Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 04:04 AM UTC

PDB ID	:	5ODD / pdb_00005odd
BMRB ID	:	25493
Title	:	HUMAN MED26 N-TERMINAL DOMAIN (1-92)
Authors	:	Lens, Z.; Cantrelle, F.-X.; Perruzini, R.; Dewitte, F.; Hanoulle, X.; Villeret, V.; Verger, A.; Landrieu, I.
Deposited on	:	2017-07-05

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

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

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

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

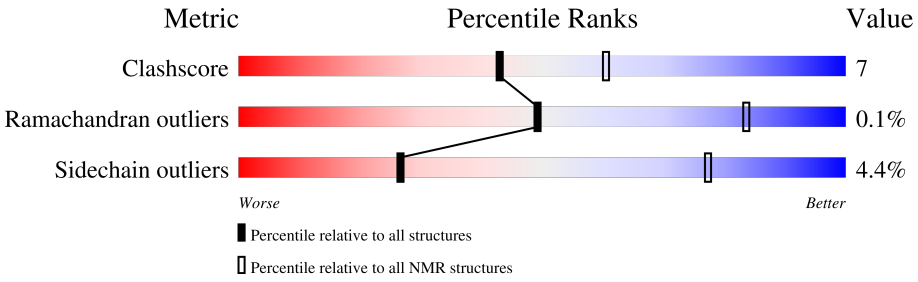
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 81%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	92	80% 7% 13%

2 Ensemble composition and analysis

This entry contains 20 models. Model 20 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:7-A:86 (80)	1.08	20

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

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

The models can be grouped into 4 clusters and 8 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1529 atoms, of which 789 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Mediator of RNA polymerase II transcription subunit 26.

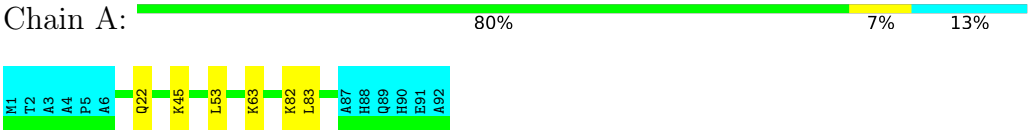
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	92	1529	463	789	138	137	2	0

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

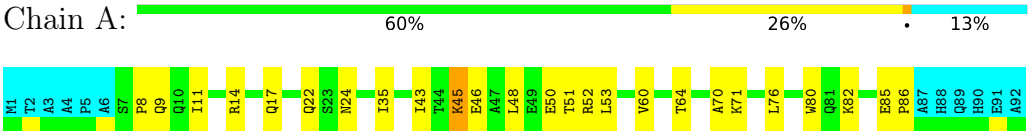


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

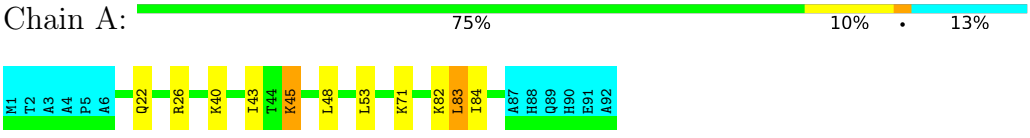
4.2.1 Score per residue for model 1

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26



4.2.2 Score per residue for model 2

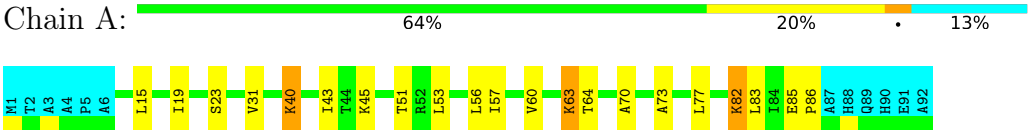
• Molecule 1: Mediator of RNA polymerase II transcription subunit 26



4.2.3 Score per residue for model 3

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

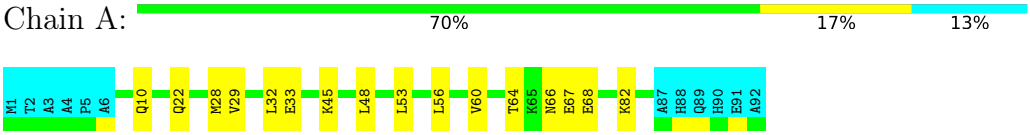
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

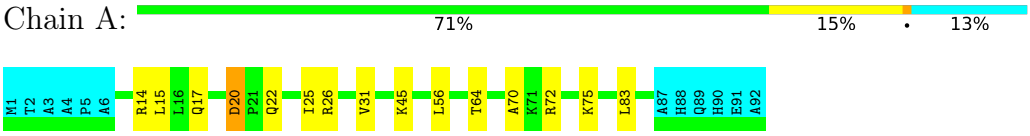
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

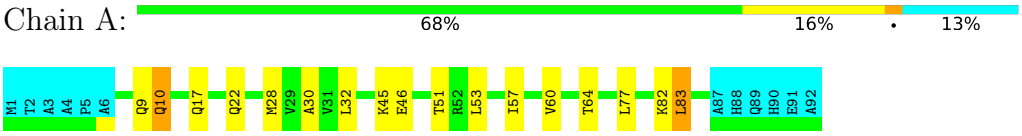
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

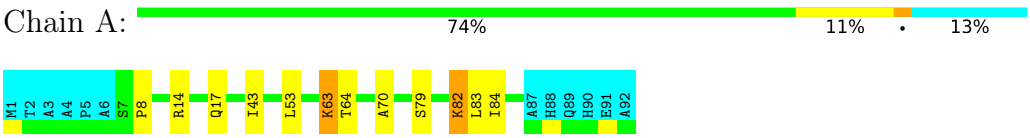
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

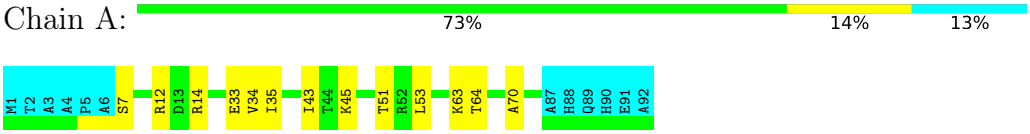
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

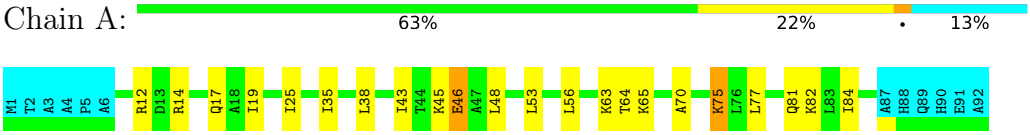
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

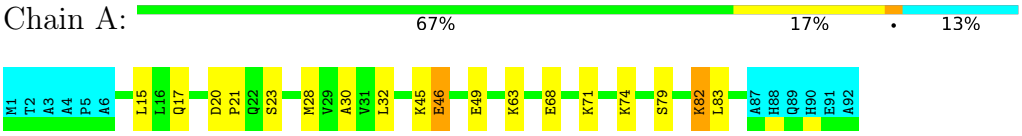
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

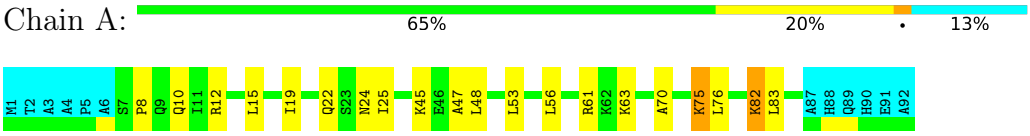
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

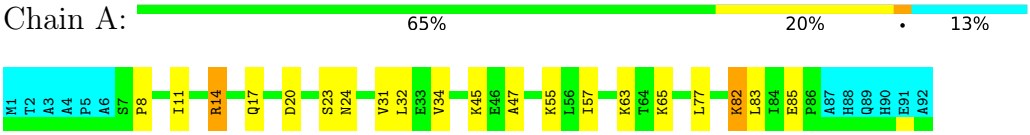
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

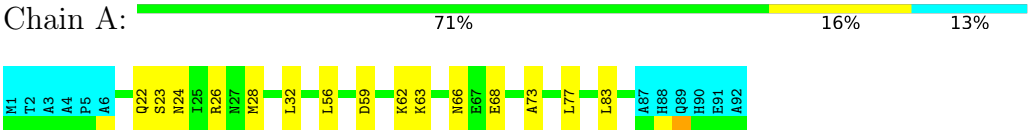
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

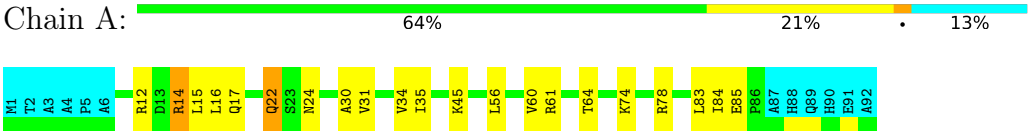
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

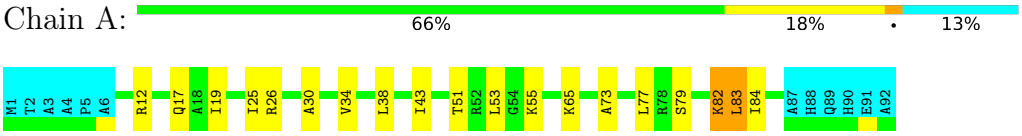
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

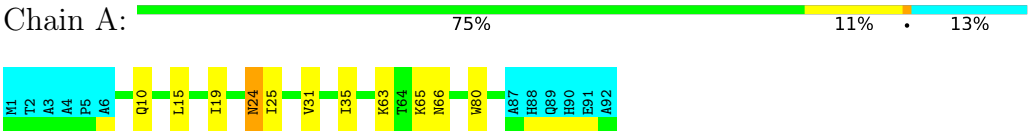
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

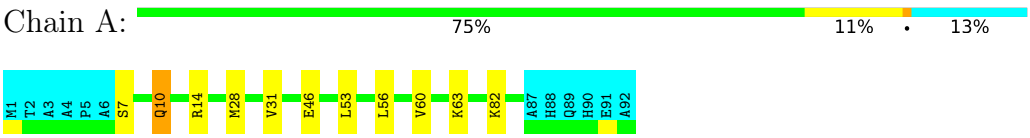
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

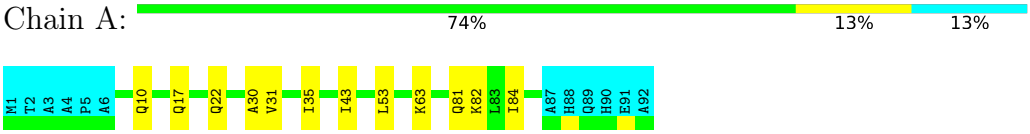
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

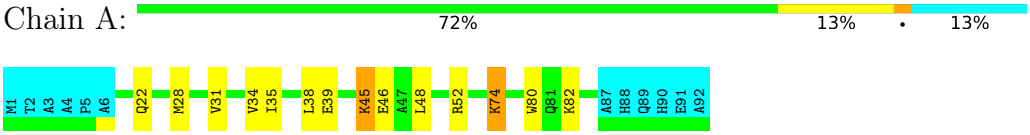
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

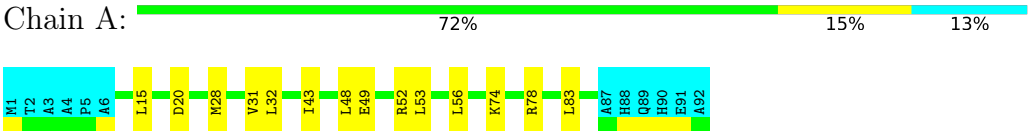
Chain A:



4.2.20 Score per residue for model 20 (medoid)

• Molecule 1: Mediator of RNA polymerase II transcription subunit 26

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 80 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	structure calculation	
CNS	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1066
Number of shifts mapped to atoms	1066
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	81%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	654	709	709	9±3
All	All	13080	14180	14180	181

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 7.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:64:THR:HG21	1:A:70:ALA:HB2	0.62	1.70	5	6
1:A:43:ILE:HD11	1:A:56:LEU:HD13	0.61	1.73	3	1
1:A:45:LYS:HD2	1:A:46:GLU:H	0.59	1.57	9	1
1:A:45:LYS:HD2	1:A:45:LYS:H	0.59	1.58	5	2
1:A:48:LEU:HD12	1:A:53:LEU:HB2	0.58	1.75	1	2
1:A:48:LEU:HD21	1:A:80:TRP:HB3	0.58	1.75	19	1
1:A:43:ILE:HD13	1:A:53:LEU:HD13	0.58	1.76	18	3
1:A:45:LYS:HD2	1:A:46:GLU:N	0.58	2.14	9	2
1:A:15:LEU:HD22	1:A:56:LEU:HD12	0.56	1.76	20	3
1:A:7:SER:O	1:A:10:GLN:HG2	0.55	2.02	17	1
1:A:61:ARG:HG3	1:A:70:ALA:HB1	0.55	1.76	11	1
1:A:19:ILE:HG22	1:A:25:ILE:HA	0.54	1.78	11	3
1:A:65:LYS:HG3	1:A:66:ASN:H	0.54	1.62	16	1
1:A:63:LYS:HE2	1:A:63:LYS:HA	0.54	1.80	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:82:LYS:HA	1:A:85:GLU:O	0.53	2.03	12	2
1:A:12:ARG:HA	1:A:15:LEU:HD12	0.53	1.81	11	1
1:A:60:VAL:O	1:A:64:THR:HB	0.52	2.03	14	5
1:A:68:GLU:HA	1:A:71:LYS:HD3	0.52	1.81	10	1
1:A:85:GLU:HB2	1:A:86:PRO:HD2	0.52	1.82	3	1
1:A:51:THR:HB	1:A:53:LEU:HD21	0.52	1.81	1	1
1:A:8:PRO:HA	1:A:11:ILE:HD13	0.52	1.81	12	2
1:A:17:GLN:HE22	1:A:30:ALA:HB1	0.51	1.65	6	5
1:A:45:LYS:HE3	1:A:45:LYS:N	0.51	2.20	1	1
1:A:45:LYS:HD3	1:A:45:LYS:H	0.51	1.64	3	1
1:A:49:GLU:HG3	1:A:83:LEU:HD21	0.50	1.83	10	1
1:A:48:LEU:HA	1:A:53:LEU:HB2	0.50	1.82	2	3
1:A:57:ILE:HG12	1:A:77:LEU:HD12	0.50	1.83	6	1
1:A:8:PRO:HG3	1:A:47:ALA:HB1	0.50	1.83	11	1
1:A:51:THR:HB	1:A:53:LEU:CD2	0.50	2.37	1	1
1:A:23:SER:HB3	1:A:63:LYS:NZ	0.50	2.22	10	1
1:A:15:LEU:HD13	1:A:56:LEU:HD21	0.49	1.82	11	1
1:A:10:GLN:HE21	1:A:10:GLN:N	0.49	2.05	6	1
1:A:22:GLN:HB3	1:A:24:ASN:ND2	0.49	2.23	11	3
1:A:73:ALA:O	1:A:77:LEU:HD13	0.49	2.07	13	3
1:A:75:LYS:HD2	1:A:76:LEU:N	0.48	2.23	11	1
1:A:10:GLN:NE2	1:A:10:GLN:H	0.48	2.06	4	4
1:A:45:LYS:HB3	1:A:83:LEU:HB2	0.48	1.84	12	1
1:A:14:ARG:O	1:A:17:GLN:HG3	0.48	2.08	5	3
1:A:14:ARG:NH1	1:A:33:GLU:HB3	0.48	2.24	8	1
1:A:43:ILE:HD13	1:A:53:LEU:HB3	0.48	1.83	9	1
1:A:75:LYS:HB3	1:A:75:LYS:NZ	0.48	2.24	9	1
1:A:71:LYS:N	1:A:71:LYS:HD2	0.48	2.23	2	2
1:A:34:VAL:HG13	1:A:35:ILE:HD12	0.48	1.83	8	2
1:A:24:ASN:HD22	1:A:24:ASN:N	0.48	2.07	16	1
1:A:45:LYS:HB3	1:A:82:LYS:HE3	0.48	1.84	10	1
1:A:45:LYS:N	1:A:45:LYS:HD2	0.48	2.23	12	1
1:A:83:LEU:HD12	1:A:84:ILE:N	0.48	2.24	14	4
1:A:74:LYS:NZ	1:A:74:LYS:HB2	0.47	2.24	19	1
1:A:74:LYS:HG2	1:A:78:ARG:HH12	0.47	1.70	14	1
1:A:26:ARG:HA	1:A:26:ARG:HE	0.47	1.68	15	1
1:A:84:ILE:N	1:A:84:ILE:HD12	0.47	2.25	9	1
1:A:51:THR:OG1	1:A:53:LEU:HD23	0.47	2.09	15	2
1:A:49:GLU:HG2	1:A:83:LEU:HD21	0.47	1.84	20	1
1:A:43:ILE:HD13	1:A:53:LEU:HG	0.47	1.87	1	2
1:A:77:LEU:O	1:A:81:GLN:HG2	0.47	2.09	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:23:SER:O	1:A:63:LYS:NZ	0.46	2.48	10	1
1:A:74:LYS:O	1:A:78:ARG:HG3	0.46	2.11	20	1
1:A:8:PRO:HB3	1:A:43:ILE:HG23	0.46	1.86	7	1
1:A:81:GLN:O	1:A:84:ILE:HG12	0.46	2.11	18	1
1:A:43:ILE:HG21	1:A:53:LEU:HG	0.46	1.88	20	2
1:A:22:GLN:HE21	1:A:22:GLN:HA	0.46	1.70	14	1
1:A:31:VAL:O	1:A:35:ILE:HD13	0.45	2.10	16	3
1:A:80:TRP:CD1	1:A:80:TRP:N	0.45	2.84	16	1
1:A:66:ASN:OD1	1:A:68:GLU:HB2	0.45	2.12	4	1
1:A:34:VAL:O	1:A:38:LEU:HD13	0.45	2.12	19	2
1:A:38:LEU:HD21	1:A:56:LEU:HD11	0.45	1.88	9	1
1:A:57:ILE:HG23	1:A:77:LEU:HD21	0.45	1.89	3	1
1:A:83:LEU:HD12	1:A:84:ILE:H	0.45	1.72	2	1
1:A:51:THR:HB	1:A:53:LEU:HG	0.45	1.88	3	1
1:A:28:MET:O	1:A:31:VAL:HG12	0.45	2.12	17	1
1:A:24:ASN:N	1:A:24:ASN:ND2	0.45	2.65	16	1
1:A:9:GLN:HG3	1:A:10:GLN:NE2	0.44	2.27	6	1
1:A:14:ARG:O	1:A:17:GLN:HG2	0.44	2.13	9	2
1:A:25:ILE:HG23	1:A:31:VAL:HG21	0.44	1.88	5	1
1:A:35:ILE:O	1:A:39:GLU:HG3	0.44	2.13	19	1
1:A:45:LYS:O	1:A:83:LEU:HD22	0.44	2.13	5	1
1:A:19:ILE:HD12	1:A:23:SER:HA	0.44	1.89	3	1
1:A:63:LYS:HE3	1:A:63:LYS:N	0.44	2.28	7	1
1:A:46:GLU:CD	1:A:46:GLU:H	0.44	2.21	10	1
1:A:23:SER:O	1:A:63:LYS:HE2	0.44	2.13	13	1
1:A:45:LYS:HB3	1:A:83:LEU:HB3	0.44	1.88	11	1
1:A:48:LEU:HD22	1:A:80:TRP:HB3	0.43	1.90	1	1
1:A:43:ILE:N	1:A:43:ILE:HD12	0.43	2.28	15	1
1:A:40:LYS:NZ	1:A:40:LYS:HB3	0.43	2.29	3	1
1:A:20:ASP:HB2	1:A:21:PRO:HD2	0.43	1.89	10	1
1:A:12:ARG:O	1:A:16:LEU:HD13	0.43	2.14	14	1
1:A:28:MET:O	1:A:31:VAL:HG22	0.43	2.12	20	2
1:A:50:GLU:O	1:A:52:ARG:NH1	0.43	2.50	1	1
1:A:24:ASN:ND2	1:A:24:ASN:H	0.43	2.11	16	1
1:A:9:GLN:HG3	1:A:51:THR:OG1	0.43	2.14	1	1
1:A:57:ILE:HG23	1:A:77:LEU:HD23	0.43	1.89	12	1
1:A:12:ARG:HB2	1:A:53:LEU:HD21	0.43	1.91	9	2
1:A:22:GLN:HB2	1:A:24:ASN:ND2	0.43	2.29	14	1
1:A:45:LYS:HB2	1:A:83:LEU:HB2	0.42	1.89	3	1
1:A:28:MET:O	1:A:32:LEU:HG	0.42	2.14	20	5
1:A:48:LEU:O	1:A:52:ARG:HA	0.42	2.14	20	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:14:ARG:HD3	1:A:17:GLN:NE2	0.42	2.29	14	1
1:A:26:ARG:HA	1:A:26:ARG:NE	0.42	2.30	15	1
1:A:79:SER:O	1:A:82:LYS:HD2	0.42	2.14	7	3
1:A:20:ASP:HB2	1:A:24:ASN:OD1	0.42	2.14	12	1
1:A:35:ILE:HD12	1:A:35:ILE:N	0.42	2.30	1	1
1:A:45:LYS:HB2	1:A:83:LEU:HD23	0.42	1.92	2	1
1:A:12:ARG:NH1	1:A:51:THR:O	0.42	2.52	8	1
1:A:56:LEU:O	1:A:60:VAL:HG12	0.41	2.15	4	2
1:A:56:LEU:HD23	1:A:56:LEU:C	0.41	2.41	5	1
1:A:9:GLN:HA	1:A:51:THR:HG21	0.41	1.92	1	1
1:A:66:ASN:HD21	1:A:68:GLU:HB2	0.41	1.76	13	1
1:A:20:ASP:OD2	1:A:26:ARG:HD2	0.41	2.15	5	1
1:A:56:LEU:HA	1:A:59:ASP:HB3	0.41	1.91	13	1
1:A:22:GLN:HG2	1:A:22:GLN:O	0.41	2.15	11	1
1:A:32:LEU:HD21	1:A:65:LYS:HB2	0.41	1.92	12	1
1:A:53:LEU:HA	1:A:56:LEU:HD23	0.41	1.92	17	1
1:A:29:VAL:O	1:A:33:GLU:HG3	0.41	2.15	4	1
1:A:31:VAL:HG11	1:A:63:LYS:O	0.40	2.16	3	1
1:A:76:LEU:HD12	1:A:76:LEU:N	0.40	2.31	1	1
1:A:82:LYS:HD3	1:A:82:LYS:C	0.40	2.41	3	1
1:A:45:LYS:HG3	1:A:83:LEU:HB3	0.40	1.92	6	1
1:A:35:ILE:HG21	1:A:65:LYS:HE3	0.40	1.92	9	1
1:A:19:ILE:HG22	1:A:25:ILE:HD13	0.40	1.92	15	1
1:A:8:PRO:HG2	1:A:47:ALA:HB3	0.40	1.94	12	1
1:A:23:SER:OG	1:A:55:LYS:NZ	0.40	2.55	12	1
1:A:31:VAL:O	1:A:34:VAL:HG22	0.40	2.16	12	1
1:A:72:ARG:O	1:A:75:LYS:HE3	0.40	2.16	5	1
1:A:24:ASN:HD22	1:A:24:ASN:H	0.40	1.60	16	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the backbone conformation was analysed and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	80/92 (87%)	78±1 (98±1%)	2±1 (2±1%)	0±0 (0±0%)	49	83

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
All	All	1600/1840 (87%)	1569 (98%)	30 (2%)	1 (0%)	49 83

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	A	86	PRO	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	74/81 (91%)	71±1 (96±2%)	3±1 (4±2%)	27 77
All	All	1480/1620 (91%)	1415 (96%)	65 (4%)	27 77

All 21 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	82	LYS	11
1	A	63	LYS	8
1	A	22	GLN	7
1	A	45	LYS	6
1	A	46	GLU	5
1	A	83	LEU	4
1	A	15	LEU	3
1	A	26	ARG	2
1	A	40	LYS	2
1	A	20	ASP	2
1	A	10	GLN	2
1	A	75	LYS	2
1	A	74	LYS	2
1	A	14	ARG	2
1	A	67	GLU	1
1	A	62	LYS	1
1	A	61	ARG	1
1	A	85	GLU	1
1	A	55	LYS	1

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Mol	Chain	Res	Type	Models (Total)
1	A	65	LYS	1
1	A	24	ASN	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 81% for the well-defined parts and 80% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1066
Number of shifts mapped to atoms	1066
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	91	-0.41 ± 0.12	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	90	0.28 ± 0.14	None needed (< 0.5 ppm)
$^{13}C'$	87	-0.26 ± 0.09	None needed (< 0.5 ppm)
^{15}N	85	0.21 ± 0.24	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 81%, i.e. 969 atoms were assigned a chemical shift out of a possible 1195. 0 out of 15 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	390/393 (99%)	157/157 (100%)	157/160 (98%)	76/76 (100%)
Sidechain	561/781 (72%)	351/503 (70%)	201/238 (84%)	9/40 (22%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	18/21 (86%)	10/10 (100%)	7/10 (70%)	1/1 (100%)
Overall	969/1195 (81%)	518/670 (77%)	365/408 (89%)	86/117 (74%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 80%, i.e. 1066 atoms were assigned a chemical shift out of a possible 1337. 0 out of 15 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	439/451 (97%)	176/180 (98%)	178/184 (97%)	85/87 (98%)
Sidechain	607/849 (71%)	382/549 (70%)	216/259 (83%)	9/41 (22%)
Aromatic	20/37 (54%)	11/18 (61%)	8/14 (57%)	1/5 (20%)
Overall	1066/1337 (80%)	569/747 (76%)	402/457 (88%)	95/133 (71%)

7.1.4 Statistically unusual chemical shifts (i)

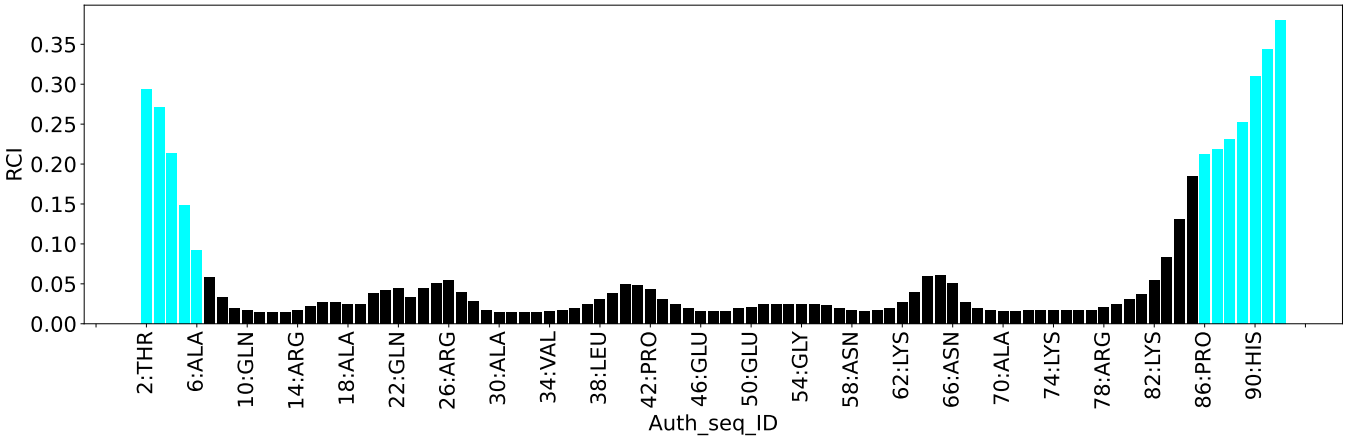
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	80	TRP	CZ2	123.10	107.20 – 121.33	6.2

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
2:THR
6:ALA
10:GLN
14:ARG
18:ALA
22:GLN
26:ARG
30:ALA
34:VAL
38:LEU
42:PRO
46:GLU
50:GLU
54:GLY
58:ASN
62:LYS
66:ASN
70:ALA
74:LYS
78:ARG
82:LYS
86:PRO
90:HIS
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1601
Intra-residue (|i-j|=0)	313
Sequential (|i-j|=1)	428
Medium range (|i-j|>1 and |i-j|<5)	490
Long range (|i-j|≥5)	296
Inter-chain	0
Hydrogen bond restraints	74
Disulfide bond restraints	0
Total dihedral-angle restraints	168
Number of unmapped restraints	0
Number of restraints per residue	19.2
Number of long range restraints per residue[1]	3.2

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	45.4	0.2
0.2-0.5 (Medium)	103.2	0.5
>0.5 (Large)	168.7	2.03

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	19.1	6.61
10.0-20.0 (Medium)	None	None
>20.0 (Large)	0.1	38.6

9 Distance violation analysis (i)

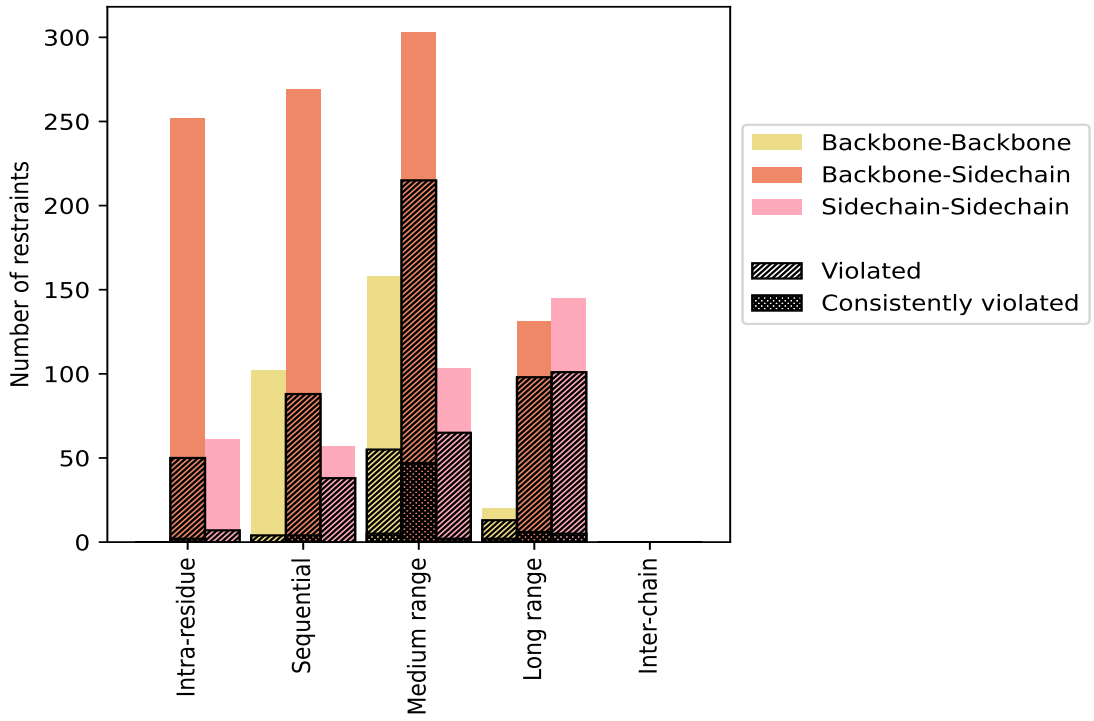
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	313	19.6	57	18.2	3.6	2	0.6	0.1
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	252	15.7	50	19.8	3.1	2	0.8	0.1
Sidechain-Sidechain	61	3.8	7	11.5	0.4	0	0.0	0.0
Sequential (|i-j|=1)	428	26.7	130	30.4	8.1	4	0.9	0.2
Backbone-Backbone	102	6.4	4	3.9	0.2	0	0.0	0.0
Backbone-Sidechain	269	16.8	88	32.7	5.5	4	1.5	0.2
Sidechain-Sidechain	57	3.6	38	66.7	2.4	0	0.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	490	30.6	263	53.7	16.4	16	3.3	1.0
Backbone-Backbone	158	9.9	55	34.8	3.4	5	3.2	0.3
Backbone-Sidechain	229	14.3	143	62.4	8.9	9	3.9	0.6
Sidechain-Sidechain	103	6.4	65	63.1	4.1	2	1.9	0.1
Long range (|i-j|≥5)	296	18.5	212	71.6	13.2	13	4.4	0.8
Backbone-Backbone	20	1.2	13	65.0	0.8	2	10.0	0.1
Backbone-Sidechain	131	8.2	98	74.8	6.1	6	4.6	0.4
Sidechain-Sidechain	145	9.1	101	69.7	6.3	5	3.4	0.3
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	74	4.6	72	97.3	4.5	38	51.4	2.4
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1601	100.0	734	45.8	45.8	73	4.6	4.6
Backbone-Backbone	280	17.5	72	25.7	4.5	7	2.5	0.4
Backbone-Sidechain	955	59.7	451	47.2	28.2	59	6.2	3.7
Sidechain-Sidechain	366	22.9	211	57.7	13.2	7	1.9	0.4

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	21	60	158	88	0	327	0.71	1.98	0.51	0.57
2	22	60	161	90	0	333	0.67	1.94	0.49	0.53
3	22	56	172	93	0	343	0.64	1.94	0.47	0.5
4	19	54	155	91	0	319	0.67	1.98	0.47	0.51
5	23	55	160	82	0	320	0.67	2.03	0.48	0.54
6	25	49	154	78	0	306	0.65	1.97	0.47	0.52
7	18	60	156	84	0	318	0.69	1.92	0.49	0.57
8	18	61	165	92	0	336	0.66	1.97	0.48	0.54
9	18	63	145	82	0	308	0.66	2.01	0.47	0.54
10	16	52	165	83	0	316	0.67	1.94	0.48	0.52

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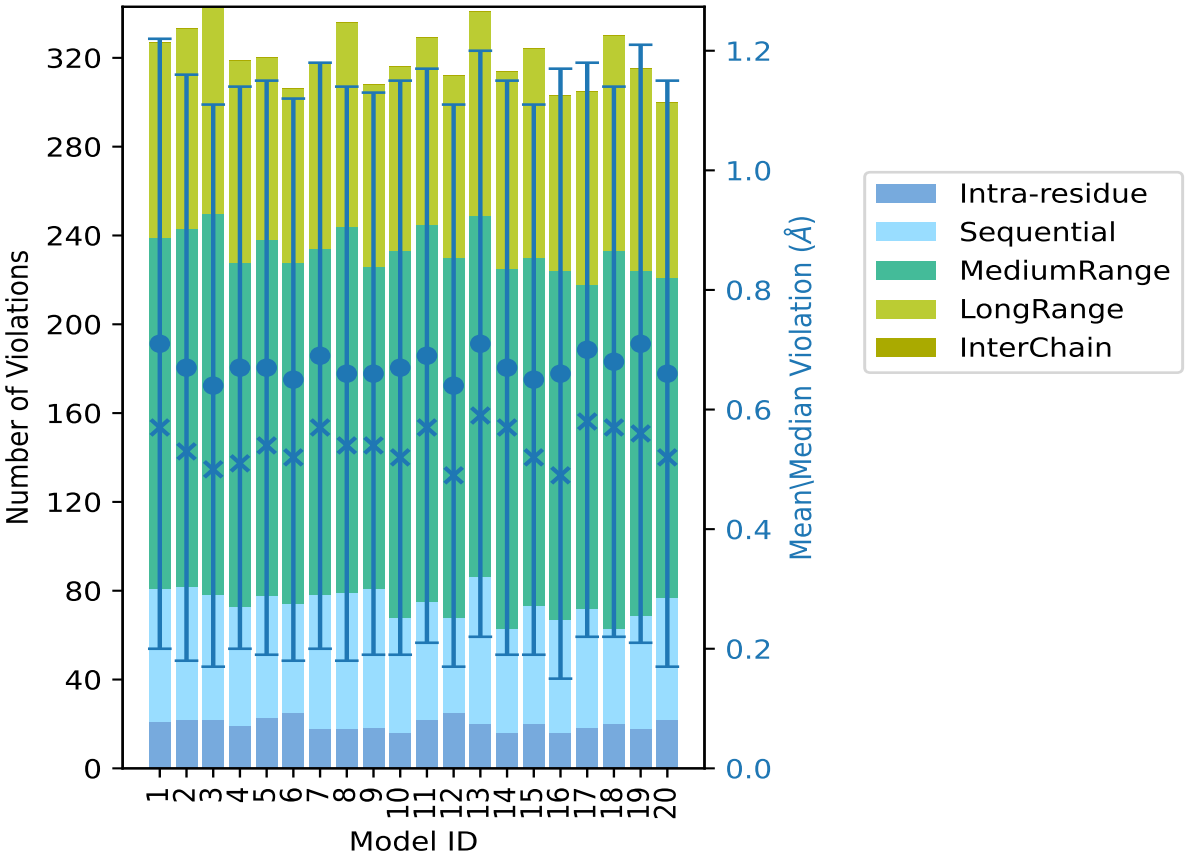
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	22	53	170	84	0	329	0.69	1.88	0.48	0.57
12	25	43	162	82	0	312	0.64	1.94	0.47	0.49
13	20	66	163	92	0	341	0.71	1.89	0.49	0.59
14	16	47	162	89	0	314	0.67	1.97	0.48	0.57
15	20	53	157	94	0	324	0.65	1.9	0.46	0.52
16	16	51	157	79	0	303	0.66	1.95	0.51	0.49
17	18	54	146	87	0	305	0.7	1.9	0.48	0.58
18	20	43	170	97	0	330	0.68	1.91	0.46	0.57
19	18	51	155	91	0	315	0.71	1.92	0.5	0.56
20	22	55	144	79	0	300	0.66	1.91	0.49	0.52

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

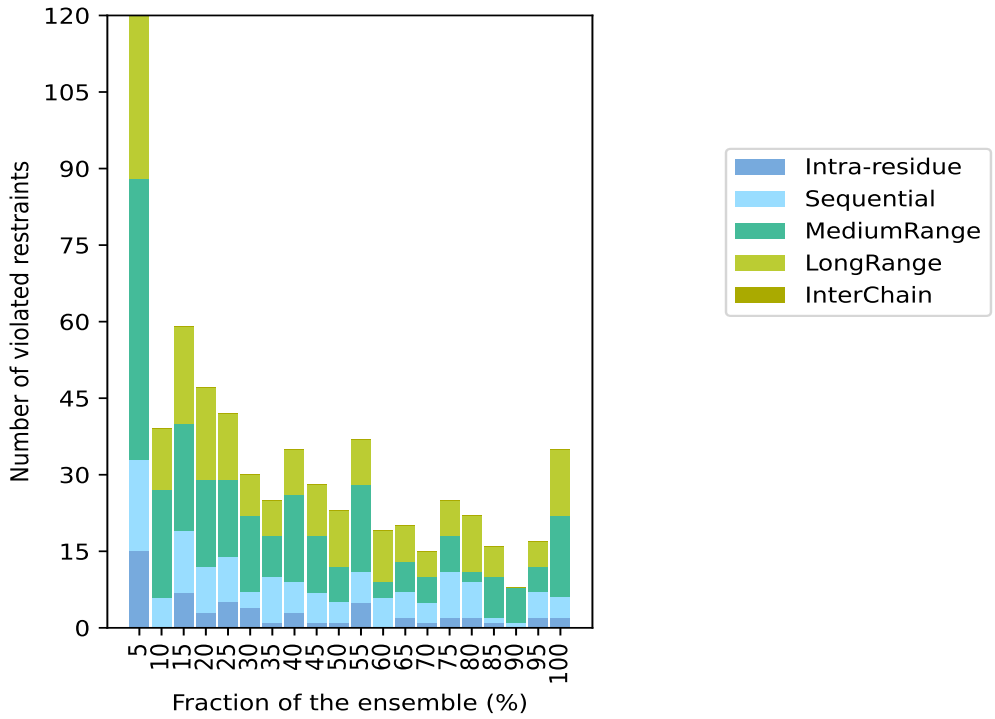
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 865(IR:256, SQ:298, MR:227, LR:84, 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]	%
15	18	55	32	0	120	1	5.0
0	6	21	12	0	39	2	10.0
7	12	21	19	0	59	3	15.0
3	9	17	18	0	47	4	20.0
5	9	15	13	0	42	5	25.0
4	3	15	8	0	30	6	30.0
1	9	8	7	0	25	7	35.0
3	6	17	9	0	35	8	40.0
1	6	11	10	0	28	9	45.0
1	4	7	11	0	23	10	50.0
5	6	17	9	0	37	11	55.0
0	6	3	10	0	19	12	60.0
2	5	6	7	0	20	13	65.0
1	4	5	5	0	15	14	70.0
2	9	7	7	0	25	15	75.0
2	7	2	11	0	22	16	80.0
1	1	8	6	0	16	17	85.0
0	1	7	0	0	8	18	90.0
2	5	5	5	0	17	19	95.0
2	4	16	13	0	35	20	100.0

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

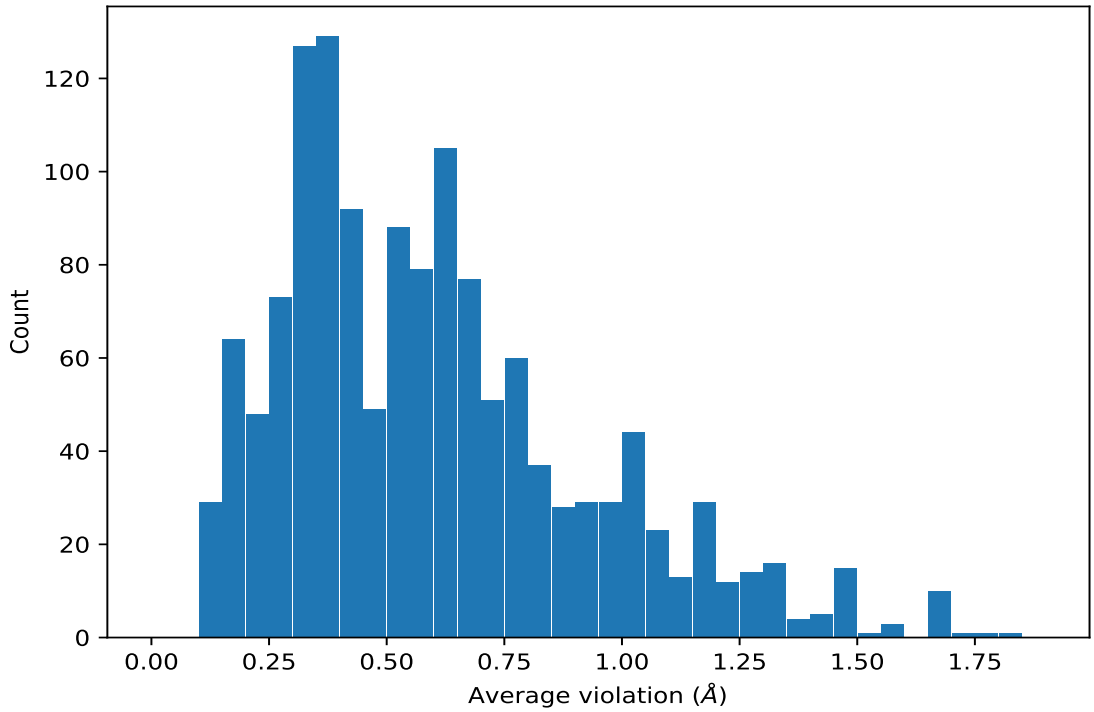
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	20	1.82	0.07	1.84
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	20	1.76	0.11	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	20	1.68	0.28	1.82
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	20	1.68	0.28	1.82
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	20	1.67	0.22	1.8
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	20	1.51	0.16	1.5
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	20	1.49	0.4	1.65
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	20	1.46	0.39	1.54
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	20	1.45	0.4	1.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	20	1.42	0.24	1.42
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	20	1.4	0.3	1.42
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	20	1.38	0.33	1.44
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	20	1.37	0.47	1.49
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	20	1.35	0.34	1.32
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	20	1.35	0.51	1.34
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	20	1.32	0.53	1.54
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	20	1.3	0.32	1.38
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	20	1.3	0.75	1.73
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	20	1.3	0.75	1.73
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	20	1.3	0.75	1.73
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	20	1.23	0.37	1.24
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	20	1.23	0.37	1.24
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	20	1.23	0.37	1.24
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	20	1.17	0.04	1.17
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	20	1.16	0.38	1.26
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	20	1.16	0.38	1.26
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	20	1.13	0.34	1.08
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	20	1.09	0.19	1.15
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	20	1.08	0.46	1.06
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	20	1.08	0.46	1.06
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	20	1.08	0.46	1.06
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	20	1.08	0.16	1.1
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	20	1.08	0.35	1.14
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	20	1.03	0.2	0.99
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	20	1.01	0.4	1.17
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	20	0.97	0.27	1.02
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	20	0.93	0.29	0.97
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	20	0.92	0.36	0.86
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	20	0.89	0.47	0.87
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	20	0.87	0.16	0.86
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	20	0.85	0.18	0.82
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	20	0.83	0.17	0.82
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	20	0.82	0.36	0.82
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	20	0.82	0.21	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	20	0.81	0.18	0.85
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	20	0.78	0.4	0.72
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	20	0.78	0.24	0.78
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	20	0.77	0.41	0.76
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	20	0.76	0.15	0.77
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	20	0.74	0.2	0.76
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	20	0.72	0.2	0.74
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	20	0.71	0.21	0.76
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	20	0.71	0.2	0.7
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	20	0.7	0.29	0.74
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	20	0.68	0.17	0.68
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	20	0.67	0.2	0.77
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	20	0.67	0.09	0.67
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	20	0.66	0.09	0.68
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	20	0.65	0.27	0.76
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	20	0.63	0.24	0.64
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	20	0.62	0.1	0.61
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	20	0.62	0.25	0.67
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	20	0.61	0.2	0.6
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	20	0.61	0.23	0.57
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	20	0.59	0.25	0.55
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	20	0.59	0.21	0.54
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	20	0.58	0.16	0.57
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	20	0.54	0.09	0.52
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	20	0.54	0.17	0.55
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	20	0.49	0.2	0.53
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	20	0.48	0.18	0.47
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	20	0.48	0.16	0.45
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	20	0.48	0.13	0.5
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	20	0.46	0.22	0.42
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	20	0.45	0.2	0.44
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	20	0.39	0.14	0.36
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	20	0.36	0.12	0.34
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	20	0.35	0.15	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	20	0.35	0.03	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	20	0.35	0.03	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	20	0.35	0.03	0.35
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	20	0.31	0.08	0.32
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	20	0.25	0.09	0.22
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	19	1.46	0.45	1.66
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	19	1.46	0.45	1.66
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	19	1.34	0.43	1.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	19	1.34	0.43	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	19	1.34	0.43	1.51
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	19	1.28	0.31	1.33
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	19	1.16	0.52	1.09
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	19	1.16	0.52	1.09
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	19	1.16	0.52	1.09
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	19	1.15	0.47	1.12
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	19	1.15	0.34	1.27
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	19	0.91	0.41	0.96
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	19	0.91	0.41	0.96
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	19	0.91	0.41	0.96
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	19	0.9	0.31	0.86
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	19	0.82	0.15	0.76
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	19	0.78	0.44	0.86
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	19	0.78	0.44	0.86
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	19	0.78	0.44	0.86
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	19	0.76	0.39	0.73
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	19	0.75	0.32	0.7
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	19	0.52	0.2	0.54
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	19	0.44	0.21	0.43
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	19	0.41	0.15	0.41
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	19	0.4	0.18	0.37
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	19	0.38	0.09	0.4
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	19	0.35	0.18	0.29
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	19	0.27	0.07	0.26
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	19	0.25	0.09	0.23
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	19	0.22	0.06	0.2
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	19	0.21	0.04	0.21
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	19	0.19	0.01	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	19	0.19	0.01	0.19
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	18	1.01	0.42	0.92
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	18	0.84	0.33	0.93
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	18	0.57	0.2	0.55
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	18	0.57	0.2	0.55
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	18	0.57	0.2	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	18	0.53	0.14	0.5
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	18	0.45	0.18	0.4
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	18	0.41	0.16	0.44
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	18	0.4	0.23	0.3
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	18	0.37	0.17	0.39
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	18	0.36	0.25	0.29
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	18	0.36	0.25	0.29
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	18	0.36	0.25	0.29
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	18	0.36	0.25	0.29
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	18	0.34	0.16	0.36
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	17	1.59	0.56	1.84
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	17	1.59	0.56	1.84
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	17	1.59	0.56	1.84
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	17	1.47	0.28	1.57
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	17	1.47	0.28	1.57
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	17	1.47	0.28	1.57
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	17	1.45	0.15	1.39
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	17	1.41	0.5	1.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	17	1.41	0.5	1.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	17	1.41	0.5	1.59
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	17	1.16	0.62	1.44
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	17	1.16	0.48	1.18
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	17	1.1	0.56	1.24
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	17	1.03	0.39	1.08
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	17	1.03	0.39	1.08
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	17	1.03	0.39	1.08
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	17	0.97	0.4	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	17	0.97	0.4	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	17	0.97	0.4	1.02
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	17	0.94	0.58	0.85
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	17	0.94	0.58	0.85
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	17	0.76	0.5	0.54
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	17	0.76	0.5	0.54
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	17	0.74	0.19	0.71
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	17	0.58	0.36	0.53
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	17	0.58	0.26	0.55
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	17	0.55	0.05	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	17	0.55	0.05	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	17	0.55	0.05	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	17	0.55	0.05	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	17	0.55	0.05	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	17	0.55	0.05	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	17	0.46	0.22	0.36
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	17	0.43	0.24	0.4
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	17	0.43	0.22	0.44
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	17	0.43	0.22	0.44
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	17	0.43	0.22	0.44
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	17	0.4	0.08	0.43
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	17	0.36	0.15	0.34
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	17	0.28	0.13	0.27
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	16	1.49	0.44	1.62
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	16	1.49	0.44	1.62
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	16	1.49	0.44	1.62
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	16	1.32	0.46	1.34
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	16	1.26	0.55	1.41
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	16	1.26	0.55	1.41
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	16	1.26	0.55	1.41
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	16	1.2	0.55	1.39
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	16	1.1	0.07	1.08
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	16	1.08	0.44	1.19
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	16	1.06	0.48	1.32
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	16	1.06	0.48	1.32
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	16	1.06	0.48	1.32
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	16	1.06	0.43	1.06
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	16	1.02	0.49	0.94
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	16	1.02	0.49	0.94
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	16	1.02	0.49	0.94
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	16	1.02	0.49	0.94
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	16	1.02	0.49	0.94
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	16	1.02	0.49	0.94
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	16	0.99	0.47	0.81
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	16	0.97	0.51	1.04
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	16	0.83	0.17	0.87
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	16	0.83	0.17	0.87
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	16	0.82	0.43	0.78
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	16	0.82	0.43	0.78
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	16	0.82	0.43	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	16	0.73	0.38	0.84
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	16	0.72	0.18	0.75
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	16	0.72	0.18	0.75
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	16	0.72	0.18	0.75
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	16	0.72	0.18	0.75
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	16	0.72	0.18	0.75
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	16	0.72	0.18	0.75
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	16	0.69	0.21	0.67
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	16	0.69	0.21	0.67
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	16	0.69	0.21	0.67
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	16	0.62	0.13	0.64
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	16	0.58	0.3	0.52
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	16	0.58	0.3	0.52
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	16	0.58	0.3	0.52
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	16	0.5	0.09	0.5
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	16	0.43	0.01	0.43
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	16	0.4	0.11	0.4
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	16	0.39	0.22	0.35
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	16	0.37	0.16	0.34
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	16	0.36	0.16	0.34
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	16	0.29	0.1	0.33
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	16	0.26	0.09	0.26
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	15	1.49	0.04	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	15	1.49	0.04	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	15	1.49	0.04	1.49
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	15	1.28	0.46	1.29
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	15	1.27	0.14	1.26
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	15	1.27	0.14	1.26
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	15	1.27	0.14	1.26
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	15	1.16	0.08	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	15	1.16	0.08	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	15	1.16	0.08	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	15	1.16	0.08	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	15	1.16	0.08	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	15	1.16	0.08	1.15
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	15	1.13	0.69	1.09
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	15	1.13	0.53	1.31
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	15	1.02	0.55	1.02
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	15	1.02	0.55	1.02
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	15	0.86	0.3	0.83
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	15	0.86	0.3	0.83
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	15	0.86	0.3	0.83

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	15	0.77	0.39	0.72
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	15	0.75	0.59	0.42
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	15	0.75	0.59	0.42
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	15	0.75	0.59	0.42
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	15	0.68	0.36	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	15	0.68	0.36	0.72
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	15	0.67	0.02	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	15	0.67	0.02	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	15	0.67	0.02	0.68
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	15	0.62	0.16	0.63
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	15	0.59	0.21	0.57
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	15	0.54	0.26	0.46
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	15	0.52	0.12	0.52
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	15	0.46	0.15	0.44
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	15	0.46	0.15	0.44
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	15	0.46	0.15	0.44
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	15	0.43	0.22	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	15	0.43	0.22	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	15	0.43	0.22	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	15	0.43	0.22	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	15	0.43	0.22	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	15	0.43	0.22	0.36
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	15	0.41	0.18	0.43
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	15	0.37	0.07	0.38
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	15	0.35	0.12	0.39
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	15	0.3	0.08	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	15	0.27	0.15	0.2
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	15	0.27	0.12	0.24
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	15	0.26	0.14	0.22
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	15	0.25	0.17	0.21
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	15	0.24	0.09	0.21
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	15	0.23	0.0	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	15	0.23	0.0	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	15	0.23	0.0	0.23
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	14	1.21	0.49	1.42
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	14	1.15	0.41	1.32
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	14	1.15	0.41	1.32
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	14	1.15	0.41	1.32
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	14	1.01	0.48	1.16
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	14	1.01	0.48	1.16
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	14	1.01	0.48	1.16
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	14	1.01	0.48	1.16
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	14	1.01	0.48	1.16
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	14	1.01	0.48	1.16
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	14	0.82	0.51	0.81
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	14	0.82	0.51	0.81
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	14	0.82	0.51	0.81
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	14	0.71	0.46	0.74
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	14	0.59	0.28	0.61
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	14	0.56	0.26	0.6
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	14	0.56	0.26	0.6
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	14	0.56	0.26	0.6
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	14	0.53	0.3	0.51
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	14	0.53	0.3	0.51
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	14	0.43	0.32	0.28
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	14	0.38	0.17	0.34
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	14	0.38	0.17	0.34
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	14	0.38	0.17	0.34
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	14	0.35	0.22	0.3
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	14	0.34	0.08	0.34
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	14	0.3	0.08	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	14	0.3	0.08	0.3
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	14	0.3	0.12	0.28
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	14	0.29	0.13	0.29
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	14	0.27	0.15	0.22
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	14	0.25	0.09	0.24
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	14	0.2	0.06	0.22
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	14	0.17	0.09	0.15
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	14	0.12	0.0	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	14	0.12	0.0	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	14	0.12	0.0	0.12
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	13	1.31	0.39	1.38
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	13	1.31	0.39	1.38
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	13	1.31	0.39	1.38
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	13	1.2	0.21	1.26
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	13	1.12	0.3	1.03
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	13	1.06	0.28	0.96
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	13	1.06	0.28	0.96
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	13	1.06	0.28	0.96
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	13	0.94	0.78	0.4
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	13	0.92	0.1	0.95
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	13	0.86	0.6	0.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	13	0.86	0.6	0.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	13	0.86	0.6	0.88
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	13	0.86	0.57	0.88
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	13	0.86	0.56	0.77
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	13	0.86	0.56	0.77
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	13	0.84	0.41	0.78
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	13	0.8	0.24	0.72
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	13	0.6	0.2	0.65
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	13	0.56	0.23	0.49
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	13	0.56	0.23	0.49
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	13	0.56	0.23	0.49
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	13	0.53	0.14	0.56
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	13	0.53	0.14	0.56
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	13	0.53	0.23	0.54
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	13	0.5	0.24	0.47
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	13	0.5	0.24	0.47
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	13	0.5	0.24	0.47
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	13	0.44	0.12	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	13	0.44	0.12	0.47
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	13	0.44	0.12	0.47
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	13	0.26	0.04	0.25
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	13	0.24	0.1	0.2
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	13	0.21	0.08	0.18
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	13	0.17	0.09	0.14
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	13	0.13	0.01	0.13
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	12	1.22	0.47	1.18
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	12	1.14	0.6	1.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	12	1.14	0.6	1.31
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	12	1.09	0.54	0.96
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	12	1.03	0.36	1.05
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	12	1.03	0.51	1.08
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	12	0.98	0.36	0.9
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	12	0.76	0.38	0.92
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	12	0.76	0.38	0.92
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	12	0.76	0.38	0.92
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	12	0.76	0.38	0.92
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	12	0.76	0.38	0.92
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	12	0.76	0.38	0.92
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	12	0.65	0.39	0.44
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	12	0.65	0.39	0.44
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	12	0.65	0.37	0.71
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	12	0.63	0.25	0.61
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	12	0.56	0.38	0.43
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	12	0.56	0.38	0.43
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	12	0.56	0.38	0.43
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	12	0.56	0.38	0.43
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	12	0.47	0.29	0.42
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	12	0.44	0.21	0.38
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	12	0.44	0.21	0.38
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	12	0.44	0.21	0.38
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	12	0.4	0.24	0.4
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	12	0.4	0.24	0.4
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	12	0.4	0.24	0.4
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	12	0.36	0.31	0.22
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	12	0.36	0.31	0.22
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	12	0.36	0.31	0.22
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	12	0.36	0.06	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	12	0.36	0.21	0.26
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	12	0.36	0.21	0.26
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	12	0.36	0.21	0.26
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	12	0.28	0.09	0.3
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	12	0.25	0.11	0.24
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	12	0.17	0.06	0.15
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	11	1.31	0.49	1.11
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	11	1.22	0.38	1.06
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	11	1.22	0.38	1.06
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	11	1.22	0.38	1.06
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	11	1.17	0.51	1.36
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	11	1.17	0.51	1.36
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	11	1.17	0.51	1.36
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	11	0.99	0.53	0.98
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	11	0.97	0.44	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	11	0.97	0.44	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	11	0.97	0.44	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	11	0.97	0.44	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	11	0.97	0.44	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	11	0.97	0.44	0.91
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	11	0.96	0.47	0.84
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	11	0.96	0.47	0.84
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	11	0.96	0.47	0.84
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	11	0.96	0.47	0.84
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	11	0.96	0.47	0.84
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	11	0.96	0.47	0.84
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	11	0.95	0.57	1.31
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	11	0.92	0.52	1.03
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	11	0.85	0.55	0.73
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	11	0.84	0.5	0.76
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	11	0.84	0.5	0.76
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	11	0.78	0.48	0.7
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	11	0.78	0.48	0.7
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	11	0.78	0.58	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	11	0.78	0.58	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	11	0.78	0.58	0.6
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	11	0.71	0.04	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	11	0.71	0.04	0.7
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	11	0.67	0.36	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	11	0.67	0.36	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	11	0.67	0.36	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	11	0.67	0.36	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	11	0.67	0.36	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	11	0.67	0.36	0.78
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	11	0.66	0.37	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	11	0.66	0.37	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	11	0.66	0.37	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	11	0.66	0.37	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	11	0.66	0.37	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	11	0.66	0.37	0.71
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	11	0.66	0.23	0.64
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	11	0.66	0.23	0.64
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	11	0.66	0.23	0.64
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	11	0.66	0.23	0.64
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	11	0.66	0.23	0.64
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	11	0.66	0.23	0.64
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	11	0.65	0.38	0.64
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	11	0.62	0.34	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	11	0.62	0.34	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	11	0.62	0.34	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	11	0.62	0.34	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	11	0.62	0.34	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	11	0.62	0.34	0.62
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	11	0.53	0.22	0.63
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	11	0.51	0.32	0.4
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	11	0.49	0.21	0.47
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	11	0.44	0.29	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	11	0.44	0.29	0.34
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	11	0.42	0.18	0.41
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	11	0.4	0.15	0.31
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	11	0.4	0.18	0.42
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	11	0.34	0.13	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	11	0.34	0.13	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	11	0.34	0.13	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	11	0.34	0.13	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	11	0.34	0.13	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	11	0.34	0.13	0.3
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	11	0.33	0.09	0.32
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	11	0.29	0.07	0.28
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	11	0.28	0.13	0.24
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	11	0.27	0.1	0.22
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	11	0.27	0.1	0.22
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	11	0.27	0.1	0.22
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	11	0.25	0.02	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	11	0.25	0.02	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	11	0.25	0.02	0.24
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	11	0.23	0.04	0.23
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	11	0.23	0.04	0.23
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	11	0.23	0.04	0.23
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	11	0.23	0.04	0.23
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	11	0.23	0.04	0.23
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	11	0.23	0.04	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	11	0.22	0.02	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	11	0.22	0.02	0.23
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	11	0.22	0.03	0.21
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	11	0.19	0.05	0.2
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	11	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	11	0.11	0.01	0.11
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	10	1.08	0.67	0.94
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	10	1.03	0.42	1.03
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	10	0.97	0.6	0.88
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	10	0.96	0.35	0.86
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	10	0.81	0.56	0.56
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	10	0.79	0.54	0.6
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	10	0.78	0.47	0.78
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	10	0.78	0.47	0.78
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	10	0.78	0.47	0.78
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	10	0.73	0.45	0.66
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	10	0.73	0.39	0.78
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	10	0.65	0.33	0.68
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	10	0.64	0.35	0.72
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	10	0.64	0.35	0.72
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	10	0.64	0.35	0.72
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	10	0.63	0.35	0.58
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	10	0.63	0.35	0.58
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	10	0.63	0.35	0.58
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	10	0.63	0.35	0.58
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	10	0.63	0.35	0.58
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	10	0.63	0.35	0.58
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	10	0.58	0.3	0.52
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	10	0.58	0.21	0.54
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	10	0.58	0.49	0.48
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	10	0.56	0.4	0.51
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	10	0.52	0.27	0.52
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	10	0.4	0.3	0.3
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	10	0.4	0.29	0.27
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	10	0.4	0.29	0.27
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	10	0.4	0.29	0.27
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	10	0.36	0.21	0.28
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	10	0.36	0.21	0.28
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	10	0.36	0.21	0.28
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	10	0.34	0.02	0.34
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	10	0.34	0.02	0.34
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	10	0.34	0.02	0.34
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	10	0.34	0.02	0.34
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	10	0.34	0.02	0.34
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	10	0.34	0.02	0.34
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	10	0.27	0.15	0.24
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	10	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	9	1.11	0.56	1.1
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	9	1.08	0.61	1.08
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	9	1.08	0.61	1.08
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	9	1.04	0.53	1.17
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	9	1.04	0.53	1.17
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	9	0.9	0.42	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	9	0.9	0.42	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	9	0.9	0.42	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	9	0.9	0.42	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	9	0.9	0.42	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	9	0.9	0.42	1.05
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	9	0.83	0.29	0.81
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	9	0.74	0.33	0.68
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	9	0.74	0.33	0.68
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	9	0.74	0.33	0.68
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	9	0.73	0.33	0.82
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	9	0.69	0.37	0.53
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	9	0.69	0.37	0.53
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	9	0.69	0.37	0.53
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	9	0.69	0.29	0.8
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	9	0.64	0.35	0.64
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	9	0.62	0.21	0.56
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	9	0.6	0.33	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	9	0.6	0.33	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	9	0.6	0.33	0.47
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	9	0.57	0.36	0.38
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	9	0.55	0.19	0.65
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	9	0.54	0.07	0.56
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	9	0.49	0.13	0.44
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	9	0.45	0.22	0.35
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	9	0.45	0.22	0.35
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	9	0.45	0.22	0.35
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	9	0.45	0.3	0.3
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	9	0.45	0.3	0.3
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	9	0.45	0.3	0.3
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	9	0.42	0.23	0.51
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	9	0.42	0.29	0.4
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	9	0.42	0.18	0.39
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	9	0.4	0.05	0.43
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	9	0.36	0.11	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	9	0.36	0.11	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	9	0.36	0.11	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	9	0.36	0.11	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	9	0.36	0.11	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	9	0.36	0.11	0.38
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	9	0.33	0.15	0.28
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	9	0.33	0.15	0.28
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	9	0.33	0.15	0.28
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	9	0.29	0.13	0.26
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	9	0.29	0.13	0.26
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	9	0.29	0.13	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	9	0.26	0.12	0.27
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	9	0.26	0.12	0.27
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	9	0.2	0.05	0.19
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	9	0.17	0.06	0.16
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	8	1.74	0.4	1.88
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	8	1.0	0.22	1.12
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	8	1.0	0.5	0.89
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	8	0.97	0.54	1.01
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	8	0.93	0.44	0.86
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	8	0.86	0.42	0.69
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	8	0.85	0.51	0.68
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	8	0.85	0.51	0.68
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	8	0.85	0.51	0.68
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	8	0.84	0.35	0.9
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	8	0.78	0.55	0.58
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	8	0.78	0.55	0.58
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	8	0.78	0.55	0.58
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	8	0.74	0.29	0.82
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	8	0.74	0.29	0.82
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	8	0.74	0.29	0.82
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	8	0.74	0.29	0.82
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	8	0.74	0.29	0.82
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	8	0.74	0.29	0.82
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	8	0.74	0.41	0.62
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	8	0.74	0.41	0.62
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	8	0.72	0.37	0.72
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	8	0.72	0.37	0.72
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	8	0.72	0.37	0.72
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	8	0.72	0.09	0.72
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	8	0.69	0.4	0.62
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	8	0.69	0.4	0.62
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	8	0.69	0.4	0.62
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	8	0.68	0.5	0.5
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	8	0.67	0.36	0.68
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	8	0.61	0.14	0.58
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	8	0.61	0.14	0.58
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	8	0.61	0.14	0.58
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	8	0.53	0.3	0.5
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	8	0.5	0.28	0.43
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	8	0.5	0.28	0.43
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	8	0.5	0.28	0.43
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	8	0.47	0.3	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	8	0.47	0.3	0.39
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	8	0.47	0.3	0.39
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	8	0.47	0.3	0.39
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	8	0.47	0.3	0.39
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	8	0.47	0.3	0.39
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	8	0.47	0.27	0.39
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	8	0.47	0.27	0.39
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	8	0.45	0.18	0.5
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	8	0.45	0.18	0.5
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	8	0.45	0.18	0.5
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	8	0.45	0.18	0.5
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	8	0.45	0.18	0.5
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	8	0.45	0.18	0.5
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	8	0.4	0.16	0.41
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	8	0.37	0.15	0.33
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	8	0.37	0.22	0.26
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	8	0.35	0.14	0.37
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	8	0.35	0.14	0.37
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	8	0.35	0.14	0.37
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	8	0.35	0.14	0.37
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	8	0.35	0.14	0.37
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	8	0.35	0.14	0.37
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	8	0.3	0.17	0.22
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	8	0.29	0.15	0.22
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	8	0.29	0.15	0.22
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	8	0.28	0.01	0.28
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	8	0.25	0.11	0.22
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	8	0.19	0.04	0.2
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	8	0.18	0.07	0.17
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	8	0.18	0.07	0.15
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	8	0.17	0.11	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	8	0.17	0.02	0.16
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	8	0.17	0.02	0.16
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	8	0.17	0.02	0.16
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	8	0.17	0.02	0.16
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	8	0.17	0.02	0.16
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	8	0.17	0.02	0.16
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	7	1.13	0.27	1.0
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	7	1.02	0.44	1.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	7	1.02	0.44	1.16
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	7	1.02	0.44	1.16
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	7	0.9	0.61	0.58
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	7	0.9	0.61	0.58
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	7	0.9	0.61	0.58
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	7	0.87	0.36	0.69
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	7	0.87	0.36	0.69
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	7	0.71	0.2	0.69
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	7	0.71	0.2	0.69
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	7	0.71	0.2	0.69
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	7	0.65	0.47	0.46
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	7	0.65	0.47	0.46
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	7	0.57	0.24	0.51
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	7	0.57	0.24	0.51
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	7	0.57	0.24	0.51
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	7	0.57	0.27	0.69
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	7	0.57	0.27	0.69
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	7	0.57	0.27	0.69
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	7	0.51	0.05	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	7	0.51	0.05	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	7	0.51	0.05	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	7	0.51	0.05	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	7	0.51	0.05	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	7	0.51	0.05	0.52
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	7	0.51	0.13	0.53
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	7	0.51	0.13	0.53
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	7	0.49	0.24	0.41
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	7	0.4	0.22	0.39
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	7	0.4	0.22	0.39
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	7	0.4	0.22	0.39
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	7	0.38	0.27	0.25
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	7	0.38	0.27	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	7	0.34	0.27	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	7	0.34	0.27	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	7	0.34	0.27	0.17
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	7	0.31	0.08	0.3
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	7	0.31	0.08	0.3
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	7	0.31	0.08	0.3
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	7	0.27	0.01	0.27
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	7	0.24	0.09	0.21
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	7	0.22	0.09	0.18
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	7	0.22	0.09	0.21
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	7	0.21	0.16	0.13
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	7	0.21	0.07	0.19
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	7	0.21	0.1	0.17
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	7	0.2	0.07	0.21
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	7	0.19	0.08	0.16
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	7	0.18	0.05	0.18
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	7	0.14	0.03	0.14
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	6	1.25	0.03	1.27
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	6	1.25	0.03	1.27
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	6	1.25	0.03	1.27
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	6	1.05	0.26	0.97
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	6	1.05	0.26	0.97
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	6	0.85	0.51	0.7
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	6	0.85	0.4	0.88
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	6	0.85	0.4	0.88
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	6	0.85	0.4	0.88
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	6	0.85	0.48	0.68
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	6	0.83	0.16	0.85
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	6	0.83	0.16	0.85
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	6	0.83	0.16	0.85
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	6	0.71	0.49	0.7
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	6	0.71	0.49	0.7
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	6	0.69	0.36	0.68
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	6	0.69	0.36	0.68
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	6	0.69	0.36	0.68
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	6	0.69	0.36	0.68
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	6	0.69	0.36	0.68
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	6	0.69	0.36	0.68
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	6	0.67	0.02	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	6	0.67	0.02	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	6	0.67	0.02	0.67
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	6	0.66	0.26	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	6	0.64	0.01	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	6	0.64	0.01	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	6	0.64	0.01	0.64
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	6	0.62	0.32	0.57
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	6	0.62	0.32	0.57
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	6	0.6	0.49	0.37
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	6	0.6	0.49	0.37
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	6	0.6	0.32	0.52
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	6	0.52	0.4	0.3
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	6	0.52	0.4	0.3
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	6	0.47	0.37	0.3
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	6	0.46	0.34	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	6	0.44	0.21	0.36
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	6	0.44	0.21	0.36
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	6	0.44	0.21	0.36
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	6	0.44	0.21	0.36
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	6	0.44	0.21	0.36
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	6	0.44	0.21	0.36
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	6	0.4	0.08	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	6	0.4	0.2	0.38
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	6	0.37	0.23	0.26
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	6	0.37	0.23	0.26
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	6	0.37	0.19	0.28
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	6	0.36	0.2	0.28
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	6	0.34	0.02	0.34
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	6	0.34	0.02	0.34
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	6	0.32	0.2	0.24
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	6	0.29	0.14	0.22
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	6	0.29	0.14	0.22
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	6	0.29	0.14	0.22
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	6	0.28	0.12	0.3
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	6	0.25	0.08	0.22
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	6	0.21	0.05	0.22
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	6	0.2	0.09	0.16
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	6	0.13	0.02	0.13
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	6	0.13	0.02	0.13
(1,658)	1:7:A:SER:H	1:10:A:GLN:HB2	5	1.01	0.23	0.94
(1,641)	1:43:A:ILE:HD11	1:53:A:LEU:H	5	0.92	0.52	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,641)	1:43:A:ILE:HD12	1:53:A:LEU:H	5	0.92	0.52	0.77
(1,641)	1:43:A:ILE:HD13	1:53:A:LEU:H	5	0.92	0.52	0.77
(1,902)	1:31:A:VAL:HA	1:34:A:VAL:HB	5	0.88	0.34	0.68
(1,1152)	1:26:A:ARG:HB2	1:27:A:ASN:HB3	5	0.86	0.54	0.54
(1,927)	1:11:A:ILE:HD11	1:37:A:SER:HB2	5	0.7	0.48	0.4
(1,927)	1:11:A:ILE:HD12	1:37:A:SER:HB2	5	0.7	0.48	0.4
(1,927)	1:11:A:ILE:HD13	1:37:A:SER:HB2	5	0.7	0.48	0.4
(1,120)	1:89:A:GLN:H	1:91:A:GLU:H	5	0.65	0.41	0.45
(1,1500)	1:56:A:LEU:HD11	1:80:A:TRP:HE3	5	0.64	0.51	0.36
(1,1500)	1:56:A:LEU:HD12	1:80:A:TRP:HE3	5	0.64	0.51	0.36
(1,1500)	1:56:A:LEU:HD13	1:80:A:TRP:HE3	5	0.64	0.51	0.36
(1,1500)	1:56:A:LEU:HD21	1:80:A:TRP:HE3	5	0.64	0.51	0.36
(1,1500)	1:56:A:LEU:HD22	1:80:A:TRP:HE3	5	0.64	0.51	0.36
(1,1500)	1:56:A:LEU:HD23	1:80:A:TRP:HE3	5	0.64	0.51	0.36
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD11	5	0.6	0.32	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD12	5	0.6	0.32	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD13	5	0.6	0.32	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD21	5	0.6	0.32	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD22	5	0.6	0.32	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD23	5	0.6	0.32	0.49
(1,1434)	1:43:A:ILE:HG21	1:48:A:LEU:HG	5	0.59	0.39	0.5
(1,1434)	1:43:A:ILE:HG22	1:48:A:LEU:HG	5	0.59	0.39	0.5
(1,1434)	1:43:A:ILE:HG23	1:48:A:LEU:HG	5	0.59	0.39	0.5
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG21	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG22	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG23	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG21	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG22	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG23	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG21	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG22	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG23	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG21	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG22	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG23	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG21	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG22	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG23	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG21	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG22	5	0.58	0.15	0.55
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG23	5	0.58	0.15	0.55
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD11	5	0.55	0.24	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD12	5	0.55	0.24	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD13	5	0.55	0.24	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD21	5	0.55	0.24	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD22	5	0.55	0.24	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD23	5	0.55	0.24	0.48
(1,1077)	1:26:A:ARG:HB2	1:27:A:ASN:HA	5	0.5	0.1	0.55
(1,1188)	1:16:A:LEU:HD11	1:17:A:GLN:HG3	5	0.48	0.17	0.55
(1,1188)	1:16:A:LEU:HD12	1:17:A:GLN:HG3	5	0.48	0.17	0.55
(1,1188)	1:16:A:LEU:HD13	1:17:A:GLN:HG3	5	0.48	0.17	0.55
(1,1188)	1:16:A:LEU:HD21	1:17:A:GLN:HG3	5	0.48	0.17	0.55
(1,1188)	1:16:A:LEU:HD22	1:17:A:GLN:HG3	5	0.48	0.17	0.55
(1,1188)	1:16:A:LEU:HD23	1:17:A:GLN:HG3	5	0.48	0.17	0.55
(1,1006)	1:77:A:LEU:HA	1:80:A:TRP:HE3	5	0.44	0.27	0.52
(1,1263)	1:45:A:LYS:HA	1:48:A:LEU:HG	5	0.43	0.29	0.41
(1,1094)	1:45:A:LYS:HA	1:83:A:LEU:HB2	5	0.43	0.16	0.5
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG11	5	0.42	0.15	0.44
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG12	5	0.42	0.15	0.44
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG13	5	0.42	0.15	0.44
(1,627)	1:37:A:SER:H	1:37:A:SER:HB2	5	0.41	0.01	0.4
(1,1027)	1:19:A:ILE:HA	1:26:A:ARG:HA	5	0.4	0.26	0.33
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG2	5	0.4	0.23	0.34
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG3	5	0.4	0.23	0.34
(1,96)	1:80:A:TRP:H	1:80:A:TRP:HE3	5	0.39	0.13	0.38
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD2	5	0.39	0.28	0.25
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD3	5	0.39	0.28	0.25
(1,926)	1:34:A:VAL:HA	1:37:A:SER:HB2	5	0.39	0.15	0.32
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD2	5	0.39	0.41	0.17
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD3	5	0.39	0.41	0.17
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG11	5	0.38	0.1	0.36
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG12	5	0.38	0.1	0.36
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG13	5	0.38	0.1	0.36
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG21	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG22	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG23	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG21	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG22	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG23	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG21	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG22	5	0.37	0.11	0.37
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG23	5	0.37	0.11	0.37
(1,635)	1:51:A:THR:HB	1:53:A:LEU:H	5	0.37	0.09	0.35
(1,1003)	1:69:A:LEU:HA	1:72:A:ARG:HB3	5	0.36	0.28	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,26)	1:43:A:ILE:HG21	1:80:A:TRP:HE1	5	0.36	0.27	0.34
(1,26)	1:43:A:ILE:HG22	1:80:A:TRP:HE1	5	0.36	0.27	0.34
(1,26)	1:43:A:ILE:HG23	1:80:A:TRP:HE1	5	0.36	0.27	0.34
(1,567)	1:27:A:ASN:HB2	1:31:A:VAL:H	5	0.36	0.09	0.31
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG2	5	0.34	0.34	0.13
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG3	5	0.34	0.34	0.13
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG2	5	0.34	0.34	0.13
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG3	5	0.34	0.34	0.13
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG2	5	0.34	0.34	0.13
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG3	5	0.34	0.34	0.13
(1,151)	1:30:A:ALA:HB1	1:34:A:VAL:H	5	0.33	0.17	0.31
(1,151)	1:30:A:ALA:HB2	1:34:A:VAL:H	5	0.33	0.17	0.31
(1,151)	1:30:A:ALA:HB3	1:34:A:VAL:H	5	0.33	0.17	0.31
(1,1249)	1:57:A:ILE:HG12	1:81:A:GLN:HE21	5	0.31	0.2	0.19
(1,1076)	1:18:A:ALA:HA	1:27:A:ASN:HA	5	0.3	0.18	0.29
(1,422)	1:34:A:VAL:HB	1:35:A:ILE:H	5	0.25	0.05	0.25
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG2	5	0.25	0.09	0.27
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG3	5	0.25	0.09	0.27
(1,299)	1:58:A:ASN:HA	1:61:A:ARG:H	5	0.2	0.07	0.17
(1,141)	1:24:A:ASN:HB3	1:25:A:ILE:H	5	0.19	0.05	0.18
(1,1256)	1:9:A:GLN:HB3	1:10:A:GLN:HA	5	0.19	0.06	0.17
(2,67)	1:76:A:LEU:O	1:79:A:SER:N	5	0.16	0.03	0.17
(1,217)	1:45:A:LYS:H	1:45:A:LYS:HB3	5	0.14	0.02	0.14
(1,279)	1:32:A:LEU:HD11	1:33:A:GLU:H	5	0.14	0.03	0.13
(1,279)	1:32:A:LEU:HD12	1:33:A:GLU:H	5	0.14	0.03	0.13
(1,279)	1:32:A:LEU:HD13	1:33:A:GLU:H	5	0.14	0.03	0.13
(1,443)	1:59:A:ASP:H	1:59:A:ASP:HB3	5	0.12	0.02	0.12
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG21	4	1.31	0.03	1.31
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG22	4	1.31	0.03	1.31
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG23	4	1.31	0.03	1.31
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG2	4	1.12	0.52	1.0
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG3	4	1.12	0.52	1.0
(1,825)	1:8:A:PRO:HA	1:44:A:THR:H	4	1.05	0.47	1.0
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD2	4	1.02	0.56	0.98
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD3	4	1.02	0.56	0.98
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD2	4	1.02	0.56	0.98
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD3	4	1.02	0.56	0.98
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB1	4	1.0	0.33	1.06
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB2	4	1.0	0.33	1.06
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB3	4	1.0	0.33	1.06
(1,532)	1:39:A:GLU:H	1:40:A:LYS:HG3	4	0.98	0.34	0.86
(1,77)	1:82:A:LYS:HD2	1:85:A:GLU:H	4	0.93	0.49	1.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,77)	1:82:A:LYS:HD3	1:85:A:GLU:H	4	0.93	0.49	1.09
(1,929)	1:11:A:ILE:HG21	1:37:A:SER:HB2	4	0.93	0.56	0.85
(1,929)	1:11:A:ILE:HG22	1:37:A:SER:HB2	4	0.93	0.56	0.85
(1,929)	1:11:A:ILE:HG23	1:37:A:SER:HB2	4	0.93	0.56	0.85
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG21	4	0.84	0.39	0.71
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG22	4	0.84	0.39	0.71
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG23	4	0.84	0.39	0.71
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG2	4	0.81	0.45	0.82
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG3	4	0.81	0.45	0.82
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG21	4	0.64	0.18	0.68
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG22	4	0.64	0.18	0.68
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG23	4	0.64	0.18	0.68
(1,1065)	1:18:A:ALA:HA	1:26:A:ARG:HB2	4	0.6	0.37	0.55
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG21	4	0.59	0.43	0.48
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG22	4	0.59	0.43	0.48
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG23	4	0.59	0.43	0.48
(1,87)	1:85:A:GLU:H	1:85:A:GLU:HB2	4	0.58	0.04	0.56
(1,488)	1:9:A:GLN:HA	1:13:A:ASP:H	4	0.57	0.11	0.6
(1,1161)	1:33:A:GLU:HG2	1:36:A:SER:HB3	4	0.52	0.31	0.53
(1,1161)	1:33:A:GLU:HG3	1:36:A:SER:HB3	4	0.52	0.31	0.53
(1,1504)	1:43:A:ILE:HG21	1:80:A:TRP:HE3	4	0.5	0.36	0.4
(1,1504)	1:43:A:ILE:HG22	1:80:A:TRP:HE3	4	0.5	0.36	0.4
(1,1504)	1:43:A:ILE:HG23	1:80:A:TRP:HE3	4	0.5	0.36	0.4
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG2	4	0.5	0.36	0.44
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG3	4	0.5	0.36	0.44
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD11	4	0.48	0.24	0.46
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD12	4	0.48	0.24	0.46
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD13	4	0.48	0.24	0.46
(1,19)	1:43:A:ILE:HA	1:80:A:TRP:HE1	4	0.47	0.18	0.55
(1,606)	1:56:A:LEU:H	1:59:A:ASP:HB2	4	0.39	0.23	0.31
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD2	4	0.38	0.03	0.4
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD3	4	0.38	0.03	0.4
(1,1505)	1:43:A:ILE:HD11	1:80:A:TRP:HE3	4	0.38	0.26	0.32
(1,1505)	1:43:A:ILE:HD12	1:80:A:TRP:HE3	4	0.38	0.26	0.32
(1,1505)	1:43:A:ILE:HD13	1:80:A:TRP:HE3	4	0.38	0.26	0.32
(1,892)	1:17:A:GLN:HE22	1:30:A:ALA:H	4	0.38	0.24	0.32
(1,973)	1:33:A:GLU:HA	1:36:A:SER:HB3	4	0.36	0.06	0.38
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG21	4	0.35	0.18	0.26
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG22	4	0.35	0.18	0.26
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG23	4	0.35	0.18	0.26
(1,1105)	1:38:A:LEU:HB3	1:80:A:TRP:HZ2	4	0.34	0.17	0.36
(1,135)	1:20:A:ASP:H	1:25:A:ILE:H	4	0.34	0.04	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,874)	1:77:A:LEU:HA	1:81:A:GLN:HE21	4	0.33	0.17	0.3
(1,796)	1:16:A:LEU:HD11	1:19:A:ILE:H	4	0.32	0.12	0.33
(1,796)	1:16:A:LEU:HD12	1:19:A:ILE:H	4	0.32	0.12	0.33
(1,796)	1:16:A:LEU:HD13	1:19:A:ILE:H	4	0.32	0.12	0.33
(1,796)	1:16:A:LEU:HD21	1:19:A:ILE:H	4	0.32	0.12	0.33
(1,796)	1:16:A:LEU:HD22	1:19:A:ILE:H	4	0.32	0.12	0.33
(1,796)	1:16:A:LEU:HD23	1:19:A:ILE:H	4	0.32	0.12	0.33
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG21	4	0.32	0.09	0.35
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG22	4	0.32	0.09	0.35
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG23	4	0.32	0.09	0.35
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD11	4	0.32	0.09	0.34
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD12	4	0.32	0.09	0.34
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD13	4	0.32	0.09	0.34
(1,21)	1:38:A:LEU:HD11	1:80:A:TRP:HE1	4	0.31	0.17	0.26
(1,21)	1:38:A:LEU:HD12	1:80:A:TRP:HE1	4	0.31	0.17	0.26
(1,21)	1:38:A:LEU:HD13	1:80:A:TRP:HE1	4	0.31	0.17	0.26
(1,21)	1:38:A:LEU:HD21	1:80:A:TRP:HE1	4	0.31	0.17	0.26
(1,21)	1:38:A:LEU:HD22	1:80:A:TRP:HE1	4	0.31	0.17	0.26
(1,21)	1:38:A:LEU:HD23	1:80:A:TRP:HE1	4	0.31	0.17	0.26
(1,1372)	1:64:A:THR:HG21	1:70:A:ALA:HA	4	0.31	0.08	0.29
(1,1372)	1:64:A:THR:HG22	1:70:A:ALA:HA	4	0.31	0.08	0.29
(1,1372)	1:64:A:THR:HG23	1:70:A:ALA:HA	4	0.31	0.08	0.29
(1,591)	1:76:A:LEU:HD11	1:79:A:SER:H	4	0.31	0.07	0.3
(1,591)	1:76:A:LEU:HD12	1:79:A:SER:H	4	0.31	0.07	0.3
(1,591)	1:76:A:LEU:HD13	1:79:A:SER:H	4	0.31	0.07	0.3
(1,591)	1:76:A:LEU:HD21	1:79:A:SER:H	4	0.31	0.07	0.3
(1,591)	1:76:A:LEU:HD22	1:79:A:SER:H	4	0.31	0.07	0.3
(1,591)	1:76:A:LEU:HD23	1:79:A:SER:H	4	0.31	0.07	0.3
(1,689)	1:58:A:ASN:HD22	1:59:A:ASP:H	4	0.3	0.21	0.2
(1,163)	1:46:A:GLU:HG2	1:47:A:ALA:H	4	0.29	0.15	0.26
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD11	4	0.26	0.08	0.26
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD12	4	0.26	0.08	0.26
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD13	4	0.26	0.08	0.26
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD21	4	0.26	0.08	0.26
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD22	4	0.26	0.08	0.26
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD23	4	0.26	0.08	0.26
(1,563)	1:71:A:LYS:HA	1:74:A:LYS:H	4	0.25	0.09	0.28
(1,482)	1:10:A:GLN:H	1:13:A:ASP:H	4	0.22	0.06	0.22
(1,225)	1:41:A:TYR:H	1:42:A:PRO:HD2	4	0.21	0.08	0.21
(1,50)	1:65:A:LYS:H	1:66:A:ASN:HB3	4	0.2	0.06	0.2
(1,292)	1:68:A:GLU:HB2	1:70:A:ALA:H	4	0.18	0.06	0.18
(1,292)	1:68:A:GLU:HB3	1:70:A:ALA:H	4	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,556)	1:50:A:GLU:H	1:53:A:LEU:H	4	0.18	0.05	0.19
(2,69)	1:77:A:LEU:O	1:80:A:TRP:N	4	0.16	0.06	0.14
(1,525)	1:28:A:MET:HG3	1:29:A:VAL:H	4	0.14	0.02	0.15
(1,1224)	1:41:A:TYR:HA	1:42:A:PRO:HB2	4	0.14	0.02	0.13
(1,953)	1:84:A:ILE:HA	1:84:A:ILE:HG12	4	0.11	0.01	0.11
(1,92)	1:48:A:LEU:HD21	1:80:A:TRP:H	3	1.25	0.74	1.76
(1,92)	1:48:A:LEU:HD22	1:80:A:TRP:H	3	1.25	0.74	1.76
(1,92)	1:48:A:LEU:HD23	1:80:A:TRP:H	3	1.25	0.74	1.76
(1,739)	1:82:A:LYS:HD2	1:84:A:ILE:H	3	1.21	0.27	1.35
(1,739)	1:82:A:LYS:HD3	1:84:A:ILE:H	3	1.21	0.27	1.35
(1,573)	1:82:A:LYS:HD2	1:83:A:LEU:H	3	1.09	0.34	1.24
(1,573)	1:82:A:LYS:HD3	1:83:A:LEU:H	3	1.09	0.34	1.24
(1,1437)	1:25:A:ILE:HD11	1:28:A:MET:HG3	3	0.96	0.62	0.57
(1,1437)	1:25:A:ILE:HD12	1:28:A:MET:HG3	3	0.96	0.62	0.57
(1,1437)	1:25:A:ILE:HD13	1:28:A:MET:HG3	3	0.96	0.62	0.57
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG2	3	0.89	0.05	0.91
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG3	3	0.89	0.05	0.91
(1,575)	1:83:A:LEU:H	1:84:A:ILE:HG13	3	0.81	0.73	0.33
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD21	3	0.77	0.66	0.55
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD22	3	0.77	0.66	0.55
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD23	3	0.77	0.66	0.55
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD21	3	0.77	0.66	0.55
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD22	3	0.77	0.66	0.55
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD23	3	0.77	0.66	0.55
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD11	3	0.76	0.29	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD12	3	0.76	0.29	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD13	3	0.76	0.29	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD21	3	0.76	0.29	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD22	3	0.76	0.29	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD23	3	0.76	0.29	0.96
(1,742)	1:25:A:ILE:HD11	1:63:A:LYS:H	3	0.65	0.33	0.86
(1,742)	1:25:A:ILE:HD12	1:63:A:LYS:H	3	0.65	0.33	0.86
(1,742)	1:25:A:ILE:HD13	1:63:A:LYS:H	3	0.65	0.33	0.86
(1,959)	1:43:A:ILE:HA	1:80:A:TRP:HZ2	3	0.63	0.15	0.53
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD11	3	0.62	0.06	0.61
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD12	3	0.62	0.06	0.61
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD13	3	0.62	0.06	0.61
(1,1442)	1:19:A:ILE:HD11	1:25:A:ILE:HA	3	0.6	0.18	0.68
(1,1442)	1:19:A:ILE:HD12	1:25:A:ILE:HA	3	0.6	0.18	0.68
(1,1442)	1:19:A:ILE:HD13	1:25:A:ILE:HA	3	0.6	0.18	0.68
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD11	3	0.55	0.31	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD12	3	0.55	0.31	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD13	3	0.55	0.31	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD21	3	0.55	0.31	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD22	3	0.55	0.31	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD23	3	0.55	0.31	0.41
(1,1066)	1:18:A:ALA:HA	1:26:A:ARG:HB3	3	0.54	0.31	0.66
(1,1502)	1:77:A:LEU:HG	1:80:A:TRP:HE3	3	0.53	0.38	0.33
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD11	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD12	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD13	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD21	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD22	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD23	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD11	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD12	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD13	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD21	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD22	3	0.53	0.3	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD23	3	0.53	0.3	0.67
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD11	3	0.52	0.2	0.51
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD12	3	0.52	0.2	0.51
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD13	3	0.52	0.2	0.51
(1,788)	1:19:A:ILE:H	1:26:A:ARG:H	3	0.51	0.25	0.37
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD11	3	0.5	0.38	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD12	3	0.5	0.38	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD13	3	0.5	0.38	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD21	3	0.5	0.38	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD22	3	0.5	0.38	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD23	3	0.5	0.38	0.23
(1,841)	1:5:A:PRO:HB2	1:10:A:GLN:HE21	3	0.45	0.49	0.11
(1,692)	1:55:A:LYS:HA	1:58:A:ASN:HD21	3	0.44	0.22	0.35
(1,1098)	1:12:A:ARG:HD3	1:51:A:THR:HB	3	0.43	0.09	0.39
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG21	3	0.4	0.18	0.44
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG22	3	0.4	0.18	0.44
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG23	3	0.4	0.18	0.44
(1,581)	1:31:A:VAL:H	1:31:A:VAL:HB	3	0.39	0.0	0.39
(1,1107)	1:38:A:LEU:HB3	1:80:A:TRP:HH2	3	0.37	0.11	0.43
(1,1491)	1:38:A:LEU:HA	1:80:A:TRP:HZ2	3	0.36	0.18	0.48
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD11	3	0.36	0.18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD12	3	0.36	0.18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD13	3	0.36	0.18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD21	3	0.36	0.18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD22	3	0.36	0.18	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD23	3	0.36	0.18	0.32
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD2	3	0.35	0.04	0.36
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD3	3	0.35	0.04	0.36
(1,271)	1:64:A:THR:HG21	1:69:A:LEU:H	3	0.34	0.16	0.25
(1,271)	1:64:A:THR:HG22	1:69:A:LEU:H	3	0.34	0.16	0.25
(1,271)	1:64:A:THR:HG23	1:69:A:LEU:H	3	0.34	0.16	0.25
(1,969)	1:9:A:GLN:HA	1:12:A:ARG:HB3	3	0.33	0.13	0.38
(1,858)	1:77:A:LEU:HD11	1:81:A:GLN:HE21	3	0.32	0.15	0.22
(1,858)	1:77:A:LEU:HD12	1:81:A:GLN:HE21	3	0.32	0.15	0.22
(1,858)	1:77:A:LEU:HD13	1:81:A:GLN:HE21	3	0.32	0.15	0.22
(1,858)	1:77:A:LEU:HD21	1:81:A:GLN:HE21	3	0.32	0.15	0.22
(1,858)	1:77:A:LEU:HD22	1:81:A:GLN:HE21	3	0.32	0.15	0.22
(1,858)	1:77:A:LEU:HD23	1:81:A:GLN:HE21	3	0.32	0.15	0.22
(1,348)	1:15:A:LEU:H	1:15:A:LEU:HB3	3	0.31	0.01	0.31
(1,1521)	1:48:A:LEU:HD21	1:80:A:TRP:HZ3	3	0.31	0.14	0.39
(1,1521)	1:48:A:LEU:HD22	1:80:A:TRP:HZ3	3	0.31	0.14	0.39
(1,1521)	1:48:A:LEU:HD23	1:80:A:TRP:HZ3	3	0.31	0.14	0.39
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD11	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD12	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD13	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD11	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD12	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD13	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD11	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD12	3	0.3	0.22	0.15
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD13	3	0.3	0.22	0.15
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG21	3	0.3	0.15	0.21
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG22	3	0.3	0.15	0.21
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG23	3	0.3	0.15	0.21
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB1	3	0.3	0.11	0.34
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB2	3	0.3	0.11	0.34
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB3	3	0.3	0.11	0.34
(1,775)	1:48:A:LEU:HA	1:52:A:ARG:H	3	0.29	0.05	0.3
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE2	3	0.29	0.2	0.15
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE3	3	0.29	0.2	0.15
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD11	3	0.28	0.08	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD12	3	0.28	0.08	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD13	3	0.28	0.08	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD21	3	0.28	0.08	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD22	3	0.28	0.08	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD23	3	0.28	0.08	0.28
(1,490)	1:37:A:SER:HB2	1:39:A:GLU:H	3	0.26	0.13	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1009)	1:77:A:LEU:HA	1:77:A:LEU:HG	3	0.23	0.02	0.22
(1,1197)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	3	0.23	0.02	0.23
(1,1081)	1:5:A:PRO:HB2	1:6:A:ALA:HA	3	0.23	0.11	0.19
(1,894)	1:91:A:GLU:HA	1:92:A:ALA:H	3	0.22	0.03	0.22
(1,682)	1:40:A:LYS:H	1:42:A:PRO:HD3	3	0.2	0.06	0.2
(1,807)	1:60:A:VAL:HG11	1:64:A:THR:H	3	0.19	0.05	0.16
(1,807)	1:60:A:VAL:HG12	1:64:A:THR:H	3	0.19	0.05	0.16
(1,807)	1:60:A:VAL:HG13	1:64:A:THR:H	3	0.19	0.05	0.16
(1,126)	1:20:A:ASP:H	1:23:A:SER:H	3	0.19	0.03	0.2
(1,401)	1:47:A:ALA:H	1:49:A:GLU:H	3	0.18	0.06	0.18
(1,708)	1:7:A:SER:HA	1:9:A:GLN:H	3	0.18	0.04	0.2
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB1	3	0.17	0.03	0.19
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB2	3	0.17	0.03	0.19
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB3	3	0.17	0.03	0.19
(2,53)	1:69:A:LEU:O	1:72:A:ARG:N	3	0.16	0.02	0.16
(1,558)	1:27:A:ASN:HA	1:31:A:VAL:H	3	0.15	0.05	0.12
(1,835)	1:27:A:ASN:HD21	1:30:A:ALA:H	3	0.15	0.04	0.13
(1,669)	1:57:A:ILE:H	1:58:A:ASN:HB2	3	0.14	0.04	0.13
(1,1039)	1:41:A:TYR:HA	1:42:A:PRO:HB3	3	0.14	0.02	0.12
(1,571)	1:81:A:GLN:HB2	1:83:A:LEU:H	3	0.13	0.03	0.11
(1,233)	1:39:A:GLU:HB3	1:41:A:TYR:H	3	0.12	0.01	0.13
(1,272)	1:76:A:LEU:H	1:79:A:SER:H	3	0.12	0.01	0.12
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD2	3	0.11	0.01	0.11
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD3	3	0.11	0.01	0.11
(1,76)	1:42:A:PRO:HD2	1:43:A:ILE:H	3	0.11	0.0	0.11
(1,445)	1:55:A:LYS:HG3	1:59:A:ASP:H	2	1.13	0.54	1.13
(1,471)	1:22:A:GLN:HA	1:24:A:ASN:HD21	2	0.95	0.56	0.95
(1,1515)	1:82:A:LYS:HG2	1:88:A:HIS:HD2	2	0.71	0.18	0.71
(1,1515)	1:82:A:LYS:HG3	1:88:A:HIS:HD2	2	0.71	0.18	0.71
(1,827)	1:22:A:GLN:HE21	1:24:A:ASN:HD22	2	0.64	0.28	0.64
(1,159)	1:44:A:THR:HB	1:47:A:ALA:H	2	0.62	0.38	0.62
(1,946)	1:64:A:THR:HA	1:65:A:LYS:HB3	2	0.48	0.32	0.48
(1,1144)	1:56:A:LEU:HD11	1:59:A:ASP:HB3	2	0.44	0.21	0.44
(1,1144)	1:56:A:LEU:HD12	1:59:A:ASP:HB3	2	0.44	0.21	0.44
(1,1144)	1:56:A:LEU:HD13	1:59:A:ASP:HB3	2	0.44	0.21	0.44
(1,1144)	1:56:A:LEU:HD21	1:59:A:ASP:HB3	2	0.44	0.21	0.44
(1,1144)	1:56:A:LEU:HD22	1:59:A:ASP:HB3	2	0.44	0.21	0.44
(1,1144)	1:56:A:LEU:HD23	1:59:A:ASP:HB3	2	0.44	0.21	0.44
(1,43)	1:48:A:LEU:HD21	1:54:A:GLY:H	2	0.4	0.23	0.4
(1,43)	1:48:A:LEU:HD22	1:54:A:GLY:H	2	0.4	0.23	0.4
(1,43)	1:48:A:LEU:HD23	1:54:A:GLY:H	2	0.4	0.23	0.4
(1,1146)	1:10:A:GLN:HA	1:13:A:ASP:HB3	2	0.4	0.07	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,328)	1:18:A:ALA:HA	1:30:A:ALA:H	2	0.38	0.03	0.38
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD11	2	0.35	0.18	0.35
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD12	2	0.35	0.18	0.35
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD13	2	0.35	0.18	0.35
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD21	2	0.35	0.18	0.35
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD22	2	0.35	0.18	0.35
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD23	2	0.35	0.18	0.35
(1,889)	1:17:A:GLN:HE21	1:18:A:ALA:H	2	0.34	0.04	0.34
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD11	2	0.33	0.17	0.33
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD12	2	0.33	0.17	0.33
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD13	2	0.33	0.17	0.33
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD21	2	0.33	0.17	0.33
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD22	2	0.33	0.17	0.33
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD23	2	0.33	0.17	0.33
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD11	2	0.32	0.02	0.32
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD12	2	0.32	0.02	0.32
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD13	2	0.32	0.02	0.32
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD21	2	0.32	0.02	0.32
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD22	2	0.32	0.02	0.32
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD23	2	0.32	0.02	0.32
(1,859)	1:5:A:PRO:HA	1:10:A:GLN:HE22	2	0.31	0.04	0.31
(1,1482)	1:5:A:PRO:HD2	1:41:A:TYR:HD1	2	0.3	0.18	0.3
(1,1482)	1:5:A:PRO:HD2	1:41:A:TYR:HD2	2	0.3	0.18	0.3
(1,1118)	1:19:A:ILE:HB	1:23:A:SER:HA	2	0.29	0.03	0.29
(1,1222)	1:47:A:ALA:HB1	1:50:A:GLU:HB2	2	0.29	0.08	0.29
(1,1222)	1:47:A:ALA:HB2	1:50:A:GLU:HB2	2	0.29	0.08	0.29
(1,1222)	1:47:A:ALA:HB3	1:50:A:GLU:HB2	2	0.29	0.08	0.29
(1,644)	1:5:A:PRO:HB2	1:7:A:SER:H	2	0.29	0.0	0.29
(1,1135)	1:45:A:LYS:HA	1:48:A:LEU:HB2	2	0.29	0.06	0.29
(1,1377)	1:47:A:ALA:HB1	1:51:A:THR:HB	2	0.26	0.06	0.26
(1,1377)	1:47:A:ALA:HB2	1:51:A:THR:HB	2	0.26	0.06	0.26
(1,1377)	1:47:A:ALA:HB3	1:51:A:THR:HB	2	0.26	0.06	0.26
(1,853)	1:6:A:ALA:HB1	1:10:A:GLN:HE21	2	0.26	0.1	0.26
(1,853)	1:6:A:ALA:HB2	1:10:A:GLN:HE21	2	0.26	0.1	0.26
(1,853)	1:6:A:ALA:HB3	1:10:A:GLN:HE21	2	0.26	0.1	0.26
(1,1527)	1:53:A:LEU:HB3	1:80:A:TRP:HZ3	2	0.24	0.1	0.24
(1,1254)	1:9:A:GLN:HA	1:12:A:ARG:HB2	2	0.2	0.03	0.2
(1,475)	1:12:A:ARG:HD3	1:13:A:ASP:H	2	0.2	0.09	0.2
(1,611)	1:27:A:ASN:H	1:30:A:ALA:H	2	0.2	0.04	0.2
(1,1139)	1:56:A:LEU:HD11	1:59:A:ASP:HB2	2	0.2	0.05	0.2
(1,1139)	1:56:A:LEU:HD12	1:59:A:ASP:HB2	2	0.2	0.05	0.2
(1,1139)	1:56:A:LEU:HD13	1:59:A:ASP:HB2	2	0.2	0.05	0.2

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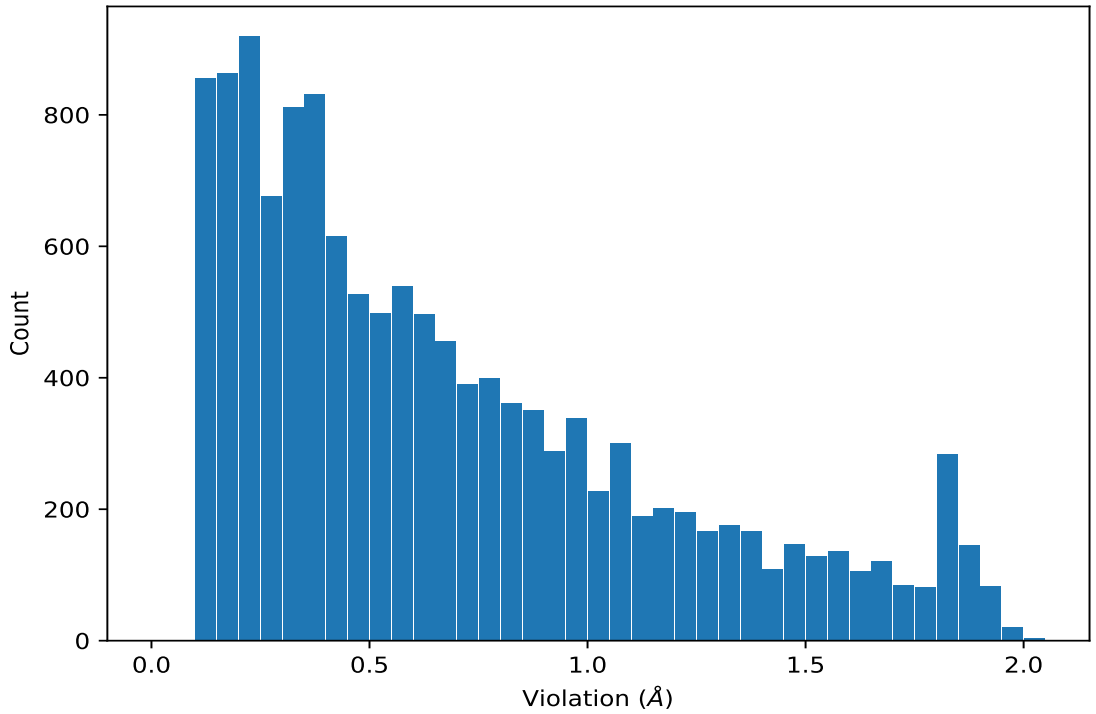
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1139)	1:56:A:LEU:HD21	1:59:A:ASP:HB2	2	0.2	0.05	0.2
(1,1139)	1:56:A:LEU:HD22	1:59:A:ASP:HB2	2	0.2	0.05	0.2
(1,1139)	1:56:A:LEU:HD23	1:59:A:ASP:HB2	2	0.2	0.05	0.2
(1,1484)	1:77:A:LEU:HA	1:80:A:TRP:HD1	2	0.2	0.09	0.2
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD11	2	0.18	0.03	0.18
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD12	2	0.18	0.03	0.18
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD13	2	0.18	0.03	0.18
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD21	2	0.18	0.03	0.18
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD22	2	0.18	0.03	0.18
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD23	2	0.18	0.03	0.18
(1,265)	1:66:A:ASN:HB2	1:69:A:LEU:H	2	0.18	0.06	0.18
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB1	2	0.16	0.04	0.16
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB2	2	0.16	0.04	0.16
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB3	2	0.16	0.04	0.16
(1,493)	1:59:A:ASP:HB2	1:60:A:VAL:H	2	0.16	0.01	0.16
(1,991)	1:10:A:GLN:HA	1:13:A:ASP:HB2	2	0.15	0.01	0.15
(1,88)	1:84:A:ILE:HG21	1:85:A:GLU:H	2	0.15	0.04	0.15
(1,88)	1:84:A:ILE:HG22	1:85:A:GLU:H	2	0.15	0.04	0.15
(1,88)	1:84:A:ILE:HG23	1:85:A:GLU:H	2	0.15	0.04	0.15
(1,379)	1:66:A:ASN:HB2	1:68:A:GLU:H	2	0.15	0.02	0.15
(1,1116)	1:24:A:ASN:HA	1:63:A:LYS:HE2	2	0.15	0.02	0.15
(1,1116)	1:24:A:ASN:HA	1:63:A:LYS:HE3	2	0.15	0.02	0.15
(1,760)	1:36:A:SER:H	1:38:A:LEU:HB2	2	0.14	0.01	0.14
(1,125)	1:91:A:GLU:H	1:92:A:ALA:HA	2	0.12	0.02	0.12
(1,979)	1:19:A:ILE:HA	1:26:A:ARG:HD2	2	0.11	0.01	0.11
(1,979)	1:19:A:ILE:HA	1:26:A:ARG:HD3	2	0.11	0.01	0.11

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	5	2.03
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	9	2.01
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	9	2.01
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	9	2.01
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	1	1.98
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	1	1.98
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	1	1.98
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	4	1.98
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	4	1.98
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	4	1.98
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	6	1.97
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	6	1.97
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	6	1.97
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	8	1.97
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	8	1.97
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	8	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	14	1.97
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	14	1.97
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	14	1.97
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	16	1.95
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	16	1.95
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	16	1.95
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	1	1.95
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	1	1.95
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	1	1.95
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	2	1.94
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	2	1.94
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	2	1.94
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	3	1.94
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	3	1.94
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	3	1.94
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	12	1.94
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	12	1.94
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	12	1.94
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	10	1.94
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	10	1.94
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	5	1.93
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	5	1.93
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	5	1.93
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	12	1.93
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	12	1.93
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	12	1.93
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	1	1.92
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	1	1.92
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	1	1.92
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	1	1.92
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	1	1.92
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	1	1.92
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	1	1.92
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	1	1.92
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	1	1.92
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	1	1.92
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	1	1.92
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	1	1.92
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	1	1.92
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	1	1.92
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	1	1.92
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	1	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	1	1.92
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	1	1.92
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	4	1.92
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	4	1.92
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	4	1.92
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	9	1.92
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	9	1.92
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	9	1.92
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	7	1.92
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	7	1.92
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	19	1.92
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	19	1.92
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	19	1.92
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	3	1.92
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	18	1.91
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	18	1.91
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	18	1.91
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	18	1.91
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	18	1.91
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	18	1.91
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	18	1.91
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	18	1.91
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	18	1.91
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	18	1.91
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	2	1.91
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	2	1.91
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	2	1.91
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	16	1.91
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	3	1.91
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	20	1.91
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	12	1.91
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	7	1.91
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	12	1.91
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	1	1.9
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	1	1.9
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	1	1.9
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	5	1.9
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	5	1.9
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	5	1.9
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	14	1.9
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	14	1.9
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	14	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	9	1.9
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	17	1.9
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	15	1.9
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	5	1.9
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	19	1.9
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	20	1.9
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	20	1.9
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	10	1.9
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	16	1.89
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	18	1.89
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	18	1.89
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	18	1.89
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	2	1.89
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	2	1.89
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	7	1.89
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG2	14	1.89
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG3	14	1.89
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	13	1.89
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	2	1.89
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	8	1.89
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	15	1.89
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	5	1.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	17	1.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	17	1.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	17	1.88
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	6	1.88
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	6	1.88
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	6	1.88
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	18	1.88
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	18	1.88
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	18	1.88
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	6	1.88
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	6	1.88
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	6	1.88
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	20	1.88
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	20	1.88
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	20	1.88
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	13	1.88
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	13	1.88
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	1	1.88
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	7	1.88
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	7	1.88
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	7	1.88
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	8	1.88
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	11	1.88
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	11	1.88
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	17	1.88
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	16	1.88
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	6	1.88
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	7	1.88
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	12	1.88
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	1	1.87
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	1	1.87
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	1	1.87
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	1	1.87
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	13	1.87
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	17	1.87
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	2	1.87
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	6	1.87
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	19	1.87
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	19	1.87
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	19	1.87
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	3	1.86
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	3	1.86
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	11	1.86
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	19	1.86
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	19	1.86
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	19	1.86
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	19	1.86
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	19	1.86
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	19	1.86
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	19	1.86
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	19	1.86
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	19	1.86
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	19	1.86
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	19	1.86
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	19	1.86
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	19	1.86
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	19	1.86
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	19	1.86
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	19	1.86
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	19	1.86
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	19	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	2	1.86
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	4	1.86
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	12	1.86
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	1	1.86
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	8	1.86
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	1	1.86
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	19	1.86
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	20	1.86
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	1	1.86
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	2	1.86
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	2	1.86
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	13	1.86
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	4	1.86
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	18	1.85
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	13	1.85
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	19	1.85
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	19	1.85
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	19	1.85
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	19	1.85
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	19	1.85
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	19	1.85
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	3	1.85
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	3	1.85
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	3	1.85
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	3	1.85
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	3	1.85
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	3	1.85
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	3	1.85
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	3	1.85
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	3	1.85
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	8	1.85
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	8	1.85
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	8	1.85
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	8	1.85
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	8	1.85
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	8	1.85
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	8	1.85
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	8	1.85
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	8	1.85
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	13	1.85
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	7	1.85
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	2	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	2	1.85
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	2	1.85
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	5	1.85
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	5	1.85
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	5	1.85
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	5	1.85
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	8	1.85
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	18	1.85
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	3	1.85
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	7	1.85
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	8	1.85
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	10	1.85
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	11	1.85
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	17	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	2	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	2	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	4	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	4	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	11	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	11	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	19	1.85
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	19	1.85
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	14	1.85
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	17	1.85
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	6	1.85
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	18	1.85
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	13	1.85
(1,1437)	1:25:A:ILE:HD11	1:28:A:MET:HG3	14	1.84
(1,1437)	1:25:A:ILE:HD12	1:28:A:MET:HG3	14	1.84
(1,1437)	1:25:A:ILE:HD13	1:28:A:MET:HG3	14	1.84
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	3	1.84
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	3	1.84
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	3	1.84
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	11	1.84
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	11	1.84
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	11	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	2	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	2	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	2	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	5	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	5	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	5	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	12	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	12	1.84
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	12	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	6	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	6	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	6	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	6	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	6	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	6	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	6	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	6	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	6	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	12	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	12	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	12	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	12	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	12	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	12	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	12	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	12	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	12	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	14	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	14	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	14	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	14	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	14	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	14	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	14	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	14	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	14	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	16	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	16	1.84
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	16	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	16	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	16	1.84
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	16	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	16	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	16	1.84
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	16	1.84
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	15	1.84
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	8	1.84
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	17	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	17	1.84
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	12	1.84
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD2	16	1.84
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD3	16	1.84
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD2	16	1.84
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD3	16	1.84
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	18	1.84
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	18	1.84
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	11	1.84
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	11	1.84
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	11	1.84
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	3	1.84
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	15	1.84
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	11	1.84
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	9	1.84
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	10	1.84
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	18	1.84
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	9	1.84
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	16	1.84
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	16	1.84
(1,575)	1:83:A:LEU:H	1:84:A:ILE:HG13	11	1.84
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	12	1.84
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	12	1.84
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	18	1.84
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	18	1.84
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	15	1.84
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	16	1.84
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	11	1.83
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	2	1.83
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	14	1.83
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	13	1.83
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	7	1.83
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	18	1.83
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	20	1.83
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	3	1.83
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	3	1.83
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	3	1.83
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	14	1.83
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	14	1.83
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	14	1.83
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	2	1.83
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	2	1.83
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	2	1.83
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	2	1.83
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	2	1.83
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	2	1.83
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	2	1.83
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	2	1.83
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	5	1.83
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	5	1.83
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	5	1.83
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	5	1.83
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	5	1.83
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	5	1.83
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	5	1.83
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	5	1.83
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	5	1.83
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	19	1.83
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	19	1.83
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	19	1.83
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	11	1.83
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	14	1.83
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	3	1.83
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	3	1.83
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	3	1.83
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	13	1.83
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	19	1.83
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	9	1.83
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	4	1.83
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	4	1.83
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	4	1.83
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	17	1.83
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	2	1.83
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	5	1.83
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	10	1.83
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	10	1.83
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	18	1.83
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	15	1.83
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	3	1.83
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	3	1.83
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	19	1.83
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	1	1.82
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	4	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	7	1.82
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	13	1.82
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	5	1.82
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	17	1.82
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	6	1.82
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	6	1.82
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	6	1.82
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	6	1.82
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	6	1.82
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	6	1.82
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	6	1.82
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	6	1.82
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	6	1.82
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	7	1.82
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	7	1.82
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	7	1.82
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	12	1.82
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	12	1.82
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	12	1.82
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	9	1.82
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	9	1.82
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	9	1.82
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	7	1.82
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	7	1.82
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	7	1.82
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	15	1.82
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	15	1.82
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	15	1.82
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	2	1.82
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	2	1.82
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	2	1.82
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	2	1.82
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	2	1.82
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	2	1.82
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	1	1.82
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	1	1.82
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	1	1.82
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	1	1.82
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	1	1.82
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	1	1.82
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	1	1.82
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	1	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	1	1.82
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	5	1.82
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	5	1.82
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	5	1.82
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	16	1.82
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	16	1.82
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	17	1.82
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	9	1.82
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	9	1.82
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	9	1.82
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	13	1.82
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	13	1.82
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	13	1.82
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	6	1.82
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	10	1.82
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	14	1.82
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	20	1.82
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	11	1.82
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	1	1.82
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	13	1.82
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	16	1.82
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	19	1.82
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	11	1.82
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	6	1.82
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	6	1.82
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	19	1.82
(1,540)	1:29:A:VAL:H	1:32:A:LEU:HG	15	1.82
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	2	1.82
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	8	1.82
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	3	1.82
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	3	1.82
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	3	1.82
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	2	1.82
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	14	1.82
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	16	1.82
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	8	1.81
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	11	1.81
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	17	1.81
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	2	1.81
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	17	1.81
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	15	1.81
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	19	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	19	1.81
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	19	1.81
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	4	1.81
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	4	1.81
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	4	1.81
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	18	1.81
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	18	1.81
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	18	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	19	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	19	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	19	1.81
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	19	1.81
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	19	1.81
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	19	1.81
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	19	1.81
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	19	1.81
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	19	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	20	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	20	1.81
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	20	1.81
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	20	1.81
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	20	1.81
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	20	1.81
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	20	1.81
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	20	1.81
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	20	1.81
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	4	1.81
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	19	1.81
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	19	1.81
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	11	1.81
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	17	1.81
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	1	1.81
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	7	1.81
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	14	1.81
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	9	1.81
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	14	1.81
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	14	1.81
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	14	1.81
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	14	1.81
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	14	1.81
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	14	1.81
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	14	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	3	1.8
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	6	1.8
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	6	1.8
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	8	1.8
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	10	1.8
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	13	1.8
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	9	1.8
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	9	1.8
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	9	1.8
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	16	1.8
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	15	1.8
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	20	1.8
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	4	1.8
(1,92)	1:48:A:LEU:HD21	1:80:A:TRP:H	7	1.8
(1,92)	1:48:A:LEU:HD22	1:80:A:TRP:H	7	1.8
(1,92)	1:48:A:LEU:HD23	1:80:A:TRP:H	7	1.8
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	2	1.8
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	10	1.79
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	16	1.79
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	20	1.79
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	4	1.79
(1,1097)	1:12:A:ARG:HD2	1:51:A:THR:HB	1	1.79
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	16	1.79
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	5	1.79
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	10	1.79
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	20	1.79
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	15	1.79
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	1	1.79
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	11	1.79
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	8	1.79
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	11	1.79
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	5	1.78
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	15	1.78
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	15	1.78
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	15	1.78
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	19	1.78
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	19	1.78
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	19	1.78
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	7	1.78
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	13	1.78
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	9	1.78
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	13	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	16	1.77
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	16	1.77
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	10	1.77
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	10	1.77
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	19	1.77
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	8	1.77
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	8	1.77
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	6	1.77
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	13	1.77
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	12	1.77
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	12	1.77
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	12	1.77
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	17	1.76
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	8	1.76
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	11	1.76
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	10	1.76
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	10	1.76
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	10	1.76
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	18	1.76
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	18	1.76
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	18	1.76
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	14	1.76
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	15	1.76
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	20	1.76
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	11	1.76
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	16	1.76
(1,92)	1:48:A:LEU:HD21	1:80:A:TRP:H	4	1.76
(1,92)	1:48:A:LEU:HD22	1:80:A:TRP:H	4	1.76
(1,92)	1:48:A:LEU:HD23	1:80:A:TRP:H	4	1.76
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	19	1.75
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	19	1.75
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	17	1.75
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	17	1.75
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	17	1.75
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	17	1.75
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	17	1.75
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	17	1.75
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	17	1.75
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	17	1.75
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	17	1.75
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	17	1.75
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	17	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	17	1.75
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	14	1.75
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	14	1.75
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	7	1.75
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	7	1.75
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	7	1.75
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	20	1.75
(1,929)	1:11:A:ILE:HG21	1:37:A:SER:HB2	12	1.75
(1,929)	1:11:A:ILE:HG22	1:37:A:SER:HB2	12	1.75
(1,929)	1:11:A:ILE:HG23	1:37:A:SER:HB2	12	1.75
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	5	1.75
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	9	1.75
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	9	1.75
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	9	1.75
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	20	1.75
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	12	1.74
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	12	1.74
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	12	1.74
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	5	1.74
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	10	1.74
(1,825)	1:8:A:PRO:HA	1:44:A:THR:H	11	1.74
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	10	1.74
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	17	1.74
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	1	1.73
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	1	1.73
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	1	1.73
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	1	1.73
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	1	1.73
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	1	1.73
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	1	1.73
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	1	1.73
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	1	1.73
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	13	1.73
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	13	1.73
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	13	1.73
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	13	1.73
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	13	1.73
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	13	1.73
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	13	1.73
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	13	1.73
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	13	1.73
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	15	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	17	1.73
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	9	1.73
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	8	1.73
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	8	1.73
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	8	1.73
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	8	1.73
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	8	1.73
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	8	1.73
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	1	1.73
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	15	1.72
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	8	1.72
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	13	1.72
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	7	1.72
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	10	1.72
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	10	1.72
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	10	1.72
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	14	1.72
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	14	1.72
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	14	1.72
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	14	1.72
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	12	1.72
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	4	1.72
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	7	1.72
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	7	1.72
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	7	1.72
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	12	1.72
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	15	1.71
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	15	1.71
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	15	1.71
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	7	1.71
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	7	1.71
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	7	1.71
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	7	1.71
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	7	1.71
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	7	1.71
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	7	1.71
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	7	1.71
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	7	1.71
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	11	1.71
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	18	1.7
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	17	1.7
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	17	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	17	1.7
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	17	1.7
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	17	1.7
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	17	1.7
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	17	1.7
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	17	1.7
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	17	1.7
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	1	1.7
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	7	1.7
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	10	1.7
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	10	1.7
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	10	1.7
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	7	1.7
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	5	1.7
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	17	1.7
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	4	1.69
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	4	1.69
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	4	1.69
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	3	1.69
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	3	1.69
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	3	1.69
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	12	1.69
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	12	1.69
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	12	1.69
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	3	1.69
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	6	1.69
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	20	1.69
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	4	1.69
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	16	1.69
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	16	1.69
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	16	1.69
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	16	1.69
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	1	1.68
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	1	1.68
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	14	1.68
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	10	1.68
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	1	1.68
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	1	1.68
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	1	1.68
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	14	1.68
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	14	1.68
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	14	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	15	1.68
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	15	1.68
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	15	1.68
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	11	1.68
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	11	1.68
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	11	1.68
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	11	1.68
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	11	1.68
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	11	1.68
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	16	1.68
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	16	1.68
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	16	1.68
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	2	1.68
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	16	1.68
(1,998)	1:53:A:LEU:HA	1:56:A:LEU:HB2	18	1.68
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	9	1.68
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	9	1.68
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	9	1.68
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	14	1.68
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	14	1.68
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	10	1.68
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	6	1.68
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	18	1.68
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	10	1.67
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	19	1.67
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	19	1.67
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	19	1.67
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	19	1.67
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD21	15	1.67
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD22	15	1.67
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD23	15	1.67
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD21	15	1.67
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD22	15	1.67
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD23	15	1.67
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	10	1.67
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	10	1.67
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	10	1.67
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	10	1.67
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	10	1.67
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	10	1.67
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	10	1.67
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	10	1.67
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	7	1.67
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	1	1.67
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	8	1.67
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	8	1.67
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	8	1.67
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	2	1.67
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	14	1.67
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	14	1.67
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	5	1.67
(1,445)	1:55:A:LYS:HG3	1:59:A:ASP:H	12	1.67
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	6	1.67
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	6	1.67
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	6	1.67
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	16	1.67
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	5	1.66
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	4	1.66
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	13	1.66
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	9	1.66
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	9	1.66
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	9	1.66
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	8	1.66
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	8	1.66
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	8	1.66
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	6	1.66
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	6	1.66
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	6	1.66
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	6	1.66
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	6	1.66
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	6	1.66
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	4	1.66
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	3	1.66
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	3	1.66
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	3	1.66
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	9	1.66
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	9	1.66
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	14	1.66
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	19	1.65
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	19	1.65
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	15	1.65
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	17	1.65
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	17	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	17	1.65
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	16	1.65
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	16	1.65
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	16	1.65
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	20	1.65
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	1	1.65
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	18	1.65
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	5	1.65
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	5	1.65
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	5	1.65
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	4	1.64
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	4	1.64
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	13	1.64
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	13	1.64
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	13	1.64
(1,1190)	1:81:A:GLN:HG3	1:84:A:ILE:HD11	11	1.64
(1,1190)	1:81:A:GLN:HG3	1:84:A:ILE:HD12	11	1.64
(1,1190)	1:81:A:GLN:HG3	1:84:A:ILE:HD13	11	1.64
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	10	1.64
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	3	1.64
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	1	1.64
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	1	1.64
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	2	1.64
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	2	1.64
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	2	1.64
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	2	1.64
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	2	1.64
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	3	1.64
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	9	1.63
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	1	1.63
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	1	1.63
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	1	1.63
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	1	1.63
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	1	1.63
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	1	1.63
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	6	1.63
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	1	1.63
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	1	1.63
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	1	1.63
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	7	1.63
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	16	1.63
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	2	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	2	1.63
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	2	1.63
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	10	1.63
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	3	1.63
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	7	1.63
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	17	1.62
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	19	1.62
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	5	1.62
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	5	1.62
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	5	1.62
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	18	1.62
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	13	1.62
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	3	1.62
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	18	1.62
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	14	1.62
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	14	1.62
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	14	1.62
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	1	1.62
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	1	1.62
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	1	1.62
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	18	1.62
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	18	1.62
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	18	1.62
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	10	1.61
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	15	1.61
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	16	1.61
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	16	1.61
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	6	1.61
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	6	1.61
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	6	1.61
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	6	1.61
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	6	1.61
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	6	1.61
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	17	1.61
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	18	1.61
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	18	1.61
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	18	1.61
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	3	1.61
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	4	1.61
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	17	1.61
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	10	1.61
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	1	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	4	1.61
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	11	1.61
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	10	1.61
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	10	1.61
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	11	1.61
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	11	1.61
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	8	1.61
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	8	1.61
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	8	1.61
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	8	1.61
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	8	1.61
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	8	1.61
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	7	1.6
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	2	1.6
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	2	1.6
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	2	1.6
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	2	1.6
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	2	1.6
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	2	1.6
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	13	1.6
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	13	1.6
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	13	1.6
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	20	1.6
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	20	1.6
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	20	1.6
(1,1090)	1:54:A:GLY:HA3	1:80:A:TRP:HZ3	20	1.6
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	13	1.6
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	8	1.6
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	5	1.6
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	13	1.6
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	15	1.6
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	4	1.59
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	18	1.59
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	8	1.59
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	8	1.59
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	8	1.59
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	10	1.59
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	10	1.59
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	10	1.59
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	16	1.59
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	16	1.59
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	16	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	9	1.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	9	1.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	9	1.59
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	15	1.59
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	15	1.59
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	15	1.59
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	7	1.59
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	7	1.59
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	13	1.59
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	8	1.59
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	17	1.59
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	17	1.59
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	13	1.59
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	16	1.59
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	8	1.59
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	15	1.58
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	2	1.58
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	18	1.58
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	20	1.58
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	13	1.58
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	13	1.58
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	13	1.58
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	15	1.58
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	15	1.58
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	15	1.58
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	16	1.58
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	16	1.58
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	16	1.58
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	19	1.58
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	19	1.58
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	15	1.58
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	6	1.58
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	13	1.58
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	20	1.58
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	4	1.58
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	1	1.58
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	9	1.57
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	9	1.57
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	9	1.57
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	20	1.57
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	20	1.57
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	20	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	2	1.57
(1,1152)	1:26:A:ARG:HB2	1:27:A:ASN:HB3	7	1.57
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	5	1.57
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	5	1.57
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	5	1.57
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	5	1.57
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	4	1.57
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	12	1.57
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	6	1.57
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	20	1.57
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	11	1.57
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	16	1.57
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	17	1.57
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	17	1.57
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	17	1.57
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	12	1.57
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	12	1.57
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	12	1.57
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	16	1.57
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	16	1.57
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	13	1.57
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	3	1.57
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	1	1.57
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	9	1.56
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	16	1.56
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	16	1.56
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	16	1.56
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	16	1.56
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	16	1.56
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	16	1.56
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	16	1.56
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	16	1.56
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	16	1.56
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	16	1.56
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	16	1.56
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	16	1.56
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	16	1.56
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	16	1.56
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	16	1.56
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	16	1.56
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	16	1.56
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	16	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	6	1.56
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	6	1.56
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	6	1.56
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	18	1.56
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	18	1.56
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	18	1.56
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	18	1.56
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	18	1.56
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	18	1.56
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	3	1.56
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	3	1.56
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	3	1.56
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	7	1.56
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	12	1.56
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	1	1.56
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	8	1.56
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	8	1.56
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	10	1.56
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	18	1.55
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	3	1.55
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	3	1.55
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	3	1.55
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	12	1.55
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	12	1.55
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	12	1.55
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	12	1.55
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	12	1.55
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	12	1.55
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	10	1.55
(1,641)	1:43:A:ILE:HD11	1:53:A:LEU:H	20	1.55
(1,641)	1:43:A:ILE:HD12	1:53:A:LEU:H	20	1.55
(1,641)	1:43:A:ILE:HD13	1:53:A:LEU:H	20	1.55
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	16	1.55
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	19	1.55
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	4	1.55
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	4	1.55
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	4	1.55
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	15	1.55
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	15	1.55
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	15	1.55
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	7	1.55
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	20	1.54
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	20	1.54
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	20	1.54
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	20	1.54
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	20	1.54
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	20	1.54
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	20	1.54
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	20	1.54
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	19	1.54
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	19	1.54
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	19	1.54
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	14	1.54
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	12	1.54
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	17	1.54
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	1	1.54
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	7	1.54
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	12	1.54
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	5	1.54
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	5	1.54
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	5	1.54
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	5	1.54
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	5	1.54
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	20	1.54
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	20	1.54
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	20	1.54
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	13	1.54
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	19	1.54
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	14	1.53
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	16	1.53
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	16	1.53
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	16	1.53
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	10	1.53
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	11	1.53
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	9	1.53
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	11	1.53
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	17	1.53
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	13	1.53
(1,532)	1:39:A:GLU:H	1:40:A:LYS:HG3	8	1.53
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	1	1.53
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	7	1.52
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	15	1.52
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	8	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	8	1.52
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	15	1.52
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	3	1.52
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	3	1.52
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	3	1.52
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	8	1.52
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	8	1.52
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	8	1.52
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	8	1.52
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	8	1.52
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	8	1.52
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	18	1.52
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	18	1.52
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	4	1.52
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	16	1.52
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	2	1.52
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	8	1.52
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	8	1.52
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	10	1.52
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	7	1.52
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	7	1.52
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	7	1.52
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	19	1.52
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	18	1.52
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	15	1.51
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	9	1.51
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	18	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	7	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	7	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	7	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	20	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	20	1.51
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	20	1.51
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	9	1.51
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	5	1.51
(1,471)	1:22:A:GLN:HA	1:24:A:ASN:HD21	12	1.51
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	20	1.51
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	20	1.51
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	17	1.51
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	1	1.51
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	1	1.51
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	1	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	6	1.51
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	6	1.51
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	6	1.51
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	19	1.51
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	17	1.5
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	20	1.5
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	12	1.5
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	7	1.5
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	19	1.5
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	19	1.5
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	19	1.5
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	3	1.5
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	3	1.5
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	3	1.5
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	3	1.5
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	3	1.5
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	3	1.5
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	3	1.5
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	3	1.5
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	3	1.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	1	1.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	1	1.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	1	1.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	13	1.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	13	1.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	13	1.5
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	2	1.5
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	2	1.5
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	2	1.5
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	3	1.5
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	3	1.5
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	3	1.5
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	7	1.5
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	9	1.5
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	9	1.5
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	9	1.5
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	20	1.5
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	4	1.5
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	11	1.5
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	11	1.5
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	11	1.5
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	19	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	4	1.5
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	14	1.49
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	11	1.49
(1,1500)	1:56:A:LEU:HD11	1:80:A:TRP:HE3	17	1.49
(1,1500)	1:56:A:LEU:HD12	1:80:A:TRP:HE3	17	1.49
(1,1500)	1:56:A:LEU:HD13	1:80:A:TRP:HE3	17	1.49
(1,1500)	1:56:A:LEU:HD21	1:80:A:TRP:HE3	17	1.49
(1,1500)	1:56:A:LEU:HD22	1:80:A:TRP:HE3	17	1.49
(1,1500)	1:56:A:LEU:HD23	1:80:A:TRP:HE3	17	1.49
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	2	1.49
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	15	1.49
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	15	1.49
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	15	1.49
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	12	1.49
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	3	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	3	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	3	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	3	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	10	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	10	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	10	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	19	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	19	1.49
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	19	1.49
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	10	1.49
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	16	1.49
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	15	1.48
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	5	1.48
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	9	1.48
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	9	1.48
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	9	1.48
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	8	1.48
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	8	1.48
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	8	1.48
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	4	1.48
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	1	1.48
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	1	1.48
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	1	1.48
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	4	1.48
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	13	1.48
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	2	1.48
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	2	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	2	1.48
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	18	1.48
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG21	13	1.48
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG22	13	1.48
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG23	13	1.48
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	20	1.48
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	8	1.48
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	13	1.48
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	2	1.48
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	2	1.48
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	2	1.48
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	4	1.48
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	16	1.48
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	9	1.48
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	11	1.48
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	19	1.48
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	4	1.47
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	13	1.47
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	13	1.47
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	11	1.47
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	11	1.47
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	11	1.47
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	13	1.47
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	13	1.47
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	13	1.47
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	13	1.47
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	13	1.47
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	13	1.47
(1,1152)	1:26:A:ARG:HB2	1:27:A:ASN:HB3	19	1.47
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	12	1.47
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	20	1.47
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	13	1.47
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	7	1.47
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	11	1.46
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	13	1.46
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	13	1.46
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	4	1.46
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	4	1.46
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	4	1.46
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	4	1.46
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	4	1.46
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	4	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	4	1.46
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	4	1.46
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	4	1.46
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	6	1.46
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	6	1.46
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	6	1.46
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	3	1.46
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	3	1.46
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	3	1.46
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	3	1.46
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	3	1.46
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	19	1.46
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	5	1.46
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	5	1.46
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	5	1.46
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	3	1.46
(1,739)	1:82:A:LYS:HD2	1:84:A:ILE:H	8	1.46
(1,739)	1:82:A:LYS:HD3	1:84:A:ILE:H	8	1.46
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	13	1.46
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	19	1.45
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	19	1.45
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	19	1.45
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	19	1.45
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	19	1.45
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	19	1.45
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	19	1.45
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	19	1.45
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	19	1.45
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	8	1.45
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	8	1.45
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	8	1.45
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	8	1.45
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	8	1.45
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	8	1.45
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	8	1.45
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	8	1.45
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	8	1.45
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	6	1.45
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	6	1.45
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	6	1.45
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	1	1.45
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	1	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	1	1.45
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	12	1.45
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	12	1.45
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	12	1.45
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	12	1.45
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	12	1.45
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	12	1.45
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	20	1.45
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	20	1.45
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	20	1.45
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	17	1.45
(1,641)	1:43:A:ILE:HD11	1:53:A:LEU:H	19	1.45
(1,641)	1:43:A:ILE:HD12	1:53:A:LEU:H	19	1.45
(1,641)	1:43:A:ILE:HD13	1:53:A:LEU:H	19	1.45
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	3	1.45
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	1	1.45
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	8	1.45
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	17	1.45
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	17	1.45
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	17	1.45
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	3	1.45
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	10	1.45
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	7	1.44
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	6	1.44
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	4	1.44
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	11	1.44
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	6	1.44
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	15	1.44
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	15	1.44
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	15	1.44
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	4	1.44
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	4	1.44
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	4	1.44
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	4	1.44
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	4	1.44
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	4	1.44
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	13	1.44
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	2	1.44
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	2	1.44
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	9	1.44
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	7	1.44
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	12	1.44
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	7	1.44
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	20	1.44
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	11	1.44
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	11	1.44
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	11	1.44
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	9	1.44
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	9	1.44
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	9	1.44
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	13	1.44
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	13	1.44
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	13	1.44
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	15	1.44
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	1	1.44
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	2	1.44
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	3	1.43
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	19	1.43
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	19	1.43
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	19	1.43
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	5	1.43
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	5	1.43
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	5	1.43
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	10	1.43
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	11	1.43
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	1	1.43
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	1	1.43
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	1	1.43
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG11	4	1.43
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG12	4	1.43
(1,284)	1:33:A:GLU:H	1:34:A:VAL:HG13	4	1.43
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	1	1.43
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	4	1.43
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	4	1.43
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	20	1.42
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	1	1.42
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	1	1.42
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	1	1.42
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	16	1.42
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	16	1.42
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	16	1.42
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	1	1.42
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	1	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	1	1.42
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	14	1.42
(1,573)	1:82:A:LYS:HD2	1:83:A:LEU:H	8	1.42
(1,573)	1:82:A:LYS:HD3	1:83:A:LEU:H	8	1.42
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	11	1.42
(1,77)	1:82:A:LYS:HD2	1:85:A:GLU:H	13	1.42
(1,77)	1:82:A:LYS:HD3	1:85:A:GLU:H	13	1.42
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	17	1.42
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	17	1.42
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	17	1.42
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	19	1.41
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	5	1.41
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	5	1.41
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	5	1.41
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	17	1.41
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	17	1.41
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	17	1.41
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	14	1.41
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	10	1.41
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	3	1.41
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	4	1.41
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	9	1.41
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	9	1.41
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	9	1.41
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	4	1.41
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	6	1.41
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	14	1.41
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	18	1.41
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	20	1.41
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	18	1.41
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	20	1.4
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	19	1.4
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	15	1.4
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	15	1.4
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	15	1.4
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	9	1.4
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	8	1.4
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	8	1.4
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	8	1.4
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	12	1.4
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	10	1.4
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	20	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	2	1.4
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	20	1.4
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	19	1.4
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	19	1.4
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	12	1.4
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	11	1.39
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	11	1.39
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	11	1.39
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	2	1.39
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	2	1.39
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	2	1.39
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG2	7	1.39
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG3	7	1.39
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	19	1.39
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	6	1.39
(1,927)	1:11:A:ILE:HD11	1:37:A:SER:HB2	12	1.39
(1,927)	1:11:A:ILE:HD12	1:37:A:SER:HB2	12	1.39
(1,927)	1:11:A:ILE:HD13	1:37:A:SER:HB2	12	1.39
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB1	5	1.39
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB2	5	1.39
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB3	5	1.39
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	5	1.39
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	1	1.39
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	20	1.39
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	5	1.39
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	20	1.39
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	10	1.39
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	11	1.39
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	2	1.39
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	20	1.39
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	1	1.39
(2,14)	1:14:A:ARG:O	1:16:A:LEU:H	12	1.38
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	12	1.38
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	20	1.38
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	20	1.38
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	20	1.38
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	7	1.38
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	7	1.38
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	7	1.38
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	8	1.38
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	8	1.38
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	19	1.38
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	19	1.38
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	11	1.38
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	4	1.38
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	1	1.38
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	5	1.38
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	6	1.38
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	17	1.38
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	17	1.38
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	18	1.38
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	5	1.38
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	1	1.37
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	4	1.37
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	2	1.37
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	3	1.37
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	3	1.37
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	3	1.37
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	5	1.37
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	5	1.37
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	5	1.37
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	2	1.37
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	2	1.37
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	2	1.37
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	2	1.37
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	2	1.37
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	2	1.37
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	20	1.37
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	20	1.37
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	20	1.37
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	13	1.37
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	13	1.37
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	13	1.37
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	13	1.37
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	13	1.37
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	13	1.37
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	15	1.37
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	15	1.37
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	15	1.37
(1,902)	1:31:A:VAL:HA	1:34:A:VAL:HB	12	1.37
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	12	1.37
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	5	1.37
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	9	1.37
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	15	1.37
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	1	1.37
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	5	1.37
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	12	1.36
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	18	1.36
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	20	1.36
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	9	1.36
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	9	1.36
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	9	1.36
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	9	1.36
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	9	1.36
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	9	1.36
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	9	1.36
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	9	1.36
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	9	1.36
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	4	1.36
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	4	1.36
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	4	1.36
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	4	1.36
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	4	1.36
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	4	1.36
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	4	1.36
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	4	1.36
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	4	1.36
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	15	1.36
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	15	1.36
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	15	1.36
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	15	1.36
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	15	1.36
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	15	1.36
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	15	1.36
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	15	1.36
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	15	1.36
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	9	1.36
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	9	1.36
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	9	1.36
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	14	1.36
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	14	1.36
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	14	1.36
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	6	1.36
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	6	1.36
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	9	1.36
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	9	1.36
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	9	1.36
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	17	1.36
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	2	1.36
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	20	1.36
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	15	1.36
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	15	1.36
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	15	1.36
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	6	1.36
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	19	1.36
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	19	1.36
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	8	1.35
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	13	1.35
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	1	1.35
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	2	1.35
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	2	1.35
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	2	1.35
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	17	1.35
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	17	1.35
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	17	1.35
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	13	1.35
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	13	1.35
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	13	1.35
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	13	1.35
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	13	1.35
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	13	1.35
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	19	1.35
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	3	1.35
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	3	1.35
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	3	1.35
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	7	1.35
(1,739)	1:82:A:LYS:HD2	1:84:A:ILE:H	13	1.35
(1,739)	1:82:A:LYS:HD3	1:84:A:ILE:H	13	1.35
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	11	1.35
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	2	1.35
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	19	1.35
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	19	1.35
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	19	1.35
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	19	1.35
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	19	1.35
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	19	1.35
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	9	1.35
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	8	1.35
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	14	1.34
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	3	1.34
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	6	1.34
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	6	1.34
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	6	1.34
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	18	1.34
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	18	1.34
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	18	1.34
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	19	1.34
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	19	1.34
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	19	1.34
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	13	1.34
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	13	1.34
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	13	1.34
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG21	1	1.34
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG22	1	1.34
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG23	1	1.34
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG21	13	1.34
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG22	13	1.34
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG23	13	1.34
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	12	1.34
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	12	1.34
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	12	1.34
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	14	1.34
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	14	1.34
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	14	1.34
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	16	1.34
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	16	1.34
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	15	1.34
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	15	1.34
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	18	1.34
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	4	1.34
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	4	1.34
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	4	1.34
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	6	1.33
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	10	1.33
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	14	1.33
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	3	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	14	1.33
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	14	1.33
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	14	1.33
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	5	1.33
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	5	1.33
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	5	1.33
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	9	1.33
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	9	1.33
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	9	1.33
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	20	1.33
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	1	1.33
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	1	1.33
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	1	1.33
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	19	1.33
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	13	1.33
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	2	1.33
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	1	1.33
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	16	1.33
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	16	1.33
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	16	1.33
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	2	1.33
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	18	1.33
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	18	1.33
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	18	1.33
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	3	1.33
(1,1434)	1:43:A:ILE:HG21	1:48:A:LEU:HG	5	1.32
(1,1434)	1:43:A:ILE:HG22	1:48:A:LEU:HG	5	1.32
(1,1434)	1:43:A:ILE:HG23	1:48:A:LEU:HG	5	1.32
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	14	1.32
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	14	1.32
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	14	1.32
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	4	1.32
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	4	1.32
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	4	1.32
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	11	1.32
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	11	1.32
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	11	1.32
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	11	1.32
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	11	1.32
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	11	1.32
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	11	1.32
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	11	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	11	1.32
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	11	1.32
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	11	1.32
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	11	1.32
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	11	1.32
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	11	1.32
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	11	1.32
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	8	1.32
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	3	1.32
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	9	1.32
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	7	1.32
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	14	1.32
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	14	1.32
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	5	1.32
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	9	1.32
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	18	1.32
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	2	1.32
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	2	1.32
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	2	1.32
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	15	1.32
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	15	1.32
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	15	1.32
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	10	1.32
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	1	1.32
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	1	1.32
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	15	1.32
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	15	1.32
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	15	1.32
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	16	1.32
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	1	1.32
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	1	1.32
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	1	1.32
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	1	1.32
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	1	1.32
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	1	1.32
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	17	1.31
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	19	1.31
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	1	1.31
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	12	1.31
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	12	1.31
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	12	1.31
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	5	1.31
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	5	1.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	1	1.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	1	1.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	9	1.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	9	1.31
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	20	1.31
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	20	1.31
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	20	1.31
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	8	1.31
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	10	1.31
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	19	1.31
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	19	1.31
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	16	1.31
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	16	1.31
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	16	1.31
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	15	1.31
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	10	1.31
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	6	1.31
(2,46)	1:57:A:ILE:O	1:60:A:VAL:H	1	1.3
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	8	1.3
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	8	1.3
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	8	1.3
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	8	1.3
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	8	1.3
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	8	1.3
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	8	1.3
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	8	1.3
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	8	1.3
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	8	1.3
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	7	1.3
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	7	1.3
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	7	1.3
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	8	1.3
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	8	1.3
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	8	1.3
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	9	1.3
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	9	1.3
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	9	1.3
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	4	1.3
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	4	1.3
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	16	1.3
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	19	1.3
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	14	1.3
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	2	1.3
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	7	1.3
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	8	1.3
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	13	1.3
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	14	1.3
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	5	1.3
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	5	1.3
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	5	1.3
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	18	1.3
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	17	1.29
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	20	1.29
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	20	1.29
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	14	1.29
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	14	1.29
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	14	1.29
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	14	1.29
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	14	1.29
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	14	1.29
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	14	1.29
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	14	1.29
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	14	1.29
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	16	1.29
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	16	1.29
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	16	1.29
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	19	1.29
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	19	1.29
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	19	1.29
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	9	1.29
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	9	1.29
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	9	1.29
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	2	1.29
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	17	1.29
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	17	1.29
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	7	1.29
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	7	1.29
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	7	1.29
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	8	1.29
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	9	1.29
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	13	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:7:A:SER:H	1:10:A:GLN:HB2	3	1.29
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	14	1.29
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	3	1.29
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	9	1.29
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	1	1.28
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	15	1.28
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	20	1.28
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	14	1.28
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	14	1.28
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	14	1.28
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	13	1.28
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	13	1.28
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	13	1.28
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	13	1.28
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	13	1.28
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	13	1.28
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	13	1.28
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	13	1.28
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	13	1.28
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	9	1.28
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	9	1.28
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	9	1.28
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	13	1.28
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	13	1.28
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	13	1.28
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG21	3	1.28
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG22	3	1.28
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG23	3	1.28
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG2	6	1.28
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG3	6	1.28
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	19	1.28
(1,658)	1:7:A:SER:H	1:10:A:GLN:HB2	7	1.28
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	1	1.28
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	1	1.28
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	1	1.28
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	3	1.28
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	2	1.28
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	6	1.27
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	3	1.27
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	3	1.27
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	3	1.27
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	10	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	10	1.27
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	10	1.27
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	6	1.27
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	6	1.27
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	6	1.27
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	19	1.27
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	19	1.27
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	19	1.27
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	19	1.27
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	19	1.27
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	19	1.27
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG21	2	1.27
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG22	2	1.27
(1,1223)	1:50:A:GLU:HB2	1:51:A:THR:HG23	2	1.27
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	18	1.27
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	18	1.27
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	14	1.27
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	16	1.27
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	16	1.27
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	16	1.27
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	4	1.27
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	16	1.27
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	14	1.27
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	14	1.27
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	14	1.27
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	10	1.27
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	19	1.27
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	19	1.27
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	20	1.27
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	10	1.27
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	14	1.26
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	14	1.26
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	14	1.26
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	14	1.26
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	10	1.26
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	10	1.26
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	10	1.26
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	2	1.26
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	2	1.26
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	2	1.26
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	8	1.26
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	8	1.26
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	8	1.26
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	8	1.26
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	8	1.26
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	1	1.26
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	15	1.26
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	15	1.26
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	15	1.26
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	15	1.26
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	15	1.26
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	15	1.26
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	8	1.26
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	8	1.26
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	8	1.26
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	17	1.26
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	18	1.26
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	10	1.26
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	10	1.26
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	10	1.26
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	10	1.26
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	10	1.26
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	12	1.26
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	6	1.26
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	17	1.26
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	1	1.25
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	1	1.25
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	1	1.25
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	1	1.25
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	1	1.25
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	1	1.25
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	14	1.25
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	14	1.25
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	14	1.25
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	14	1.25
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	14	1.25
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	14	1.25
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	1	1.25
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	1	1.25
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	1	1.25
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	1	1.25
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	1	1.25
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	1	1.25
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	1	1.25
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	10	1.25
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	1	1.25
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	19	1.25
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	12	1.25
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	5	1.25
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	13	1.25
(1,625)	1:37:A:SER:H	1:39:A:GLU:HG2	3	1.25
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	13	1.25
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	19	1.25
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	1	1.24
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	9	1.24
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	9	1.24
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	9	1.24
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	9	1.24
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	9	1.24
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	9	1.24
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	9	1.24
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	9	1.24
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	9	1.24
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	4	1.24
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	4	1.24
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	4	1.24
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	5	1.24
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	5	1.24
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	5	1.24
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	8	1.24
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	8	1.24
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	8	1.24
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	9	1.24
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	13	1.24
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	11	1.24
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	16	1.24
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	16	1.24
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	13	1.24
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	11	1.24
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	1	1.24
(1,573)	1:82:A:LYS:HD2	1:83:A:LEU:H	13	1.24
(1,573)	1:82:A:LYS:HD3	1:83:A:LEU:H	13	1.24
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	5	1.24
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	14	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	7	1.23
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	7	1.23
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	7	1.23
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	7	1.23
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	7	1.23
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	7	1.23
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	7	1.23
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	2	1.23
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	5	1.23
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	1	1.23
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	8	1.23
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	10	1.23
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	4	1.23
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	20	1.23
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	19	1.23
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	4	1.23
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	4	1.23
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	4	1.23
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	3	1.23
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	13	1.23
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	18	1.23
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	9	1.23
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	12	1.23
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	4	1.23
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	19	1.23
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	2	1.23
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	2	1.23
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	2	1.23
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	2	1.23
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	2	1.23
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	2	1.23
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	4	1.22
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	4	1.22
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	4	1.22
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	17	1.22
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	17	1.22
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	17	1.22
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	6	1.22
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	6	1.22
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	6	1.22
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	6	1.22
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	6	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	6	1.22
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	17	1.22
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	18	1.22
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	18	1.22
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	18	1.22
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	11	1.22
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	11	1.22
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	11	1.22
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	11	1.22
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	11	1.22
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	11	1.22
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	11	1.22
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	11	1.22
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	11	1.22
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	9	1.22
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	3	1.22
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	15	1.22
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	20	1.22
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	15	1.22
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD11	7	1.22
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD12	7	1.22
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD13	7	1.22
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD21	7	1.22
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD22	7	1.22
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD23	7	1.22
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	15	1.22
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	9	1.22
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	6	1.22
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	9	1.22
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG21	12	1.22
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG22	12	1.22
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG23	12	1.22
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	16	1.22
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	16	1.22
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	16	1.22
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	8	1.22
(1,120)	1:89:A:GLN:H	1:91:A:GLU:H	10	1.22
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	11	1.22
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	2	1.21
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	3	1.21
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	16	1.21
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	16	1.21
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	16	1.21
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	16	1.21
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	16	1.21
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	16	1.21
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	16	1.21
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	16	1.21
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	6	1.21
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	6	1.21
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	6	1.21
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	16	1.21
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	16	1.21
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	16	1.21
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	16	1.21
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	16	1.21
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	16	1.21
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	19	1.21
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	19	1.21
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	19	1.21
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	4	1.21
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	4	1.21
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	4	1.21
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	4	1.21
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	18	1.21
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	20	1.21
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	6	1.21
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	19	1.21
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	17	1.21
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	9	1.21
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	11	1.21
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	11	1.21
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	11	1.21
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	14	1.21
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	14	1.21
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	14	1.21
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	15	1.21
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	5	1.2
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	16	1.2
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	8	1.2
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	13	1.2
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	16	1.2
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	10	1.2
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	10	1.2
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	10	1.2
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	10	1.2
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	10	1.2
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	10	1.2
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	10	1.2
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	10	1.2
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	10	1.2
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	10	1.2
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	10	1.2
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	19	1.2
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	19	1.2
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	19	1.2
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	14	1.2
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	14	1.2
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	14	1.2
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	14	1.2
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	14	1.2
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	14	1.2
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	5	1.2
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	5	1.2
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	5	1.2
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	20	1.2
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	20	1.2
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	20	1.2
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	4	1.2
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	5	1.2
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	14	1.2
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	15	1.2
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	16	1.2
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	19	1.2
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	10	1.2
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	4	1.2
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	4	1.2
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD2	16	1.2
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD3	16	1.2
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	12	1.2
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	20	1.2
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	5	1.19
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	9	1.19
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	15	1.19
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	16	1.19
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	18	1.19
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	18	1.19
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	18	1.19
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	18	1.19
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	18	1.19
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	18	1.19
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	18	1.19
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	18	1.19
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	18	1.19
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	18	1.19
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	18	1.19
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	18	1.19
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	18	1.19
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	18	1.19
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	18	1.19
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	18	1.19
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	18	1.19
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	18	1.19
(1,1361)	1:29:A:VAL:HG21	1:30:A:ALA:HA	7	1.19
(1,1361)	1:29:A:VAL:HG22	1:30:A:ALA:HA	7	1.19
(1,1361)	1:29:A:VAL:HG23	1:30:A:ALA:HA	7	1.19
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	19	1.19
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	19	1.19
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	19	1.19
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	9	1.19
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	13	1.19
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	17	1.19
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	20	1.19
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	2	1.19
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	2	1.19
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	12	1.19
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	18	1.19
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	17	1.19
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	17	1.19
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	7	1.19
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	7	1.18
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	5	1.18
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	7	1.18
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	7	1.18
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	5	1.18
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	16	1.18
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	13	1.18
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	20	1.18
(1,902)	1:31:A:VAL:HA	1:34:A:VAL:HB	16	1.18
(1,825)	1:8:A:PRO:HA	1:44:A:THR:H	18	1.18
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	4	1.18
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	1	1.18
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	6	1.18
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	2	1.18
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	16	1.18
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	11	1.17
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	11	1.17
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	14	1.17
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	5	1.17
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	9	1.17
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	18	1.17
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	6	1.17
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	6	1.17
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	15	1.17
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	15	1.17
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	5	1.17
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	12	1.17
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	12	1.17
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	12	1.17
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	10	1.17
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	10	1.17
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	10	1.17
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	11	1.17
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	11	1.17
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	11	1.17
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	4	1.17
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	4	1.17
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	4	1.17
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	4	1.17
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	4	1.17
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	4	1.17
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	5	1.17
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	5	1.17
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	5	1.17
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	5	1.17
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	5	1.17
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	20	1.17
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	19	1.17
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	7	1.17
(1,854)	1:22:A:GLN:HE21	1:24:A:ASN:HD21	12	1.17
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	15	1.17
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	13	1.17
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	11	1.17
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	14	1.17
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	19	1.17
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	19	1.17
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	19	1.17
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	19	1.17
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	19	1.17
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	19	1.17
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	19	1.16
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	7	1.16
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	6	1.16
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	12	1.16
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	12	1.16
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	12	1.16
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	12	1.16
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	2	1.16
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	2	1.16
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	2	1.16
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	2	1.16
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	2	1.16
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	2	1.16
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	2	1.16
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	2	1.16
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	2	1.16
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	17	1.16
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	17	1.16
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	17	1.16
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	4	1.16
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	4	1.16
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	4	1.16
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	4	1.16
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	4	1.16
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	4	1.16
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	19	1.16
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	19	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	19	1.16
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	19	1.16
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	19	1.16
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	19	1.16
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	17	1.16
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	10	1.16
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	10	1.16
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	2	1.16
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	14	1.16
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	14	1.16
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	14	1.16
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	3	1.16
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	6	1.16
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	18	1.16
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	14	1.16
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	2	1.16
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	3	1.16
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	3	1.16
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	3	1.16
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	3	1.16
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	3	1.16
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	3	1.16
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	6	1.16
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	9	1.16
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	6	1.16
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	5	1.16
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	7	1.16
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	7	1.16
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	7	1.16
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	6	1.15
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	16	1.15
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	15	1.15
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	10	1.15
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	10	1.15
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	10	1.15
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	8	1.15
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	8	1.15
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	8	1.15
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	6	1.15
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	6	1.15
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	6	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	2	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	2	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	2	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	2	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	2	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	6	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	6	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	6	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	6	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	6	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	6	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	19	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	19	1.15
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	19	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	19	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	19	1.15
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	19	1.15
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	19	1.15
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	17	1.15
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	3	1.15
(1,927)	1:11:A:ILE:HD11	1:37:A:SER:HB2	18	1.15
(1,927)	1:11:A:ILE:HD12	1:37:A:SER:HB2	18	1.15
(1,927)	1:11:A:ILE:HD13	1:37:A:SER:HB2	18	1.15
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	7	1.15
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	7	1.15
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	7	1.15
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	7	1.15
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	7	1.15
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	19	1.15
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	14	1.15
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	5	1.15
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	8	1.14
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	20	1.14
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	2	1.14
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	8	1.14
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	1	1.14
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	11	1.14
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	3	1.14
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	16	1.14
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	20	1.14
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	20	1.14
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	7	1.14
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	7	1.14
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	7	1.14
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	7	1.14
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	7	1.14
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	7	1.14
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	13	1.14
(1,1065)	1:18:A:ALA:HA	1:26:A:ARG:HB2	18	1.14
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	18	1.14
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	2	1.14
(1,841)	1:5:A:PRO:HB2	1:10:A:GLN:HE21	17	1.14
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB1	6	1.14
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB2	6	1.14
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB3	6	1.14
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	18	1.14
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	4	1.14
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	4	1.14
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	1	1.14
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	6	1.14
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	6	1.14
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	6	1.14
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	14	1.14
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	5	1.14
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	17	1.14
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	5	1.14
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	19	1.14
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	18	1.13
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	20	1.13
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	20	1.13
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	20	1.13
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	9	1.13
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	9	1.13
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	9	1.13
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	9	1.13
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	9	1.13
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	9	1.13
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	9	1.13
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	9	1.13
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	9	1.13
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	13	1.13
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	13	1.13
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	2	1.13
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	2	1.13
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	5	1.13
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	5	1.13
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	13	1.13
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	11	1.13
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	17	1.13
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	15	1.13
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	1	1.13
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	11	1.13
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	8	1.13
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	10	1.13
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	5	1.13
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	8	1.13
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	15	1.12
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	19	1.12
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	11	1.12
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	18	1.12
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	18	1.12
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	18	1.12
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	5	1.12
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	5	1.12
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	5	1.12
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	13	1.12
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	13	1.12
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	13	1.12
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	3	1.12
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	3	1.12
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	3	1.12
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	5	1.12
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	8	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	9	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	9	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	9	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	9	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	9	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	9	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	17	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	17	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	17	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	17	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	17	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	20	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	20	1.12
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	20	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	20	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	20	1.12
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	20	1.12
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	1	1.12
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	1	1.12
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	1	1.12
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	13	1.12
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	2	1.12
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	1	1.12
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	12	1.12
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	15	1.12
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	8	1.12
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	6	1.12
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	14	1.12
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	20	1.12
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	20	1.12
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	20	1.12
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	6	1.12
(1,77)	1:82:A:LYS:HD2	1:85:A:GLU:H	8	1.12
(1,77)	1:82:A:LYS:HD3	1:85:A:GLU:H	8	1.12
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	13	1.11
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	10	1.11
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	20	1.11
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	10	1.11
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	9	1.11
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	5	1.11
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	2	1.11
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	9	1.11
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	18	1.11
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	15	1.11
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	15	1.11
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	15	1.11
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	9	1.11
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	9	1.11
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	9	1.11
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	19	1.11
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	8	1.11
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	18	1.11
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	18	1.11
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	13	1.1
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	14	1.1
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	19	1.1
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	17	1.1
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	11	1.1
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	11	1.1
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	11	1.1
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	11	1.1
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	11	1.1
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	11	1.1
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	11	1.1
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	11	1.1
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	11	1.1
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	3	1.1
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	3	1.1
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	3	1.1
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	8	1.1
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	8	1.1
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	8	1.1
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	8	1.1
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	8	1.1
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	8	1.1
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	16	1.1
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	10	1.1
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	10	1.1
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	10	1.1
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	10	1.1
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	10	1.1
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	10	1.1
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	11	1.1
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	17	1.1
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	17	1.1
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	17	1.1
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	11	1.1
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	8	1.1
(1,990)	1:81:A:GLN:HA	1:84:A:ILE:HD11	11	1.1
(1,990)	1:81:A:GLN:HA	1:84:A:ILE:HD12	11	1.1
(1,990)	1:81:A:GLN:HA	1:84:A:ILE:HD13	11	1.1
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	19	1.1
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	5	1.1
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	12	1.1
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	8	1.1
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	13	1.1
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	2	1.1
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	16	1.1
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	6	1.1
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	10	1.1
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	20	1.1
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	5	1.1
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	13	1.1
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	11	1.09
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	20	1.09
(1,1504)	1:43:A:ILE:HG21	1:80:A:TRP:HE3	15	1.09
(1,1504)	1:43:A:ILE:HG22	1:80:A:TRP:HE3	15	1.09
(1,1504)	1:43:A:ILE:HG23	1:80:A:TRP:HE3	15	1.09
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	7	1.09
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	17	1.09
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	17	1.09
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	17	1.09
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	17	1.09
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	17	1.09
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	17	1.09
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	17	1.09
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	17	1.09
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	17	1.09
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	17	1.09
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	17	1.09
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	17	1.09
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	17	1.09
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	17	1.09
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	17	1.09
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	17	1.09
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	17	1.09
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	17	1.09
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	6	1.09
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	6	1.09
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	6	1.09
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	6	1.09
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	6	1.09
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	6	1.09
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	6	1.09
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	6	1.09
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	6	1.09
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	6	1.09
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	6	1.09
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	6	1.09
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	6	1.09
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	6	1.09
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	6	1.09
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	6	1.09
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	6	1.09
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	13	1.09
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	13	1.09
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	13	1.09
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	7	1.09
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	8	1.09
(1,931)	1:50:A:GLU:HB2	1:51:A:THR:HA	9	1.09
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	11	1.09
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	13	1.09
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	17	1.09
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	1	1.09
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	1	1.09
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	1	1.09
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	1	1.09
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	1	1.09
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	1	1.09
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	9	1.09
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	18	1.09
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	17	1.09
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	17	1.09
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	17	1.09
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	8	1.09
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	1	1.09
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	1	1.09
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	1	1.09
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	1	1.09
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	1	1.09
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	1	1.09
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	12	1.08
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	9	1.08
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	10	1.08
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	11	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	3	1.08
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	3	1.08
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	3	1.08
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	3	1.08
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	3	1.08
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	3	1.08
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	9	1.08
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	9	1.08
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	9	1.08
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	9	1.08
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	9	1.08
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	9	1.08
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	9	1.08
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	9	1.08
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	9	1.08
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	14	1.08
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	14	1.08
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	14	1.08
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	14	1.08
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	14	1.08
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	14	1.08
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	1	1.08
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	1	1.08
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	1	1.08
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	3	1.08
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	3	1.08
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	3	1.08
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	3	1.08
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	3	1.08
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	3	1.08
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	5	1.08
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	5	1.08
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	3	1.08
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	3	1.08
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	3	1.08
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	3	1.08
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	3	1.08
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	3	1.08
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	14	1.08
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	14	1.08
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	14	1.08
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	15	1.08
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	19	1.08
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	3	1.08
(1,929)	1:11:A:ILE:HG21	1:37:A:SER:HB2	18	1.08
(1,929)	1:11:A:ILE:HG22	1:37:A:SER:HB2	18	1.08
(1,929)	1:11:A:ILE:HG23	1:37:A:SER:HB2	18	1.08
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	4	1.08
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	8	1.08
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	20	1.08
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	6	1.08
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	11	1.08
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	2	1.07
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	1	1.07
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	12	1.07
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	6	1.07
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	18	1.07
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	18	1.07
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	18	1.07
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	7	1.07
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	7	1.07
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	7	1.07
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	4	1.07
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	4	1.07
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	4	1.07
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	4	1.07
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	4	1.07
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	4	1.07
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	4	1.07
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	4	1.07
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	4	1.07
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	8	1.07
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	8	1.07
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	8	1.07
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	19	1.07
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	19	1.07
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	19	1.07
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	3	1.07
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	7	1.07
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG2	18	1.07
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG3	18	1.07
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	4	1.07
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	14	1.07
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	14	1.07
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	14	1.07
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	7	1.07
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	7	1.07
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	7	1.07
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	6	1.07
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	14	1.07
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	14	1.07
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	14	1.07
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	14	1.07
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	14	1.07
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	14	1.07
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	13	1.07
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	14	1.07
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	14	1.07
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	14	1.07
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	14	1.07
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	14	1.07
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	14	1.07
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	16	1.07
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	9	1.07
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	12	1.07
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	7	1.07
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	3	1.06
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	2	1.06
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	8	1.06
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	19	1.06
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	13	1.06
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	10	1.06
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	13	1.06
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	13	1.06
(1,1502)	1:77:A:LEU:HG	1:80:A:TRP:HE3	11	1.06
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	4	1.06
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	4	1.06
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	4	1.06
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	1	1.06
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	1	1.06
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	1	1.06
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	1	1.06
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	1	1.06
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	1	1.06
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	1	1.06
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	1	1.06
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	1	1.06
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	1	1.06
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	1	1.06
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	1	1.06
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	1	1.06
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	1	1.06
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	1	1.06
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	1	1.06
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	1	1.06
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	1	1.06
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	1	1.06
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	1	1.06
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	1	1.06
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	1	1.06
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	1	1.06
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	1	1.06
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	1	1.06
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	1	1.06
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	1	1.06
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	1	1.06
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	1	1.06
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	1	1.06
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	1	1.06
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	1	1.06
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	1	1.06
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	1	1.06
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	1	1.06
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	2	1.06
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	2	1.06
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	2	1.06
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	2	1.06
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	2	1.06
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	2	1.06
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	16	1.06
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	8	1.06
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	17	1.06
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	13	1.06
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	11	1.06
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	16	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	16	1.06
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	16	1.06
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	6	1.06
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	9	1.06
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	20	1.06
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	15	1.06
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	12	1.06
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	12	1.06
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	12	1.06
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	6	1.06
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	6	1.06
(1,120)	1:89:A:GLN:H	1:91:A:GLU:H	11	1.06
(1,77)	1:82:A:LYS:HD2	1:85:A:GLU:H	1	1.06
(1,77)	1:82:A:LYS:HD3	1:85:A:GLU:H	1	1.06
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	16	1.06
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	18	1.05
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	19	1.05
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	18	1.05
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	18	1.05
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	18	1.05
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	18	1.05
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	18	1.05
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	18	1.05
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	18	1.05
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	18	1.05
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	18	1.05
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	18	1.05
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	18	1.05
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	18	1.05
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	18	1.05
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	18	1.05
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	18	1.05
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	18	1.05
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	18	1.05
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	18	1.05
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	13	1.05
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	13	1.05
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	13	1.05
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	3	1.05
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	3	1.05
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	3	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	10	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	10	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	10	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	10	1.05
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	10	1.05
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD2	18	1.05
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD3	18	1.05
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD2	18	1.05
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD3	18	1.05
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	20	1.05
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	14	1.05
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	14	1.05
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	3	1.05
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	7	1.05
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	20	1.05
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	17	1.05
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	5	1.05
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	11	1.04
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	7	1.04
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	10	1.04
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	14	1.04
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	14	1.04
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG11	7	1.04
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG12	7	1.04
(1,1316)	1:33:A:GLU:HB2	1:34:A:VAL:HG13	7	1.04
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	18	1.04
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	18	1.04
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	18	1.04
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	18	1.04
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	18	1.04
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	18	1.04
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	15	1.04
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD11	10	1.04
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD12	10	1.04
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD13	10	1.04
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD21	10	1.04
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD22	10	1.04
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD23	10	1.04
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	8	1.04
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	9	1.04
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	11	1.04
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	4	1.04
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	6	1.04
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	6	1.04
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	6	1.04
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	6	1.04
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	6	1.04
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	6	1.04
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	11	1.04
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	11	1.04
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	12	1.04
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	11	1.04
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	16	1.03
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	17	1.03
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	17	1.03
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	12	1.03
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	4	1.03
(1,1497)	1:42:A:PRO:HB2	1:80:A:TRP:HH2	3	1.03
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	11	1.03
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	11	1.03
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	11	1.03
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	17	1.03
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	17	1.03
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	17	1.03
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	19	1.03
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	19	1.03
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	19	1.03
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	1	1.03
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	1	1.03
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	1	1.03
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	1	1.03
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	1	1.03
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	1	1.03
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG11	7	1.03
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG12	7	1.03
(1,1163)	1:33:A:GLU:HG2	1:34:A:VAL:HG13	7	1.03
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG11	7	1.03
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG12	7	1.03
(1,1163)	1:33:A:GLU:HG3	1:34:A:VAL:HG13	7	1.03
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	13	1.03
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	10	1.03
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	10	1.03
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	7	1.03
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	17	1.03
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	16	1.03
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	14	1.03
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	17	1.03
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	4	1.03
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	4	1.03
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	12	1.03
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	1	1.02
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	13	1.02
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	11	1.02
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	8	1.02
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	14	1.02
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	5	1.02
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	5	1.02
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	5	1.02
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	5	1.02
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	11	1.02
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	11	1.02
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	11	1.02
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	11	1.02
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	11	1.02
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	11	1.02
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	11	1.02
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	11	1.02
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	11	1.02
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	13	1.02
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	13	1.02
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	13	1.02
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	13	1.02
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	13	1.02
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	13	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	4	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	4	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	4	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	12	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	12	1.02
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	12	1.02
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	17	1.02
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	19	1.02
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	4	1.02
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	5	1.02
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	5	1.02
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	5	1.02
(1,906)	1:34:A:VAL:HA	1:35:A:ILE:HD11	9	1.02
(1,906)	1:34:A:VAL:HA	1:35:A:ILE:HD12	9	1.02
(1,906)	1:34:A:VAL:HA	1:35:A:ILE:HD13	9	1.02
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	10	1.02
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	19	1.02
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	19	1.02
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	4	1.02
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	8	1.02
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	5	1.02
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	5	1.02
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	5	1.02
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	9	1.02
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	14	1.02
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	2	1.02
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	4	1.02
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	18	1.01
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	13	1.01
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	18	1.01
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	16	1.01
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	1	1.01
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	14	1.01
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	12	1.01
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	20	1.01
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	9	1.01
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	20	1.01
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	20	1.01
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	20	1.01
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	6	1.01
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	6	1.01
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	6	1.01
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	18	1.01
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	18	1.01
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	18	1.01
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	10	1.01
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	10	1.01
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	10	1.01
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	11	1.01
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	11	1.01
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD11	18	1.01
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD12	18	1.01
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD13	18	1.01
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD21	18	1.01
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD22	18	1.01
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD23	18	1.01
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	7	1.01
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	4	1.01
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	4	1.01
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	4	1.01
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	1	1.01
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	4	1.01
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	20	1.01
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	1	1.01
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	14	1.01
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	6	1.01
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	8	1.01
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	11	1.01
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	17	1.01
(1,532)	1:39:A:GLU:H	1:40:A:LYS:HG3	3	1.01
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	18	1.01
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	18	1.01
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	18	1.01
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	17	1.01
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	1	1.01
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	2	1.01
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	13	1.01
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	12	1.0
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	3	1.0
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	13	1.0
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	4	1.0
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	17	1.0
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	4	1.0
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	13	1.0
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	5	1.0
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	11	1.0
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	11	1.0
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	11	1.0
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	14	1.0
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	14	1.0
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	14	1.0
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	14	1.0
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	14	1.0
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	8	1.0
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	8	1.0
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	8	1.0
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	8	1.0
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	8	1.0
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	8	1.0
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	14	1.0
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	14	1.0
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	14	1.0
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	14	1.0
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	14	1.0
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	14	1.0
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG2	11	1.0
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG3	11	1.0
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	17	1.0
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	16	1.0
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	11	1.0
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	10	1.0
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	11	1.0
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	8	1.0
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	8	1.0
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	8	1.0
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	8	1.0
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	8	1.0
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	8	1.0
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	17	1.0
(1,468)	1:23:A:SER:H	1:24:A:ASN:HD21	12	1.0
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	15	1.0
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	7	1.0
(1,159)	1:44:A:THR:HB	1:47:A:ALA:H	18	1.0
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	10	1.0
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	8	1.0
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	9	1.0
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	12	0.99
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	5	0.99
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	12	0.99
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	3	0.99
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	4	0.99
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	6	0.99
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	17	0.99
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	16	0.99
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	16	0.99
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG2	14	0.99
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG3	14	0.99
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG2	14	0.99
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG3	14	0.99
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG2	14	0.99
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG3	14	0.99
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	4	0.99
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	4	0.99
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	4	0.99
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	4	0.99
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	4	0.99
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	4	0.99
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	6	0.99
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	13	0.99
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	4	0.99
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	2	0.99
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	8	0.99
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	7	0.99
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB1	20	0.99
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB2	20	0.99
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB3	20	0.99
(1,833)	1:6:A:ALA:HB1	1:10:A:GLN:HE22	12	0.99
(1,833)	1:6:A:ALA:HB2	1:10:A:GLN:HE22	12	0.99
(1,833)	1:6:A:ALA:HB3	1:10:A:GLN:HE22	12	0.99
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	17	0.99
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	13	0.99
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	13	0.99
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	13	0.99
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	13	0.99
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	13	0.99
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	13	0.99
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	17	0.99
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	5	0.99
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	5	0.99
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	5	0.99
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	4	0.99
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	13	0.99
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	8	0.99
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	5	0.99
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	3	0.98
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	17	0.98
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	15	0.98
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	12	0.98
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	18	0.98
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	17	0.98
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	20	0.98
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	18	0.98
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	1	0.98
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	12	0.98
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	12	0.98
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	12	0.98
(1,1325)	1:28:A:MET:HG3	1:32:A:LEU:HD21	15	0.98
(1,1325)	1:28:A:MET:HG3	1:32:A:LEU:HD22	15	0.98
(1,1325)	1:28:A:MET:HG3	1:32:A:LEU:HD23	15	0.98
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	10	0.98
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	10	0.98
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	10	0.98
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	15	0.98
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	15	0.98
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	15	0.98
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	15	0.98
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	15	0.98
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	15	0.98
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	15	0.98
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	15	0.98
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	15	0.98
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD11	7	0.98
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD12	7	0.98
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD13	7	0.98
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD21	7	0.98
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD22	7	0.98
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD23	7	0.98
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	8	0.98
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	8	0.98
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	1	0.98
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	10	0.98
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	5	0.98
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	5	0.98
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	5	0.98
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:51:A:THR:HA	1:52:A:ARG:HB3	11	0.98
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	10	0.98
(1,909)	1:8:A:PRO:HA	1:53:A:LEU:HD11	15	0.98
(1,909)	1:8:A:PRO:HA	1:53:A:LEU:HD12	15	0.98
(1,909)	1:8:A:PRO:HA	1:53:A:LEU:HD13	15	0.98
(1,909)	1:8:A:PRO:HA	1:53:A:LEU:HD21	15	0.98
(1,909)	1:8:A:PRO:HA	1:53:A:LEU:HD22	15	0.98
(1,909)	1:8:A:PRO:HA	1:53:A:LEU:HD23	15	0.98
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	13	0.98
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	18	0.98
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	7	0.98
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	7	0.98
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	7	0.98
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	7	0.98
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	20	0.98
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	11	0.97
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	6	0.97
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	7	0.97
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	2	0.97
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	15	0.97
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	12	0.97
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	12	0.97
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	6	0.97
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	18	0.97
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	18	0.97
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	18	0.97
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	16	0.97
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	16	0.97
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	16	0.97
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	16	0.97
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	16	0.97
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	16	0.97
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	16	0.97
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	16	0.97
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	16	0.97
(1,1386)	1:83:A:LEU:HA	1:84:A:ILE:HG21	9	0.97
(1,1386)	1:83:A:LEU:HA	1:84:A:ILE:HG22	9	0.97
(1,1386)	1:83:A:LEU:HA	1:84:A:ILE:HG23	9	0.97
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	16	0.97
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	16	0.97
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	16	0.97
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	6	0.97
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	6	0.97
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	6	0.97
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	6	0.97
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	6	0.97
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	6	0.97
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	6	0.97
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	6	0.97
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	6	0.97
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	6	0.97
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	6	0.97
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	6	0.97
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	6	0.97
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	6	0.97
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	6	0.97
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	6	0.97
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	6	0.97
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	6	0.97
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	6	0.97
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	6	0.97
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	6	0.97
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	6	0.97
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	6	0.97
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	6	0.97
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	6	0.97
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	6	0.97
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	6	0.97
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	6	0.97
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	6	0.97
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	6	0.97
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	6	0.97
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	6	0.97
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	6	0.97
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	6	0.97
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	6	0.97
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	3	0.97
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	3	0.97
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	3	0.97
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	3	0.97
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	3	0.97
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	3	0.97
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	11	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	11	0.97
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	11	0.97
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	9	0.97
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	10	0.97
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	10	0.97
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	10	0.97
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	15	0.97
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	8	0.97
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	8	0.97
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD11	12	0.97
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD12	12	0.97
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD13	12	0.97
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD21	12	0.97
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD22	12	0.97
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD23	12	0.97
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	14	0.97
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	12	0.97
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	18	0.97
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	18	0.97
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	18	0.97
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	19	0.97
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	13	0.97
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	13	0.97
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	13	0.97
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	17	0.97
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	17	0.97
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	17	0.97
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	6	0.97
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	6	0.97
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	6	0.97
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	1	0.97
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	8	0.97
(1,285)	1:66:A:ASN:HB2	1:70:A:ALA:H	13	0.97
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	2	0.96
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	17	0.96
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	15	0.96
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	12	0.96
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	6	0.96
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	9	0.96
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	18	0.96
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	4	0.96
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	1	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	9	0.96
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	9	0.96
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	9	0.96
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	11	0.96
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	11	0.96
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	11	0.96
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	2	0.96
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	2	0.96
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	2	0.96
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	2	0.96
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	2	0.96
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	2	0.96
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	2	0.96
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	2	0.96
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	2	0.96
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	2	0.96
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	2	0.96
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	2	0.96
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	2	0.96
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	2	0.96
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	2	0.96
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	2	0.96
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	2	0.96
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	2	0.96
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	2	0.96
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	2	0.96
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	2	0.96
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	2	0.96
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	2	0.96
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	2	0.96
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	2	0.96
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	2	0.96
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	2	0.96
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	2	0.96
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	2	0.96
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	2	0.96
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	2	0.96
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	2	0.96
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	2	0.96
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	2	0.96
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	2	0.96
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	2	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	2	0.96
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	2	0.96
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	2	0.96
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	2	0.96
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	2	0.96
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	2	0.96
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	2	0.96
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	2	0.96
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	2	0.96
(1,1263)	1:45:A:LYS:HA	1:48:A:LEU:HG	4	0.96
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	18	0.96
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	5	0.96
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	14	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD11	18	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD12	18	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD13	18	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD21	18	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD22	18	0.96
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD23	18	0.96
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	8	0.96
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	7	0.96
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	10	0.96
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	10	0.96
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	10	0.96
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	7	0.96
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	17	0.96
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	17	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	3	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	3	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	3	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	3	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	3	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	3	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	6	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	6	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	6	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	6	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	6	0.96
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	6	0.96
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	7	0.96
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	11	0.96
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	15	0.96
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	10	0.96
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	11	0.96
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	17	0.96
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	18	0.95
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	5	0.95
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	11	0.95
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	6	0.95
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	18	0.95
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	12	0.95
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	14	0.95
(1,1500)	1:56:A:LEU:HD11	1:80:A:TRP:HE3	11	0.95
(1,1500)	1:56:A:LEU:HD12	1:80:A:TRP:HE3	11	0.95
(1,1500)	1:56:A:LEU:HD13	1:80:A:TRP:HE3	11	0.95
(1,1500)	1:56:A:LEU:HD21	1:80:A:TRP:HE3	11	0.95
(1,1500)	1:56:A:LEU:HD22	1:80:A:TRP:HE3	11	0.95
(1,1500)	1:56:A:LEU:HD23	1:80:A:TRP:HE3	11	0.95
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	10	0.95
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	10	0.95
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	10	0.95
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	1	0.95
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	4	0.95
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	3	0.95
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	20	0.95
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	11	0.95
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	8	0.95
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	8	0.95
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	19	0.95
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	19	0.95
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	19	0.95
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	20	0.95
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	4	0.95
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	20	0.95
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	17	0.95
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	13	0.95
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	2	0.95
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	1	0.95
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	3	0.95
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	1	0.94
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	19	0.94
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	3	0.94
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	13	0.94
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	14	0.94
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	16	0.94
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	6	0.94
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	10	0.94
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	13	0.94
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	13	0.94
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	13	0.94
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	13	0.94
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	13	0.94
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	13	0.94
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	13	0.94
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	13	0.94
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	13	0.94
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	13	0.94
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	13	0.94
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	13	0.94
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	13	0.94
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	13	0.94
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	13	0.94
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	13	0.94
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	13	0.94
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	13	0.94
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	11	0.94
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	11	0.94
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	11	0.94
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	17	0.94
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	17	0.94
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	17	0.94
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	10	0.94
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	10	0.94
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	10	0.94
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	18	0.94
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	18	0.94
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	18	0.94
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	18	0.94
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	18	0.94
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	18	0.94
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	9	0.94
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	9	0.94
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	9	0.94
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	9	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	9	0.94
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	9	0.94
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	3	0.94
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	6	0.94
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	6	0.94
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	6	0.94
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	6	0.94
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	6	0.94
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	6	0.94
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	13	0.94
(1,1161)	1:33:A:GLU:HG2	1:36:A:SER:HB3	16	0.94
(1,1161)	1:33:A:GLU:HG3	1:36:A:SER:HB3	16	0.94
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	14	0.94
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG2	7	0.94
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG3	7	0.94
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	2	0.94
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	11	0.94
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	14	0.94
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	11	0.94
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	11	0.94
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	11	0.94
(1,658)	1:7:A:SER:H	1:10:A:GLN:HB2	2	0.94
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	5	0.94
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD2	16	0.94
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD3	16	0.94
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	2	0.94
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	3	0.94
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	7	0.94
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	18	0.94
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	19	0.94
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	20	0.93
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	11	0.93
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	1	0.93
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	2	0.93
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	7	0.93
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	14	0.93
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	15	0.93
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	15	0.93
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	15	0.93
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	15	0.93
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	15	0.93
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	15	0.93
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	15	0.93
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	15	0.93
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	15	0.93
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	15	0.93
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	15	0.93
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	15	0.93
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	15	0.93
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	15	0.93
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	15	0.93
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	15	0.93
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	15	0.93
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	15	0.93
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	15	0.93
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	15	0.93
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	15	0.93
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	15	0.93
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	15	0.93
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	15	0.93
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	15	0.93
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	15	0.93
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	19	0.93
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	19	0.93
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	19	0.93
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	1	0.93
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	1	0.93
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	1	0.93
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	1	0.93
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	1	0.93
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	1	0.93
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	11	0.93
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	11	0.93
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	11	0.93
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	11	0.93
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	11	0.93
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	11	0.93
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	12	0.93
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	16	0.93
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	15	0.93
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	18	0.93
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	9	0.93
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	13	0.93
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	12	0.93
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	3	0.93
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	1	0.92
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	13	0.92
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	6	0.92
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	17	0.92
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	11	0.92
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	10	0.92
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	18	0.92
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	9	0.92
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	16	0.92
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	16	0.92
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	16	0.92
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	7	0.92
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	7	0.92
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	7	0.92
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	7	0.92
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	7	0.92
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	7	0.92
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	7	0.92
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	7	0.92
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	7	0.92
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	11	0.92
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	11	0.92
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	11	0.92
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	2	0.92
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	17	0.92
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	14	0.92
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	13	0.92
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	13	0.92
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	13	0.92
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	15	0.92
(1,827)	1:22:A:GLN:HE21	1:24:A:ASN:HD22	12	0.92
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	6	0.92
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	5	0.92
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	16	0.92
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	16	0.92
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	10	0.92
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	10	0.92
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	10	0.92
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	2	0.92
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	2	0.92
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	2	0.92
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	2	0.92
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	2	0.92
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	2	0.92
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	20	0.92
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	1	0.92
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	20	0.91
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	1	0.91
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	1	0.91
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	1	0.91
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	15	0.91
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	15	0.91
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	15	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	10	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	10	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	10	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	10	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	10	0.91
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	10	0.91
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD2	3	0.91
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD3	3	0.91
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD2	3	0.91
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD3	3	0.91
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG2	18	0.91
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG3	18	0.91
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	6	0.91
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	6	0.91
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	6	0.91
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	6	0.91
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	6	0.91
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	6	0.91
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	3	0.91
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	3	0.91
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	3	0.91
(1,1027)	1:19:A:ILE:HA	1:26:A:ARG:HA	8	0.91
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	8	0.91
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	6	0.91
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	7	0.91
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	15	0.91
(1,742)	1:25:A:ILE:HD11	1:63:A:LYS:H	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:25:A:ILE:HD12	1:63:A:LYS:H	17	0.91
(1,742)	1:25:A:ILE:HD13	1:63:A:LYS:H	17	0.91
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	3	0.91
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	3	0.91
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	12	0.91
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	19	0.91
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	18	0.91
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	5	0.91
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	20	0.9
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	5	0.9
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	14	0.9
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	10	0.9
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	9	0.9
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	7	0.9
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	3	0.9
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	5	0.9
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	7	0.9
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	15	0.9
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	17	0.9
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	2	0.9
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	3	0.9
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	18	0.9
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	2	0.9
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	2	0.9
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	2	0.9
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	2	0.9
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	2	0.9
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	2	0.9
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	2	0.9
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	2	0.9
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	2	0.9
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	13	0.9
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	13	0.9
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	13	0.9
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	13	0.9
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	13	0.9
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	13	0.9
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	13	0.9
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	13	0.9
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	13	0.9
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	1	0.9
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	1	0.9
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD11	9	0.9
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD12	9	0.9
(1,1277)	1:32:A:LEU:HD11	1:35:A:ILE:HD13	9	0.9
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD11	9	0.9
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD12	9	0.9
(1,1277)	1:32:A:LEU:HD12	1:35:A:ILE:HD13	9	0.9
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD11	9	0.9
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD12	9	0.9
(1,1277)	1:32:A:LEU:HD13	1:35:A:ILE:HD13	9	0.9
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	3	0.9
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	3	0.9
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	3	0.9
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	3	0.9
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	3	0.9
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	3	0.9
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	20	0.9
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	15	0.9
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	15	0.9
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	15	0.9
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	18	0.9
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	18	0.9
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	18	0.9
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	7	0.9
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	17	0.9
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	17	0.9
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	5	0.9
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	10	0.9
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	10	0.9
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	10	0.9
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	9	0.9
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	17	0.9
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	17	0.9
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	8	0.89
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	3	0.89
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	7	0.89
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	6	0.89
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	16	0.89
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	1	0.89
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	9	0.89
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	13	0.89
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	13	0.89
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	12	0.89
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	10	0.89
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	1	0.89
(1,1515)	1:82:A:LYS:HG2	1:88:A:HIS:HD2	4	0.89
(1,1515)	1:82:A:LYS:HG3	1:88:A:HIS:HD2	4	0.89
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	18	0.89
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	18	0.89
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	18	0.89
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	18	0.89
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	18	0.89
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	18	0.89
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	18	0.89
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	18	0.89
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	18	0.89
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	20	0.89
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	20	0.89
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	20	0.89
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	5	0.89
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	5	0.89
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	5	0.89
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	5	0.89
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	5	0.89
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	5	0.89
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	5	0.89
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	5	0.89
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	5	0.89
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	6	0.89
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	6	0.89
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	6	0.89
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	6	0.89
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	6	0.89
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	6	0.89
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	6	0.89
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	6	0.89
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	6	0.89
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	18	0.89
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	18	0.89
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	18	0.89
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	3	0.89
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	17	0.89
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	17	0.89
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	13	0.89
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	16	0.89
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	16	0.89
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	16	0.89
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	13	0.89
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	8	0.89
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	8	0.89
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	3	0.89
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	3	0.89
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	3	0.89
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	15	0.89
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	2	0.89
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	2	0.89
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	2	0.89
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	2	0.89
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	2	0.89
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	2	0.89
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	18	0.89
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	10	0.89
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	10	0.89
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	18	0.89
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	18	0.89
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	12	0.89
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	12	0.89
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	12	0.89
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	12	0.89
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	12	0.89
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	12	0.89
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	7	0.89
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	16	0.89
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	7	0.88
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	7	0.88
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	10	0.88
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	2	0.88
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	5	0.88
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	18	0.88
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	12	0.88
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	14	0.88
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	11	0.88
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	13	0.88
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	14	0.88
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	7	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	1	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	1	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	1	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	1	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	1	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	1	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	1	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	1	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	1	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	11	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	11	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	11	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	11	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	11	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	11	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	11	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	11	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	11	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	19	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	19	0.88
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	19	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	19	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	19	0.88
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	19	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	19	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	19	0.88
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	19	0.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	10	0.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	10	0.88
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	10	0.88
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	12	0.88
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	12	0.88
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	12	0.88
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	4	0.88
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	4	0.88
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	4	0.88
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	19	0.88
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	19	0.88
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	19	0.88
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	15	0.88
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	15	0.88
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	4	0.88
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	20	0.88
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	20	0.88
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	20	0.88
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	20	0.88
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	20	0.88
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	20	0.88
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	15	0.88
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	9	0.88
(1,1003)	1:69:A:LEU:HA	1:72:A:ARG:HB3	15	0.88
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	7	0.88
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	3	0.88
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	3	0.88
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	3	0.88
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	11	0.88
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	11	0.88
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	11	0.88
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	14	0.88
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	13	0.88
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	20	0.88
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	2	0.88
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	4	0.88
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	4	0.88
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	4	0.88
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	17	0.87
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	2	0.87
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	17	0.87
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	20	0.87
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	10	0.87
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	16	0.87
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	11	0.87
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	4	0.87
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	5	0.87
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	5	0.87
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	5	0.87
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	5	0.87
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	5	0.87
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	5	0.87
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	5	0.87
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	5	0.87
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	5	0.87
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	5	0.87
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	5	0.87
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	8	0.87
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	8	0.87
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	8	0.87
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	1	0.87
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	1	0.87
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	1	0.87
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	1	0.87
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	1	0.87
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	1	0.87
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	12	0.87
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	2	0.87
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	2	0.87
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	9	0.87
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	14	0.87
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	18	0.87
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	5	0.87
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	5	0.87
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	5	0.87
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	18	0.87
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	18	0.87
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	18	0.87
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	14	0.87
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	14	0.87
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	14	0.87
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	11	0.87
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	3	0.87
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	2	0.87
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	16	0.87
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	16	0.87
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	16	0.86
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	5	0.86
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	19	0.86
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	15	0.86
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	4	0.86
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	14	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	3	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	3	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	3	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	3	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	3	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	3	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	3	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	3	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	17	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	17	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	17	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	17	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	17	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	17	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	17	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	17	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	17	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	20	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	20	0.86
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	20	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	20	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	20	0.86
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	20	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	20	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	20	0.86
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	20	0.86
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	9	0.86
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	9	0.86
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	9	0.86
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	8	0.86
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	8	0.86
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	8	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	10	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	10	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	10	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	10	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	10	0.86
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	11	0.86
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	14	0.86
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	14	0.86
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	14	0.86
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	1	0.86
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	1	0.86
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	1	0.86
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	1	0.86
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	1	0.86
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	1	0.86
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	10	0.86
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	18	0.86
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	18	0.86
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	18	0.86
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	2	0.86
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	7	0.86
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	14	0.86
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	5	0.86
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	5	0.86
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	5	0.86
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	10	0.86
(1,788)	1:19:A:ILE:H	1:26:A:ARG:H	8	0.86
(1,742)	1:25:A:ILE:HD11	1:63:A:LYS:H	13	0.86
(1,742)	1:25:A:ILE:HD12	1:63:A:LYS:H	13	0.86
(1,742)	1:25:A:ILE:HD13	1:63:A:LYS:H	13	0.86
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	7	0.86
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	16	0.86
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	11	0.86
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	9	0.86
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	9	0.86
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	9	0.86
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	11	0.86
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	4	0.86
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	4	0.85
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	8	0.85
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	4	0.85
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	1	0.85
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	17	0.85
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	10	0.85
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	10	0.85
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	12	0.85
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	12	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	4	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	4	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	4	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	4	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	4	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	4	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	4	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	4	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	4	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	7	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	7	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	7	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	7	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	7	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	7	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	7	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	7	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	7	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	10	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	10	0.85
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	10	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	10	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	10	0.85
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	10	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	10	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	10	0.85
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	10	0.85
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	5	0.85
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	5	0.85
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	5	0.85
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	5	0.85
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	5	0.85
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	5	0.85
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	9	0.85
(1,1066)	1:18:A:ALA:HA	1:26:A:ARG:HB3	20	0.85
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	13	0.85
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	1	0.85
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	11	0.85
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	3	0.85
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	6	0.85
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	1	0.85
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	10	0.85
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	13	0.85
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	5	0.85
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	8	0.85
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	3	0.84
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	17	0.84
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	8	0.84
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	5	0.84
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	19	0.84
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	15	0.84
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	6	0.84
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	18	0.84
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	1	0.84
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	9	0.84
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	9	0.84
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	9	0.84
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG21	4	0.84
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG22	4	0.84
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG23	4	0.84
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	10	0.84
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	10	0.84
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	10	0.84
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	15	0.84
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	15	0.84
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	15	0.84
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	6	0.84
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	6	0.84
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	6	0.84
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	6	0.84
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	6	0.84
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	6	0.84
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	2	0.84
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	2	0.84
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	2	0.84
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	18	0.84
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	17	0.84
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	2	0.84
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	6	0.84
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	6	0.84
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	6	0.84
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	17	0.84
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	17	0.84
(1,959)	1:43:A:ILE:HA	1:80:A:TRP:HZ2	18	0.84
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	6	0.84
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	10	0.84
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	11	0.84
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	6	0.84
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	12	0.84
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	12	0.84
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	12	0.84
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	2	0.84
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	2	0.84
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	2	0.84
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	1	0.84
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	12	0.84
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	18	0.84
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	13	0.84
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	10	0.84
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	12	0.84
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	19	0.84
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	4	0.84
(1,26)	1:43:A:ILE:HG21	1:80:A:TRP:HE1	18	0.84
(1,26)	1:43:A:ILE:HG22	1:80:A:TRP:HE1	18	0.84
(1,26)	1:43:A:ILE:HG23	1:80:A:TRP:HE1	18	0.84
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	6	0.84
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	6	0.84
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	6	0.84
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	6	0.84
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	6	0.84
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	6	0.84
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	11	0.84
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	15	0.83
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	20	0.83
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	5	0.83
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	8	0.83
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	4	0.83
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	9	0.83
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	9	0.83
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	9	0.83
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	18	0.83
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	18	0.83
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	10	0.83
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	10	0.83
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	10	0.83
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	10	0.83
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	10	0.83
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	10	0.83
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	10	0.83
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	10	0.83
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	10	0.83
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	6	0.83
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	6	0.83
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	6	0.83
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	14	0.83
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	14	0.83
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	14	0.83
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD11	16	0.83
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD12	16	0.83
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD13	16	0.83
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	17	0.83
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	20	0.83
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	19	0.83
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	4	0.83
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	4	0.83
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	4	0.83
(1,825)	1:8:A:PRO:HA	1:44:A:THR:H	5	0.83
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	18	0.83
(1,739)	1:82:A:LYS:HD2	1:84:A:ILE:H	1	0.83
(1,739)	1:82:A:LYS:HD3	1:84:A:ILE:H	1	0.83
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	14	0.83
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	12	0.83
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	19	0.83
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	2	0.83
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	2	0.83
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	2	0.83
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	1	0.83
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	1	0.83
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	1	0.83
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	7	0.83
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	16	0.83
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	9	0.83
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	9	0.83
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	14	0.82
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	1	0.82
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	4	0.82
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	5	0.82
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	12	0.82
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	1	0.82
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	16	0.82
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	18	0.82
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	11	0.82
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	3	0.82
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	11	0.82
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	10	0.82
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	10	0.82
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	10	0.82
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG21	13	0.82
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG22	13	0.82
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG23	13	0.82
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG21	13	0.82
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG22	13	0.82
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG23	13	0.82
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG21	13	0.82
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG22	13	0.82
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG23	13	0.82
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG21	13	0.82
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG22	13	0.82
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG23	13	0.82
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG21	13	0.82
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG22	13	0.82
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG23	13	0.82
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG21	13	0.82
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG22	13	0.82
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG23	13	0.82
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	16	0.82
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	16	0.82
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	16	0.82
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	16	0.82
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	16	0.82
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	16	0.82
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	12	0.82
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	12	0.82
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	12	0.82
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	14	0.82
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	15	0.82
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	15	0.82
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	15	0.82
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG2	19	0.82
(1,1122)	1:20:A:ASP:HB2	1:26:A:ARG:HG3	19	0.82
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	15	0.82
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	19	0.82
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	15	0.82
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	18	0.82
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	10	0.82
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	7	0.82
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	9	0.82
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	13	0.82
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	5	0.82
(1,458)	1:20:A:ASP:HA	1:24:A:ASN:HD22	14	0.82
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	7	0.82
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	18	0.82
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	7	0.82
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	7	0.82
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	4	0.81
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	6	0.81
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	5	0.81
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	14	0.81
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	8	0.81
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	11	0.81
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	5	0.81
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	7	0.81
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	15	0.81
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	10	0.81
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	10	0.81
(1,1401)	1:57:A:ILE:HG21	1:81:A:GLN:HE21	4	0.81
(1,1401)	1:57:A:ILE:HG22	1:81:A:GLN:HE21	4	0.81
(1,1401)	1:57:A:ILE:HG23	1:81:A:GLN:HE21	4	0.81
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	5	0.81
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	5	0.81
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	5	0.81
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	3	0.81
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	3	0.81
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	3	0.81
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	9	0.81
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	9	0.81
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD11	13	0.81
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD12	13	0.81
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD13	13	0.81
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD21	13	0.81
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD22	13	0.81
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD23	13	0.81
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD11	13	0.81
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD12	13	0.81
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD13	13	0.81
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD21	13	0.81
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD22	13	0.81
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD23	13	0.81
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	8	0.81
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	16	0.81
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	12	0.81
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	12	0.81
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	12	0.81
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	12	0.81
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	12	0.81
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	12	0.81
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	8	0.81
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	17	0.81
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	17	0.81
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	17	0.81
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	14	0.81
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	14	0.81
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	14	0.81
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	7	0.81
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	9	0.81
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	8	0.81
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	5	0.81
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	5	0.81
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	5	0.81
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	7	0.81
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	1	0.81
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	19	0.81
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	5	0.81
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	11	0.81
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	11	0.81
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	11	0.81
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	9	0.8
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	16	0.8
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	9	0.8
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	1	0.8
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	4	0.8
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	10	0.8
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	10	0.8
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	10	0.8
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	10	0.8
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	10	0.8
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	10	0.8
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	10	0.8
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	10	0.8
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	10	0.8
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	10	0.8
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	12	0.8
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	12	0.8
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	12	0.8
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	12	0.8
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	12	0.8
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	12	0.8
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	12	0.8
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	12	0.8
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	12	0.8
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	12	0.8
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	12	0.8
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	12	0.8
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	12	0.8
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	12	0.8
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	12	0.8
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	12	0.8
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	12	0.8
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	12	0.8
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	7	0.8
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	7	0.8
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	7	0.8
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	15	0.8
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	15	0.8
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	15	0.8
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	15	0.8
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	15	0.8
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	15	0.8
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	15	0.8
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	15	0.8
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	15	0.8
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	15	0.8
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	15	0.8
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	15	0.8
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	15	0.8
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	15	0.8
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	15	0.8
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	15	0.8
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	15	0.8
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	19	0.8
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	19	0.8
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	19	0.8
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	19	0.8
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	19	0.8
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	19	0.8
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	14	0.8
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	14	0.8
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	14	0.8
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	8	0.8
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	8	0.8
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	8	0.8
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	8	0.8
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	8	0.8
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	8	0.8
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	13	0.8
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	13	0.8
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	13	0.8
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	13	0.8
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	13	0.8
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	13	0.8
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	17	0.8
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	17	0.8
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	17	0.8
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	17	0.8
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	17	0.8
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	17	0.8
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	13	0.8
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	13	0.8
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	14	0.8
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	9	0.8
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	15	0.8
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	5	0.8
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	11	0.8
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG21	3	0.8
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG22	3	0.8
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG23	3	0.8
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	9	0.8
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	4	0.8
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	16	0.8
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	18	0.8
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	9	0.8
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	9	0.8
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	9	0.8
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG11	18	0.8
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG12	18	0.8
(1,622)	1:27:A:ASN:H	1:31:A:VAL:HG13	18	0.8
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	12	0.8
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	6	0.8
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	6	0.8
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	6	0.8
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	11	0.8
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	11	0.8
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	14	0.8
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	14	0.8
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	14	0.8
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	14	0.8
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	14	0.8
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	14	0.8
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	13	0.8
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	5	0.79
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	2	0.79
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	8	0.79
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	8	0.79
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	10	0.79
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	18	0.79
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	18	0.79
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	18	0.79
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	20	0.79
(2,26)	1:33:A:GLU:O	1:36:A:SER:H	12	0.79
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	6	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	20	0.79
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	16	0.79
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	18	0.79
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	6	0.79
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	4	0.79
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	3	0.79
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	14	0.79
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	19	0.79
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	19	0.79
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	19	0.79
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	19	0.79
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	19	0.79
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	19	0.79
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	19	0.79
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	19	0.79
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	19	0.79
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	19	0.79
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	19	0.79
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	19	0.79
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	19	0.79
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	19	0.79
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	19	0.79
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	19	0.79
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	19	0.79
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	19	0.79
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	5	0.79
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	5	0.79
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	5	0.79
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	9	0.79
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG2	8	0.79
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG3	8	0.79
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	11	0.79
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	11	0.79
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	20	0.79
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	7	0.79
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	7	0.79
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	7	0.79
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	11	0.79
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	11	0.79
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	11	0.79
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	11	0.79
(1,946)	1:64:A:THR:HA	1:65:A:LYS:HB3	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	15	0.79
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	15	0.79
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	15	0.79
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	3	0.79
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	14	0.79
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	18	0.79
(1,716)	1:22:A:GLN:H	1:24:A:ASN:HB2	12	0.79
(1,658)	1:7:A:SER:H	1:10:A:GLN:HB2	13	0.79
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	1	0.79
(1,500)	1:60:A:VAL:H	1:64:A:THR:HA	4	0.79
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	13	0.79
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	13	0.79
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	1	0.79
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	13	0.79
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	11	0.79
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	11	0.79
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	11	0.79
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	11	0.79
(2,74)	1:79:A:SER:O	1:82:A:LYS:H	9	0.78
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	17	0.78
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	12	0.78
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	3	0.78
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	14	0.78
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	10	0.78
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	2	0.78
(1,1505)	1:43:A:ILE:HD11	1:80:A:TRP:HE3	19	0.78
(1,1505)	1:43:A:ILE:HD12	1:80:A:TRP:HE3	19	0.78
(1,1505)	1:43:A:ILE:HD13	1:80:A:TRP:HE3	19	0.78
(1,1489)	1:42:A:PRO:HG2	1:80:A:TRP:HZ2	9	0.78
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	2	0.78
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	2	0.78
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	2	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	13	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	13	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	13	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	13	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	13	0.78
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	13	0.78
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	3	0.78
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	3	0.78
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	3	0.78
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	3	0.78
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	3	0.78
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	16	0.78
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	16	0.78
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	16	0.78
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	16	0.78
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	16	0.78
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	16	0.78
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	16	0.78
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	16	0.78
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	16	0.78
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	8	0.78
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	8	0.78
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	8	0.78
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	8	0.78
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	19	0.78
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	19	0.78
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	19	0.78
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	19	0.78
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	19	0.78
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	19	0.78
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	1	0.78
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	1	0.78
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	8	0.78
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	16	0.78
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	1	0.78
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	16	0.78
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	4	0.78
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	19	0.78
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	8	0.78
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	14	0.78
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	14	0.78
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	14	0.78
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	8	0.78
(1,606)	1:56:A:LEU:H	1:59:A:ASP:HB2	14	0.78
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	15	0.78
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	15	0.78
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	3	0.78
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	18	0.78
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	14	0.78
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	6	0.78
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	2	0.77
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	6	0.77
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	17	0.77
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	6	0.77
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	10	0.77
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	17	0.77
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	20	0.77
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	15	0.77
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	18	0.77
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD11	3	0.77
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD12	3	0.77
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD13	3	0.77
(1,1442)	1:19:A:ILE:HD11	1:25:A:ILE:HA	2	0.77
(1,1442)	1:19:A:ILE:HD12	1:25:A:ILE:HA	2	0.77
(1,1442)	1:19:A:ILE:HD13	1:25:A:ILE:HA	2	0.77
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	13	0.77
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	13	0.77
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	13	0.77
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	17	0.77
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	17	0.77
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	17	0.77
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	19	0.77
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	19	0.77
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	19	0.77
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	19	0.77
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	19	0.77
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	19	0.77
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	19	0.77
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	19	0.77
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	19	0.77
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	19	0.77
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	19	0.77
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	19	0.77
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	19	0.77
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	19	0.77
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	19	0.77
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	19	0.77
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	19	0.77
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	19	0.77
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	19	0.77
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	19	0.77
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	19	0.77
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	19	0.77
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	19	0.77
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	19	0.77
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	19	0.77
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	19	0.77
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	19	0.77
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	19	0.77
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	19	0.77
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	19	0.77
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	19	0.77
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	19	0.77
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	19	0.77
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	19	0.77
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	19	0.77
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	7	0.77
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	12	0.77
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	19	0.77
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	5	0.77
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	5	0.77
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	5	0.77
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	5	0.77
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	5	0.77
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	5	0.77
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	18	0.77
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	2	0.77
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	2	0.77
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	2	0.77
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	12	0.77
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	12	0.77
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	13	0.77
(1,1036)	1:82:A:LYS:HE2	1:83:A:LEU:HA	1	0.77
(1,1036)	1:82:A:LYS:HE3	1:83:A:LEU:HA	1	0.77
(1,1006)	1:77:A:LEU:HA	1:80:A:TRP:HE3	20	0.77
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	14	0.77
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	7	0.77
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	16	0.77
(1,641)	1:43:A:ILE:HD11	1:53:A:LEU:H	15	0.77
(1,641)	1:43:A:ILE:HD12	1:53:A:LEU:H	15	0.77
(1,641)	1:43:A:ILE:HD13	1:53:A:LEU:H	15	0.77
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	14	0.77
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	20	0.77
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	3	0.76
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	18	0.76
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	2	0.76
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	15	0.76
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	13	0.76
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	11	0.76
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	9	0.76
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	14	0.76
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	3	0.76
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	3	0.76
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	14	0.76
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	18	0.76
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	9	0.76
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	9	0.76
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	9	0.76
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	9	0.76
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	9	0.76
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	9	0.76
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	9	0.76
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	9	0.76
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	9	0.76
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	9	0.76
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	9	0.76
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	9	0.76
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	9	0.76
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	9	0.76
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	9	0.76
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	9	0.76
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	9	0.76
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	9	0.76
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	14	0.76
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	13	0.76
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	13	0.76
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	13	0.76
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	3	0.76
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	13	0.76
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	13	0.76
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	13	0.76
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	6	0.76
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	6	0.76
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	10	0.76
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	6	0.76
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	6	0.76
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	6	0.76
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	15	0.76
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	13	0.76
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	6	0.76
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	6	0.76
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	14	0.76
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	6	0.76
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	8	0.76
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	19	0.76
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	1	0.76
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	13	0.75
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	9	0.75
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	20	0.75
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	14	0.75
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	16	0.75
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	14	0.75
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	19	0.75
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	20	0.75
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	6	0.75
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	2	0.75
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	18	0.75
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	6	0.75
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	19	0.75
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	11	0.75
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	9	0.75
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	12	0.75
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	2	0.75
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	4	0.75
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	16	0.75
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	16	0.75
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	16	0.75
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	11	0.75
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	11	0.75
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	11	0.75
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	17	0.75
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	17	0.75
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	17	0.75
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	13	0.75
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	13	0.75
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	13	0.75
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	13	0.75
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	13	0.75
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	13	0.75
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	13	0.75
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	13	0.75
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	15	0.75
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	15	0.75
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	15	0.75
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	15	0.75
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	15	0.75
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	15	0.75
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	15	0.75
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	15	0.75
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	15	0.75
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	8	0.75
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	8	0.75
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	8	0.75
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	11	0.75
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	11	0.75
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	11	0.75
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	11	0.75
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	11	0.75
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	11	0.75
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	8	0.75
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	8	0.75
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	8	0.75
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	8	0.75
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	8	0.75
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	8	0.75
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	8	0.75
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	8	0.75
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	8	0.75
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	20	0.75
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	7	0.75
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	11	0.75
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	13	0.75
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	10	0.75
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	10	0.75
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	10	0.75
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	10	0.75
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	10	0.75
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	11	0.75
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	11	0.75
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	11	0.75
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	11	0.75
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	11	0.75
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	11	0.75
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	10	0.75
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	10	0.75
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	10	0.75
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	10	0.75
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	10	0.75
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	10	0.75
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	2	0.75
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	6	0.75
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	15	0.75
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	12	0.75
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	9	0.75
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	15	0.75
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	15	0.75
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	15	0.75
(1,892)	1:17:A:GLN:HE22	1:30:A:ALA:H	4	0.75
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	19	0.75
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	19	0.75
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	19	0.75
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	2	0.75
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	17	0.75
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	19	0.75
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	10	0.75
(1,692)	1:55:A:LYS:HA	1:58:A:ASN:HD21	13	0.75
(1,658)	1:7:A:SER:H	1:10:A:GLN:HB2	5	0.75
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	19	0.75
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	19	0.75
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	19	0.75
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	13	0.75
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	13	0.75
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	13	0.75
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	13	0.75
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	13	0.75
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	13	0.75
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG21	5	0.75
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG22	5	0.75
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG23	5	0.75
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	12	0.75
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG11	4	0.75
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG12	4	0.75
(1,322)	1:18:A:ALA:H	1:31:A:VAL:HG13	4	0.75
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	12	0.75
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	9	0.75
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	18	0.75
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	20	0.75
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	11	0.74
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	19	0.74
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	13	0.74
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	17	0.74
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	2	0.74
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	7	0.74
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	2	0.74
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	20	0.74
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	8	0.74
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	7	0.74
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	7	0.74
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	7	0.74
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	7	0.74
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	7	0.74
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	7	0.74
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	7	0.74
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	7	0.74
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	7	0.74
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	3	0.74
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	3	0.74
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	3	0.74
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	3	0.74
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	3	0.74
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	3	0.74
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	3	0.74
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	3	0.74
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	3	0.74
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	8	0.74
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	8	0.74
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	8	0.74
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	3	0.74
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	3	0.74
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	3	0.74
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	3	0.74
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	3	0.74
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	3	0.74
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	3	0.74
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	3	0.74
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	11	0.74
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	11	0.74
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	11	0.74
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	1	0.74
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	1	0.74
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	1	0.74
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	15	0.74
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	15	0.74
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	15	0.74
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	7	0.74
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	19	0.74
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	2	0.74
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	2	0.74
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	2	0.74
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	2	0.74
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	2	0.74
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	2	0.74
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	5	0.74
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	17	0.74
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	7	0.74
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	7	0.74
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	7	0.74
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	7	0.74
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	7	0.74
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	4	0.74
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	10	0.74
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	6	0.74
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	16	0.74
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	16	0.74
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	16	0.74
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	18	0.74
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	18	0.74
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	18	0.74
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	13	0.74
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	13	0.74
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	18	0.74
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	14	0.74
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	14	0.74
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	14	0.74
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	16	0.73
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	14	0.73
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	8	0.73
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	12	0.73
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	13	0.73
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	3	0.73
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	5	0.73
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	16	0.73
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	14	0.73
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	5	0.73
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	5	0.73
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	5	0.73
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	11	0.73
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	11	0.73
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	11	0.73
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	11	0.73
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	11	0.73
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	11	0.73
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	11	0.73
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	11	0.73
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	11	0.73
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	11	0.73
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	11	0.73
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	11	0.73
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	11	0.73
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	11	0.73
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	11	0.73
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	11	0.73
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	11	0.73
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	11	0.73
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	3	0.73
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	7	0.73
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	7	0.73
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	19	0.73
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	19	0.73
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	17	0.73
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	17	0.73
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	1	0.73
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	1	0.73
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	1	0.73
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	19	0.73
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	19	0.73
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG2	10	0.73
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG3	10	0.73
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	8	0.73
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	2	0.73
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	5	0.73
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	8	0.73
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	12	0.73
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	14	0.73
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	1	0.73
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	5	0.73
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	3	0.73
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	10	0.73
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	13	0.73
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	8	0.73
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	8	0.73
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	8	0.73
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	8	0.73
(1,119)	1:82:A:LYS:HG2	1:87:A:ALA:H	10	0.73
(1,119)	1:82:A:LYS:HG3	1:87:A:ALA:H	10	0.73
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	15	0.73
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	1	0.73
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	18	0.73
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	9	0.72
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	15	0.72
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	13	0.72
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	17	0.72
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	10	0.72
(2,45)	1:57:A:ILE:O	1:60:A:VAL:N	1	0.72
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	5	0.72
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	15	0.72
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	17	0.72
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	14	0.72
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	13	0.72
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	16	0.72
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	16	0.72
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	3	0.72
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	3	0.72
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	3	0.72
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	3	0.72
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	3	0.72
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	3	0.72
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	3	0.72
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	3	0.72
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	3	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	4	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	4	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	4	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	4	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	4	0.72
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	4	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	4	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	4	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	4	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	4	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	4	0.72
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	4	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	4	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	4	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	4	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	4	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	4	0.72
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	4	0.72
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	7	0.72
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	7	0.72
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	7	0.72
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	18	0.72
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	18	0.72
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	18	0.72
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	18	0.72
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	18	0.72
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	18	0.72
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	18	0.72
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	18	0.72
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	18	0.72
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	15	0.72
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	15	0.72
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	15	0.72
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	15	0.72
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	15	0.72
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	2	0.72
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	2	0.72
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	2	0.72
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	7	0.72
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	2	0.72
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	2	0.72
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	2	0.72
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	2	0.72
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	2	0.72
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	2	0.72
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	7	0.72
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	11	0.72
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	6	0.72
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	6	0.72
(1,1065)	1:18:A:ALA:HA	1:26:A:ARG:HB2	7	0.72
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	2	0.72
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	2	0.72
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	17	0.72
(1,532)	1:39:A:GLU:H	1:40:A:LYS:HG3	15	0.72
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	3	0.72
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	18	0.72
(1,353)	1:77:A:LEU:HA	1:81:A:GLN:H	11	0.72
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	5	0.72
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	3	0.72
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	2	0.72
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	3	0.72
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	7	0.72
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	13	0.71
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	11	0.71
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	4	0.71
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	20	0.71
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	17	0.71
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	12	0.71
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	4	0.71
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	20	0.71
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	12	0.71
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	17	0.71
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	14	0.71
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	15	0.71
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	15	0.71
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	15	0.71
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	15	0.71
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	15	0.71
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	15	0.71
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	15	0.71
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	15	0.71
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	15	0.71
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	15	0.71
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	15	0.71
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	15	0.71
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	15	0.71
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	15	0.71
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	15	0.71
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	15	0.71
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	15	0.71
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	15	0.71
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	18	0.71
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	18	0.71
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	18	0.71
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG21	14	0.71
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG22	14	0.71
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG23	14	0.71
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	12	0.71
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	12	0.71
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	12	0.71
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	12	0.71
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	12	0.71
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	12	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	11	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	11	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	11	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	11	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	11	0.71
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	11	0.71
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	12	0.71
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	12	0.71
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	5	0.71
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	5	0.71
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	3	0.71
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	3	0.71
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	6	0.71
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	10	0.71
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	9	0.71
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	9	0.71
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	9	0.71
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	9	0.71
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	9	0.71
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	9	0.71
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	11	0.71
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	11	0.71
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	11	0.71
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	8	0.71
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	8	0.71
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	16	0.71
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	19	0.71
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	6	0.71
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	9	0.71
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	19	0.71
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	7	0.71
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	9	0.71
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	4	0.71
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	19	0.71
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	8	0.71
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	8	0.71
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	8	0.71
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	17	0.71
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	15	0.71
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	19	0.71
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	16	0.71
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	14	0.71
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	6	0.7
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	9	0.7
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	20	0.7
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	4	0.7
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	17	0.7
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	10	0.7
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	18	0.7
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	6	0.7
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	3	0.7
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	13	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	1	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	1	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	1	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	1	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	1	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	1	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	1	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	1	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	1	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	12	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	12	0.7
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	12	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	12	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	12	0.7
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	12	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	12	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	12	0.7
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	12	0.7
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	20	0.7
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	12	0.7
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	12	0.7
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	9	0.7
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD11	18	0.7
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD12	18	0.7
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD13	18	0.7
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	13	0.7
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	13	0.7
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	6	0.7
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	6	0.7
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	6	0.7
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	6	0.7
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	20	0.7
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	20	0.7
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	20	0.7
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	12	0.7
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	8	0.7
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	8	0.7
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	8	0.7
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	14	0.7
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	11	0.7
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	14	0.7
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	14	0.7
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	18	0.7
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	15	0.7
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	15	0.7
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	15	0.7
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	15	0.7
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	15	0.7
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	15	0.7
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	15	0.7
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	15	0.7
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	15	0.7
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	3	0.7
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	11	0.7
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	18	0.7
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	16	0.7
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	11	0.7
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	1	0.7
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	3	0.7
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	3	0.7
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	3	0.7
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	3	0.7
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	3	0.7
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	3	0.7
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	12	0.69
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	1	0.69
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	15	0.69
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	16	0.69
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	1	0.69
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	3	0.69
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	4	0.69
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	7	0.69
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	19	0.69
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	18	0.69
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	18	0.69
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	18	0.69
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	7	0.69
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	7	0.69
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	7	0.69
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	17	0.69
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	17	0.69
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	7	0.69
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	7	0.69
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	7	0.69
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	3	0.69
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	3	0.69
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	3	0.69
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	4	0.69
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	4	0.69
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	4	0.69
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	3	0.69
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	3	0.69
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	3	0.69
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	3	0.69
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	3	0.69
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	3	0.69
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	3	0.69
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	3	0.69
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	3	0.69
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	14	0.69
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	14	0.69
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	14	0.69
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	14	0.69
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	14	0.69
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	14	0.69
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	14	0.69
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	14	0.69
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	14	0.69
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	14	0.69
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	14	0.69
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	14	0.69
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	14	0.69
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	14	0.69
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	14	0.69
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	5	0.69
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	5	0.69
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	5	0.69
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	3	0.69
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	3	0.69
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	4	0.69
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	4	0.69
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	4	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	3	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	3	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	5	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	5	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	5	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	7	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	7	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	7	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	19	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	19	0.69
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	19	0.69
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	3	0.69
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	3	0.69
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	3	0.69
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	2	0.69
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	2	0.69
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	5	0.69
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	3	0.69
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	3	0.69
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	2	0.69
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	2	0.69
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	2	0.69
(1,676)	1:58:A:ASN:HD22	1:59:A:ASP:HA	13	0.69
(1,641)	1:43:A:ILE:HD11	1:53:A:LEU:H	13	0.69
(1,641)	1:43:A:ILE:HD12	1:53:A:LEU:H	13	0.69
(1,641)	1:43:A:ILE:HD13	1:53:A:LEU:H	13	0.69
(1,488)	1:9:A:GLN:HA	1:13:A:ASP:H	8	0.69
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	9	0.69
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	9	0.69
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	9	0.69
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	4	0.69
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	8	0.69
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	19	0.69
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	17	0.69
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	4	0.69
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	3	0.69
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	20	0.69
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	8	0.69
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	17	0.68
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	5	0.68
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	9	0.68
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	15	0.68
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	1	0.68
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	5	0.68
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	1	0.68
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	4	0.68
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	6	0.68
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	18	0.68
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	1	0.68
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	13	0.68
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	15	0.68
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	19	0.68
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	1	0.68
(1,1442)	1:19:A:ILE:HD11	1:25:A:ILE:HA	8	0.68
(1,1442)	1:19:A:ILE:HD12	1:25:A:ILE:HA	8	0.68
(1,1442)	1:19:A:ILE:HD13	1:25:A:ILE:HA	8	0.68
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	5	0.68
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	5	0.68
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	5	0.68
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	5	0.68
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	5	0.68
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	5	0.68
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	10	0.68
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	10	0.68
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	10	0.68
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	13	0.68
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	13	0.68
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	13	0.68
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	7	0.68
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	7	0.68
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	7	0.68
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	7	0.68
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	7	0.68
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	7	0.68
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	7	0.68
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	7	0.68
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	7	0.68
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	7	0.68
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	7	0.68
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	7	0.68
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	7	0.68
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	7	0.68
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	7	0.68
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	7	0.68
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	7	0.68
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	18	0.68
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	18	0.68
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	18	0.68
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	2	0.68
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	2	0.68
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	2	0.68
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	2	0.68
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	2	0.68
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	2	0.68
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	2	0.68
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	2	0.68
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	2	0.68
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	15	0.68
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	15	0.68
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	15	0.68
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	3	0.68
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	1	0.68
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	1	0.68
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	1	0.68
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	1	0.68
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	8	0.68
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	8	0.68
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	8	0.68
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	8	0.68
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	8	0.68
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	8	0.68
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	16	0.68
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	18	0.68
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	18	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	2	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	2	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	2	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	10	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	10	0.68
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	10	0.68
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	12	0.68
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	12	0.68
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	12	0.68
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:31:A:VAL:HA	1:34:A:VAL:HB	8	0.68
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	18	0.68
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	18	0.68
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	13	0.68
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	7	0.68
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	7	0.68
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	7	0.68
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	3	0.68
(1,718)	1:22:A:GLN:H	1:24:A:ASN:HD21	12	0.68
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	6	0.68
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	6	0.68
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	6	0.68
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	6	0.68
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	6	0.68
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	6	0.68
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	2	0.68
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	11	0.68
(1,532)	1:39:A:GLU:H	1:40:A:LYS:HG3	4	0.68
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	13	0.68
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	14	0.68
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	14	0.68
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	14	0.68
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	13	0.68
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	7	0.68
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	8	0.68
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	1	0.68
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	1	0.68
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	1	0.68
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	20	0.68
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	20	0.67
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	20	0.67
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	4	0.67
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	13	0.67
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	18	0.67
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	4	0.67
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	7	0.67
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	14	0.67
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	9	0.67
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	1	0.67
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	3	0.67
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	17	0.67
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	1	0.67
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	3	0.67
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	2	0.67
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	1	0.67
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	1	0.67
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	1	0.67
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	15	0.67
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	15	0.67
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	15	0.67
(1,1358)	1:34:A:VAL:HG21	1:35:A:ILE:HD11	9	0.67
(1,1358)	1:34:A:VAL:HG21	1:35:A:ILE:HD12	9	0.67
(1,1358)	1:34:A:VAL:HG21	1:35:A:ILE:HD13	9	0.67
(1,1358)	1:34:A:VAL:HG22	1:35:A:ILE:HD11	9	0.67
(1,1358)	1:34:A:VAL:HG22	1:35:A:ILE:HD12	9	0.67
(1,1358)	1:34:A:VAL:HG22	1:35:A:ILE:HD13	9	0.67
(1,1358)	1:34:A:VAL:HG23	1:35:A:ILE:HD11	9	0.67
(1,1358)	1:34:A:VAL:HG23	1:35:A:ILE:HD12	9	0.67
(1,1358)	1:34:A:VAL:HG23	1:35:A:ILE:HD13	9	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	7	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	7	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	7	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	10	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	10	0.67
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	10	0.67
(1,1249)	1:57:A:ILE:HG12	1:81:A:GLN:HE21	4	0.67
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	3	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD11	8	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD12	8	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD13	8	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD21	8	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD22	8	0.67
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD23	8	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD11	8	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD12	8	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD13	8	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD21	8	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD22	8	0.67
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD23	8	0.67
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG2	16	0.67
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG3	16	0.67
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	3	0.67
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	9	0.67
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	4	0.67
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	18	0.67
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	12	0.67
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	6	0.67
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	16	0.67
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	17	0.67
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	14	0.67
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	17	0.67
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	1	0.67
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	1	0.67
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	1	0.67
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	1	0.67
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	17	0.67
(1,902)	1:31:A:VAL:HA	1:34:A:VAL:HB	18	0.67
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	3	0.67
(1,815)	1:7:A:SER:HA	1:9:A:GLN:HE21	8	0.67
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	19	0.67
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	11	0.67
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	19	0.67
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	17	0.67
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	15	0.67
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	7	0.67
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	5	0.66
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	8	0.66
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	7	0.66
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	19	0.66
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	9	0.66
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	11	0.66
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	5	0.66
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	8	0.66
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	6	0.66
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	8	0.66
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	13	0.66
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	4	0.66
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	12	0.66
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	14	0.66
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	6	0.66
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	8	0.66
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	19	0.66
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	11	0.66
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	9	0.66
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG21	16	0.66
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG22	16	0.66
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG23	16	0.66
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG21	18	0.66
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG22	18	0.66
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG23	18	0.66
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	13	0.66
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	13	0.66
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	13	0.66
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	6	0.66
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	6	0.66
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	6	0.66
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	6	0.66
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	6	0.66
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	6	0.66
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	6	0.66
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	6	0.66
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	6	0.66
(1,1188)	1:16:A:LEU:HD11	1:17:A:GLN:HG3	7	0.66
(1,1188)	1:16:A:LEU:HD12	1:17:A:GLN:HG3	7	0.66
(1,1188)	1:16:A:LEU:HD13	1:17:A:GLN:HG3	7	0.66
(1,1188)	1:16:A:LEU:HD21	1:17:A:GLN:HG3	7	0.66
(1,1188)	1:16:A:LEU:HD22	1:17:A:GLN:HG3	7	0.66
(1,1188)	1:16:A:LEU:HD23	1:17:A:GLN:HG3	7	0.66
(1,1161)	1:33:A:GLU:HG2	1:36:A:SER:HB3	11	0.66
(1,1161)	1:33:A:GLU:HG3	1:36:A:SER:HB3	11	0.66
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	6	0.66
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	6	0.66
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	6	0.66
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	20	0.66
(1,1066)	1:18:A:ALA:HA	1:26:A:ARG:HB3	8	0.66
(1,1006)	1:77:A:LEU:HA	1:80:A:TRP:HE3	13	0.66
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	15	0.66
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	15	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	9	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	9	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	9	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	15	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	15	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	15	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	17	0.66
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	17	0.66
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	12	0.66
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	9	0.66
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	10	0.66
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	20	0.66
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	20	0.66
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	13	0.66
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	13	0.66
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	15	0.66
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	5	0.66
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	13	0.66
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	13	0.66
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	13	0.66
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	12	0.66
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	11	0.66
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	12	0.65
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	6	0.65
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	2	0.65
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	8	0.65
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	16	0.65
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	12	0.65
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	8	0.65
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	10	0.65
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	11	0.65
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	9	0.65
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	13	0.65
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	2	0.65
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	2	0.65
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	2	0.65
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG11	11	0.65
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG12	11	0.65
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG13	11	0.65
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	2	0.65
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	2	0.65
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	2	0.65
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	2	0.65
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	2	0.65
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	2	0.65
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	1	0.65
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	1	0.65
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	1	0.65
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	1	0.65
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	1	0.65
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	14	0.65
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	11	0.65
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	7	0.65
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	7	0.65
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	7	0.65
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	7	0.65
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	7	0.65
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	7	0.65
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	14	0.65
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	14	0.65
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	14	0.65
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	14	0.65
(1,1144)	1:56:A:LEU:HD11	1:59:A:ASP:HB3	18	0.65
(1,1144)	1:56:A:LEU:HD12	1:59:A:ASP:HB3	18	0.65
(1,1144)	1:56:A:LEU:HD13	1:59:A:ASP:HB3	18	0.65
(1,1144)	1:56:A:LEU:HD21	1:59:A:ASP:HB3	18	0.65
(1,1144)	1:56:A:LEU:HD22	1:59:A:ASP:HB3	18	0.65
(1,1144)	1:56:A:LEU:HD23	1:59:A:ASP:HB3	18	0.65
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	15	0.65
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	11	0.65
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	4	0.65
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	4	0.65
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	4	0.65
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	11	0.65
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	11	0.65
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	11	0.65
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	6	0.65
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	17	0.65
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	18	0.65
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	18	0.65
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	18	0.65
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	19	0.65
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	8	0.65
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	12	0.65
(1,689)	1:58:A:ASN:HD22	1:59:A:ASP:H	13	0.65
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	8	0.65
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	8	0.65
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	8	0.65
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	8	0.65
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	8	0.65
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	14	0.65
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	16	0.65
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	1	0.65
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	6	0.65
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	15	0.65
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	5	0.65
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	3	0.65
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	14	0.65
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	17	0.65
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	3	0.65
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	3	0.65
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	3	0.65
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	3	0.65
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	3	0.65
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	3	0.65
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	11	0.65
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	12	0.64
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	2	0.64
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	12	0.64
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	11	0.64
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	5	0.64
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	5	0.64
(1,1525)	1:56:A:LEU:HB3	1:80:A:TRP:HZ3	18	0.64
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	14	0.64
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	12	0.64
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	9	0.64
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	9	0.64
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	9	0.64
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	9	0.64
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	9	0.64
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	9	0.64
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	9	0.64
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	9	0.64
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	9	0.64
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	9	0.64
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	9	0.64
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	9	0.64
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	9	0.64
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	9	0.64
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	9	0.64
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	9	0.64
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	9	0.64
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG21	15	0.64
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG22	15	0.64
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG23	15	0.64
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG21	15	0.64
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG22	15	0.64
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG23	15	0.64
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG21	15	0.64
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG22	15	0.64
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG23	15	0.64
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG21	15	0.64
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG22	15	0.64
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG23	15	0.64
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG21	15	0.64
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG22	15	0.64
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG23	15	0.64
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG21	15	0.64
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG22	15	0.64
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG23	15	0.64
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	18	0.64
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	18	0.64
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	18	0.64
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	4	0.64
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	4	0.64
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	4	0.64
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	8	0.64
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	8	0.64
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	8	0.64
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG11	9	0.64
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG12	9	0.64
(1,1331)	1:28:A:MET:HA	1:29:A:VAL:HG13	9	0.64
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	15	0.64
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	15	0.64
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	15	0.64
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG11	5	0.64
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG12	5	0.64
(1,1293)	1:30:A:ALA:HB1	1:31:A:VAL:HG13	5	0.64
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG11	5	0.64
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG12	5	0.64
(1,1293)	1:30:A:ALA:HB2	1:31:A:VAL:HG13	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG11	5	0.64
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG12	5	0.64
(1,1293)	1:30:A:ALA:HB3	1:31:A:VAL:HG13	5	0.64
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	6	0.64
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	18	0.64
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	17	0.64
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	20	0.64
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	20	0.64
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	20	0.64
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	20	0.64
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	20	0.64
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	20	0.64
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	1	0.64
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	12	0.64
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	12	0.64
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	12	0.64
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	13	0.64
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	18	0.64
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	15	0.64
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	15	0.64
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	1	0.64
(1,926)	1:34:A:VAL:HA	1:37:A:SER:HB2	10	0.64
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD11	16	0.64
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD12	16	0.64
(1,840)	1:10:A:GLN:HE22	1:11:A:ILE:HD13	16	0.64
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	2	0.64
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	2	0.64
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	2	0.64
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	2	0.64
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	18	0.64
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	1	0.64
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	12	0.64
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	9	0.64
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	8	0.64
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	8	0.64
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	8	0.64
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	4	0.64
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	7	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	3	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	3	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	3	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	4	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	4	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	9	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	9	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	9	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	10	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	10	0.64
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	10	0.64
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	6	0.64
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	19	0.64
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	18	0.64
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	14	0.64
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	14	0.64
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	14	0.64
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	15	0.64
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	20	0.64
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	16	0.64
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	16	0.64
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	16	0.64
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	16	0.64
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	16	0.64
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	16	0.64
(1,87)	1:85:A:GLU:H	1:85:A:GLU:HB2	15	0.64
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	17	0.64
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	11	0.64
(1,8)	1:23:A:SER:H	1:24:A:ASN:HB2	12	0.64
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	19	0.63
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	14	0.63
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	18	0.63
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	1	0.63
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	19	0.63
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	2	0.63
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	18	0.63
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	19	0.63
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	12	0.63
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	12	0.63
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	12	0.63
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	12	0.63
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	12	0.63
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	12	0.63
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	12	0.63
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	12	0.63
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	10	0.63
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	10	0.63
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	10	0.63
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	9	0.63
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	4	0.63
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	13	0.63
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	20	0.63
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	10	0.63
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	13	0.63
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	5	0.63
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	15	0.63
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	7	0.63
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	20	0.63
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	20	0.63
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	3	0.63
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	6	0.63
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	3	0.63
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	14	0.63
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	7	0.63
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	17	0.63
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	13	0.63
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	13	0.63
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	13	0.63
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	8	0.63
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	7	0.63
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	2	0.63
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	6	0.63
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	19	0.63
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	19	0.63
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	19	0.63
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	19	0.63
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	19	0.63
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	19	0.63
(1,43)	1:48:A:LEU:HD21	1:54:A:GLY:H	10	0.63
(1,43)	1:48:A:LEU:HD22	1:54:A:GLY:H	10	0.63
(1,43)	1:48:A:LEU:HD23	1:54:A:GLY:H	10	0.63
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	10	0.62
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	14	0.62
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	2	0.62
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	20	0.62
(2,48)	1:58:A:ASN:O	1:61:A:ARG:H	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	3	0.62
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	2	0.62
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	10	0.62
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	14	0.62
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	17	0.62
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	19	0.62
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	1	0.62
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	9	0.62
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	8	0.62
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	4	0.62
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD11	9	0.62
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD12	9	0.62
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD13	9	0.62
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD11	9	0.62
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD12	9	0.62
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD13	9	0.62
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD11	9	0.62
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD12	9	0.62
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD13	9	0.62
(1,1434)	1:43:A:ILE:HG21	1:48:A:LEU:HG	8	0.62
(1,1434)	1:43:A:ILE:HG22	1:48:A:LEU:HG	8	0.62
(1,1434)	1:43:A:ILE:HG23	1:48:A:LEU:HG	8	0.62
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	11	0.62
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	11	0.62
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	11	0.62
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	1	0.62
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	1	0.62
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	1	0.62
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	14	0.62
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	14	0.62
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	14	0.62
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	6	0.62
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	6	0.62
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	6	0.62
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	13	0.62
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	13	0.62
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	13	0.62
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	13	0.62
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	13	0.62
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	13	0.62
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	13	0.62
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	13	0.62
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	11	0.62
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	11	0.62
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	11	0.62
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	6	0.62
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	6	0.62
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	6	0.62
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	15	0.62
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	15	0.62
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	15	0.62
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	15	0.62
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	15	0.62
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	15	0.62
(1,1115)	1:63:A:LYS:HB2	1:63:A:LYS:HE2	5	0.62
(1,1115)	1:63:A:LYS:HB2	1:63:A:LYS:HE3	5	0.62
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	18	0.62
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	17	0.62
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	17	0.62
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	17	0.62
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG11	13	0.62
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG12	13	0.62
(1,974)	1:33:A:GLU:HA	1:34:A:VAL:HG13	13	0.62
(1,963)	1:19:A:ILE:HD11	1:23:A:SER:HB3	5	0.62
(1,963)	1:19:A:ILE:HD12	1:23:A:SER:HB3	5	0.62
(1,963)	1:19:A:ILE:HD13	1:23:A:SER:HB3	5	0.62
(1,929)	1:11:A:ILE:HG21	1:37:A:SER:HB2	10	0.62
(1,929)	1:11:A:ILE:HG22	1:37:A:SER:HB2	10	0.62
(1,929)	1:11:A:ILE:HG23	1:37:A:SER:HB2	10	0.62
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	6	0.62
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	1	0.62
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG21	4	0.62
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG22	4	0.62
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG23	4	0.62
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	11	0.62
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	1	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	2	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	2	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	2	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	2	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	2	0.62
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	2	0.62
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:82:A:LYS:HD2	1:83:A:LEU:H	1	0.62
(1,573)	1:82:A:LYS:HD3	1:83:A:LEU:H	1	0.62
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	5	0.62
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG11	7	0.62
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG12	7	0.62
(1,515)	1:29:A:VAL:H	1:29:A:VAL:HG13	7	0.62
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	12	0.62
(1,448)	1:58:A:ASN:H	1:59:A:ASP:HB3	19	0.62
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	16	0.62
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	16	0.62
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	16	0.62
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	16	0.62
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	7	0.62
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	7	0.62
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	7	0.62
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	7	0.62
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	7	0.62
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	7	0.62
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	9	0.62
(1,151)	1:30:A:ALA:HB1	1:34:A:VAL:H	15	0.62
(1,151)	1:30:A:ALA:HB2	1:34:A:VAL:H	15	0.62
(1,151)	1:30:A:ALA:HB3	1:34:A:VAL:H	15	0.62
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	18	0.62
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	8	0.62
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	8	0.62
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	8	0.62
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	8	0.62
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	8	0.62
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	8	0.62
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	16	0.62
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	10	0.62
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	18	0.61
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	3	0.61
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	7	0.61
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	11	0.61
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	2	0.61
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	10	0.61
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	7	0.61
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	17	0.61
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	2	0.61
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	7	0.61
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	12	0.61
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	2	0.61
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	4	0.61
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	2	0.61
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	7	0.61
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	14	0.61
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	17	0.61
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	3	0.61
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	20	0.61
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	19	0.61
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	16	0.61
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	16	0.61
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	16	0.61
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	4	0.61
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	4	0.61
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	4	0.61
(1,1387)	1:84:A:ILE:HG21	1:85:A:GLU:HG2	14	0.61
(1,1387)	1:84:A:ILE:HG21	1:85:A:GLU:HG3	14	0.61
(1,1387)	1:84:A:ILE:HG22	1:85:A:GLU:HG2	14	0.61
(1,1387)	1:84:A:ILE:HG22	1:85:A:GLU:HG3	14	0.61
(1,1387)	1:84:A:ILE:HG23	1:85:A:GLU:HG2	14	0.61
(1,1387)	1:84:A:ILE:HG23	1:85:A:GLU:HG3	14	0.61
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	2	0.61
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	2	0.61
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	2	0.61
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	2	0.61
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	4	0.61
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	4	0.61
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	11	0.61
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD11	17	0.61
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD12	17	0.61
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD13	17	0.61
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	8	0.61
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	18	0.61
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	18	0.61
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	18	0.61
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	20	0.61
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	20	0.61
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	20	0.61
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	13	0.61
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	13	0.61
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	7	0.61
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	3	0.61
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	3	0.61
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	18	0.61
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	18	0.61
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	17	0.61
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	17	0.61
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	17	0.61
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	6	0.61
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	6	0.61
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	6	0.61
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	10	0.61
(1,488)	1:9:A:GLN:HA	1:13:A:ASP:H	3	0.61
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	17	0.61
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	17	0.61
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	15	0.61
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	17	0.61
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	14	0.61
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	9	0.61
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	9	0.61
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	9	0.61
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	3	0.61
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	3	0.61
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	3	0.61
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	3	0.61
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	3	0.61
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	3	0.61
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	13	0.61
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	13	0.61
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	13	0.61
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	13	0.61
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	13	0.61
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	13	0.61
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	14	0.61
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	14	0.61
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	14	0.61
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	14	0.61
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	14	0.61
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	14	0.61
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	15	0.61
(1,19)	1:43:A:ILE:HA	1:80:A:TRP:HE1	20	0.61
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	19	0.6
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	4	0.6
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	12	0.6
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	8	0.6
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	10	0.6
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	5	0.6
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	15	0.6
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	5	0.6
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	18	0.6
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	18	0.6
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	18	0.6
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	5	0.6
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	5	0.6
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	5	0.6
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	13	0.6
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	13	0.6
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	13	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	17	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	17	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	17	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	17	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	17	0.6
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	17	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	17	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	17	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	17	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	17	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	17	0.6
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	17	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	17	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	17	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	17	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	17	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	17	0.6
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	17	0.6
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	12	0.6
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	12	0.6
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	12	0.6
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	12	0.6
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	12	0.6
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	12	0.6
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	20	0.6
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	20	0.6
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	20	0.6
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	1	0.6
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	20	0.6
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG21	3	0.6
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG22	3	0.6
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG23	3	0.6
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	18	0.6
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	18	0.6
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	18	0.6
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	10	0.6
(1,1077)	1:26:A:ARG:HB2	1:27:A:ASN:HA	7	0.6
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	5	0.6
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	1	0.6
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	11	0.6
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	12	0.6
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	5	0.6
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	17	0.6
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	15	0.6
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	5	0.6
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	5	0.6
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	5	0.6
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	20	0.6
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	20	0.6
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	20	0.6
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	20	0.6
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	20	0.6
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	20	0.6
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	5	0.6
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	9	0.6
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	15	0.6
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	15	0.6
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	15	0.6
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	15	0.6
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	15	0.6
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	15	0.6
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	19	0.6
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	10	0.6
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	10	0.6
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	10	0.6
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	10	0.6
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	10	0.6
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	6	0.6
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	19	0.6
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	19	0.6
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	19	0.6
(1,19)	1:43:A:ILE:HA	1:80:A:TRP:HE1	13	0.6
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	18	0.6
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	18	0.6
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	18	0.6
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	9	0.59
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	1	0.59
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	10	0.59
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	15	0.59
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	3	0.59
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	14	0.59
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	17	0.59
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	1	0.59
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	17	0.59
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	1	0.59
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	16	0.59
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	5	0.59
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	15	0.59
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	5	0.59
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	5	0.59
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	5	0.59
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	5	0.59
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	5	0.59
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	5	0.59
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	5	0.59
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	5	0.59
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	5	0.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	4	0.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	4	0.59
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	4	0.59
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	2	0.59
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	11	0.59
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	11	0.59
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	11	0.59
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	11	0.59
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	16	0.59
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	16	0.59
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	16	0.59
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	16	0.59
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	16	0.59
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	15	0.59
(1,1127)	1:20:A:ASP:HB2	1:21:A:PRO:HG3	12	0.59
(1,1094)	1:45:A:LYS:HA	1:83:A:LEU:HB2	7	0.59
(1,1077)	1:26:A:ARG:HB2	1:27:A:ASN:HA	19	0.59
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	20	0.59
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	16	0.59
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	5	0.59
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	16	0.59
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD11	7	0.59
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD12	7	0.59
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD13	7	0.59
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD21	7	0.59
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD22	7	0.59
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD23	7	0.59
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	12	0.59
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	1	0.59
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	1	0.59
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	1	0.59
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	1	0.59
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	1	0.59
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	1	0.59
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	16	0.59
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	7	0.59
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	8	0.59
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	7	0.59
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	13	0.59
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	4	0.59
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	4	0.59
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	4	0.59
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	4	0.59
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	4	0.59
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	4	0.59
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	2	0.59
(1,488)	1:9:A:GLN:HA	1:13:A:ASP:H	15	0.59
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE2	16	0.59
(1,465)	1:24:A:ASN:HD21	1:63:A:LYS:HE3	16	0.59
(1,445)	1:55:A:LYS:HG3	1:59:A:ASP:H	8	0.59
(1,419)	1:31:A:VAL:HA	1:35:A:ILE:H	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	2	0.59
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	2	0.59
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	2	0.59
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	15	0.59
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	8	0.59
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	8	0.59
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	8	0.59
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	9	0.59
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	11	0.59
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	11	0.59
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	11	0.59
(1,215)	1:45:A:LYS:H	1:46:A:GLU:HB2	12	0.59
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	18	0.59
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	10	0.59
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	2	0.59
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	2	0.59
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	6	0.59
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	6	0.59
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	6	0.59
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	6	0.59
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	6	0.59
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	6	0.59
(1,96)	1:80:A:TRP:H	1:80:A:TRP:HE3	20	0.59
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	9	0.58
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	19	0.58
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	10	0.58
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	16	0.58
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	18	0.58
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	17	0.58
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	13	0.58
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	6	0.58
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	11	0.58
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	11	0.58
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	20	0.58
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	14	0.58
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	19	0.58
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	14	0.58
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	16	0.58
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	17	0.58
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	13	0.58
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	13	0.58
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	19	0.58
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	19	0.58
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	19	0.58
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	19	0.58
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	19	0.58
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	19	0.58
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	19	0.58
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	19	0.58
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	19	0.58
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	5	0.58
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	2	0.58
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	2	0.58
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	2	0.58
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	2	0.58
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	15	0.58
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	8	0.58
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	8	0.58
(1,1188)	1:16:A:LEU:HD11	1:17:A:GLN:HG3	3	0.58
(1,1188)	1:16:A:LEU:HD12	1:17:A:GLN:HG3	3	0.58
(1,1188)	1:16:A:LEU:HD13	1:17:A:GLN:HG3	3	0.58
(1,1188)	1:16:A:LEU:HD21	1:17:A:GLN:HG3	3	0.58
(1,1188)	1:16:A:LEU:HD22	1:17:A:GLN:HG3	3	0.58
(1,1188)	1:16:A:LEU:HD23	1:17:A:GLN:HG3	3	0.58
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	5	0.58
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	7	0.58
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	8	0.58
(1,1094)	1:45:A:LYS:HA	1:83:A:LEU:HB2	1	0.58
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	7	0.58
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	15	0.58
(1,951)	1:79:A:SER:HA	1:82:A:LYS:HB2	4	0.58
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG2	20	0.58
(1,921)	1:25:A:ILE:HA	1:63:A:LYS:HG3	20	0.58
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	6	0.58
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	12	0.58
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	10	0.58
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	10	0.58
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	10	0.58
(1,874)	1:77:A:LEU:HA	1:81:A:GLN:HE21	17	0.58
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	10	0.58
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	13	0.58
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	13	0.58
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	9	0.58
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	9	0.58
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	12	0.58
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	5	0.58
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	10	0.58
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	3	0.58
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	2	0.58
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	3	0.58
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	9	0.58
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	2	0.58
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	2	0.58
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	2	0.58
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	18	0.58
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	18	0.58
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	18	0.58
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	4	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	7	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	7	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	7	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	7	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	7	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	7	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	13	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	13	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	13	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	13	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	13	0.58
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	13	0.58
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	14	0.58
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	9	0.58
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	17	0.58
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	6	0.58
(1,21)	1:38:A:LEU:HD11	1:80:A:TRP:HE1	9	0.58
(1,21)	1:38:A:LEU:HD12	1:80:A:TRP:HE1	9	0.58
(1,21)	1:38:A:LEU:HD13	1:80:A:TRP:HE1	9	0.58
(1,21)	1:38:A:LEU:HD21	1:80:A:TRP:HE1	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:38:A:LEU:HD22	1:80:A:TRP:HE1	9	0.58
(1,21)	1:38:A:LEU:HD23	1:80:A:TRP:HE1	9	0.58
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	16	0.57
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	19	0.57
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	12	0.57
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	18	0.57
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	7	0.57
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	6	0.57
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	8	0.57
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	5	0.57
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	11	0.57
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	14	0.57
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	18	0.57
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	2	0.57
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	12	0.57
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	5	0.57
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	2	0.57
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	17	0.57
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	5	0.57
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	10	0.57
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	8	0.57
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	8	0.57
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	8	0.57
(1,1437)	1:25:A:ILE:HD11	1:28:A:MET:HG3	6	0.57
(1,1437)	1:25:A:ILE:HD12	1:28:A:MET:HG3	6	0.57
(1,1437)	1:25:A:ILE:HD13	1:28:A:MET:HG3	6	0.57
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	2	0.57
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	2	0.57
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	2	0.57
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	2	0.57
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	2	0.57
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	2	0.57
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	2	0.57
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	2	0.57
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	2	0.57
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	2	0.57
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	2	0.57
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	2	0.57
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	6	0.57
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	6	0.57
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	6	0.57
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	6	0.57
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	6	0.57
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	6	0.57
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	6	0.57
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	6	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	14	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	14	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	14	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	16	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	16	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	16	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	18	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	18	0.57
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	18	0.57
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	13	0.57
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	12	0.57
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	14	0.57
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	2	0.57
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	2	0.57
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	2	0.57
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	5	0.57
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	5	0.57
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	5	0.57
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	3	0.57
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	11	0.57
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE2	4	0.57
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE3	4	0.57
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG2	19	0.57
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG3	19	0.57
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	1	0.57
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	4	0.57
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	14	0.57
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	16	0.57
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	3	0.57
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	13	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	17	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	17	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	17	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	17	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	17	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	17	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	20	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	20	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	20	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	20	0.57
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	20	0.57
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	19	0.57
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	10	0.57
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	15	0.57
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	19	0.57
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	12	0.57
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	14	0.57
(1,271)	1:64:A:THR:HG21	1:69:A:LEU:H	13	0.57
(1,271)	1:64:A:THR:HG22	1:69:A:LEU:H	13	0.57
(1,271)	1:64:A:THR:HG23	1:69:A:LEU:H	13	0.57
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	19	0.57
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	5	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	1	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	1	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	1	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	1	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	1	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	1	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	14	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	14	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	14	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	14	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	14	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	14	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	16	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	16	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	16	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	16	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	16	0.57
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	16	0.57
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	15	0.57
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	10	0.57
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	10	0.57
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	10	0.57
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	19	0.57
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	7	0.56
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	9	0.56
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	15	0.56
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	1	0.56
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	10	0.56
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	8	0.56
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	18	0.56
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	8	0.56
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	10	0.56
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	17	0.56
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	14	0.56
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	13	0.56
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	4	0.56
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	13	0.56
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	13	0.56
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	13	0.56
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	12	0.56
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	12	0.56
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	12	0.56
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	12	0.56
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	12	0.56
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	12	0.56
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	12	0.56
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	12	0.56
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	12	0.56
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	2	0.56
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	2	0.56
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	2	0.56
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	4	0.56
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	4	0.56
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	4	0.56
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	19	0.56
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	19	0.56
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	19	0.56
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	19	0.56
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	19	0.56
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	19	0.56
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	12	0.56
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	12	0.56
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	12	0.56
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	12	0.56
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	12	0.56
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	12	0.56
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	12	0.56
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	12	0.56
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	20	0.56
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	20	0.56
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	20	0.56
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	20	0.56
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	20	0.56
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	20	0.56
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	15	0.56
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD11	9	0.56
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD12	9	0.56
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD13	9	0.56
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	1	0.56
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	1	0.56
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	8	0.56
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	6	0.56
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	4	0.56
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	4	0.56
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	4	0.56
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	3	0.56
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	15	0.56
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	20	0.56
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	10	0.56
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	10	0.56
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	10	0.56
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	11	0.56
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	15	0.56
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	7	0.56
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	11	0.56
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	11	0.56
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	11	0.56
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	8	0.56
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	17	0.56
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	3	0.56
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	4	0.56
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	4	0.56
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	4	0.56
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	4	0.56
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	4	0.56
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	4	0.56
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	6	0.56
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	1	0.56
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	4	0.56
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	9	0.56
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	6	0.56
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	19	0.56
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	19	0.56
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	19	0.56
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	19	0.56
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	19	0.56
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	19	0.56
(1,87)	1:85:A:GLU:H	1:85:A:GLU:HB2	3	0.56
(1,87)	1:85:A:GLU:H	1:85:A:GLU:HB2	20	0.56
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	4	0.56
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	2	0.55
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	13	0.55
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	7	0.55
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	19	0.55
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	7	0.55
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	13	0.55
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	7	0.55
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	5	0.55
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	12	0.55
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	2	0.55
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	11	0.55
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	19	0.55
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	19	0.55
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	19	0.55
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	10	0.55
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	10	0.55
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	10	0.55
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	20	0.55
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	20	0.55
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	20	0.55
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG21	8	0.55
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG22	8	0.55
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG23	8	0.55
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG21	8	0.55
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG22	8	0.55
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG23	8	0.55
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG21	8	0.55
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG22	8	0.55
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG23	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG21	8	0.55
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG22	8	0.55
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG23	8	0.55
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG21	8	0.55
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG22	8	0.55
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG23	8	0.55
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG21	8	0.55
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG22	8	0.55
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG23	8	0.55
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG21	1	0.55
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG22	1	0.55
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG23	1	0.55
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG21	1	0.55
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG22	1	0.55
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG23	1	0.55
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG21	1	0.55
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG22	1	0.55
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG23	1	0.55
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD21	16	0.55
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD22	16	0.55
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD23	16	0.55
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD21	16	0.55
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD22	16	0.55
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD23	16	0.55
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	1	0.55
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	1	0.55
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	1	0.55
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	1	0.55
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	1	0.55
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	1	0.55
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	1	0.55
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	1	0.55
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	1	0.55
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	18	0.55
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	18	0.55
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	18	0.55
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	6	0.55
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	6	0.55
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	6	0.55
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	9	0.55
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	9	0.55
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	2	0.55
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	6	0.55
(1,1188)	1:16:A:LEU:HD11	1:17:A:GLN:HG3	9	0.55
(1,1188)	1:16:A:LEU:HD12	1:17:A:GLN:HG3	9	0.55
(1,1188)	1:16:A:LEU:HD13	1:17:A:GLN:HG3	9	0.55
(1,1188)	1:16:A:LEU:HD21	1:17:A:GLN:HG3	9	0.55
(1,1188)	1:16:A:LEU:HD22	1:17:A:GLN:HG3	9	0.55
(1,1188)	1:16:A:LEU:HD23	1:17:A:GLN:HG3	9	0.55
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG11	2	0.55
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG12	2	0.55
(1,1153)	1:27:A:ASN:HB3	1:31:A:VAL:HG13	2	0.55
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	18	0.55
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	18	0.55
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	18	0.55
(1,1098)	1:12:A:ARG:HD3	1:51:A:THR:HB	2	0.55
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD11	11	0.55
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD12	11	0.55
(1,1095)	1:56:A:LEU:HB3	1:57:A:ILE:HD13	11	0.55
(1,1077)	1:26:A:ARG:HB2	1:27:A:ASN:HA	18	0.55
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	7	0.55
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	9	0.55
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	8	0.55
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	5	0.55
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	17	0.55
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	12	0.55
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	9	0.55
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	11	0.55
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	17	0.55
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	4	0.55
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	13	0.55
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	18	0.55
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG11	15	0.55
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG12	15	0.55
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG13	15	0.55
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	19	0.55
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	19	0.55
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	19	0.55
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	19	0.55
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	12	0.55
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	12	0.55
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	12	0.55
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	12	0.55
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	12	0.55
(1,20)	1:43:A:ILE:HB	1:80:A:TRP:HE1	18	0.55
(2,73)	1:79:A:SER:O	1:82:A:LYS:N	5	0.54
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	6	0.54
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	6	0.54
(2,58)	1:71:A:LYS:O	1:74:A:LYS:H	11	0.54
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	14	0.54
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	19	0.54
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	8	0.54
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	12	0.54
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	13	0.54
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	9	0.54
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	6	0.54
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	10	0.54
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	12	0.54
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	6	0.54
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	6	0.54
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	9	0.54
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	9	0.54
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	9	0.54
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	12	0.54
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	12	0.54
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	12	0.54
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	20	0.54
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	20	0.54
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	20	0.54
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	20	0.54
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	20	0.54
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	20	0.54
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	2	0.54
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	2	0.54
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	2	0.54
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	16	0.54
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	16	0.54
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	16	0.54
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	20	0.54
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	20	0.54
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	20	0.54
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	20	0.54
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	20	0.54
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	12	0.54
(1,1152)	1:26:A:ARG:HB2	1:27:A:ASN:HB3	18	0.54
(1,1143)	1:56:A:LEU:HA	1:59:A:ASP:HB3	20	0.54
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	4	0.54
(1,1105)	1:38:A:LEU:HB3	1:80:A:TRP:HZ2	12	0.54
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	13	0.54
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	13	0.54
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	13	0.54
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG11	9	0.54
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG12	9	0.54
(1,1075)	1:27:A:ASN:HA	1:29:A:VAL:HG13	9	0.54
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	20	0.54
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	20	0.54
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	14	0.54
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	9	0.54
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	9	0.54
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	9	0.54
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	3	0.54
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	3	0.54
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	11	0.54
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	3	0.54
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	18	0.54
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	5	0.54
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	19	0.54
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	19	0.54
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	19	0.54
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	19	0.54
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	19	0.54
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	19	0.54
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	19	0.54
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	15	0.54
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	15	0.54
(1,635)	1:51:A:THR:HB	1:53:A:LEU:H	7	0.54
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	8	0.54
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	7	0.54
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	3	0.54
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	20	0.54
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	5	0.54
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	20	0.54
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	15	0.54
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	6	0.54
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	17	0.54
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	17	0.54
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	2	0.54
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	2	0.54
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	2	0.54
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	2	0.54
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	2	0.54
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	2	0.54
(1,87)	1:85:A:GLU:H	1:85:A:GLU:HB2	6	0.54
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	8	0.54
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	13	0.53
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	8	0.53
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	4	0.53
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	14	0.53
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	9	0.53
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	5	0.53
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	16	0.53
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	14	0.53
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	20	0.53
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	15	0.53
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	13	0.53
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	18	0.53
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	2	0.53
(1,1515)	1:82:A:LYS:HG2	1:88:A:HIS:HD2	19	0.53
(1,1515)	1:82:A:LYS:HG3	1:88:A:HIS:HD2	19	0.53
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	20	0.53
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	20	0.53
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	2	0.53
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	7	0.53
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	7	0.53
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	7	0.53
(1,1438)	1:25:A:ILE:HD11	1:31:A:VAL:HB	2	0.53
(1,1438)	1:25:A:ILE:HD12	1:31:A:VAL:HB	2	0.53
(1,1438)	1:25:A:ILE:HD13	1:31:A:VAL:HB	2	0.53
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	17	0.53
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	17	0.53
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	17	0.53
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD11	17	0.53
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD12	17	0.53
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD13	17	0.53
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD21	17	0.53
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD22	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD23	17	0.53
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	15	0.53
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	15	0.53
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	15	0.53
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	1	0.53
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	1	0.53
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	1	0.53
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	1	0.53
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	1	0.53
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	1	0.53
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	8	0.53
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	19	0.53
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	2	0.53
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	1	0.53
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	1	0.53
(1,1088)	1:54:A:GLY:HA3	1:80:A:TRP:HE3	5	0.53
(1,1076)	1:18:A:ALA:HA	1:27:A:ASN:HA	8	0.53
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	3	0.53
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	3	0.53
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	3	0.53
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	9	0.53
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	11	0.53
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	11	0.53
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	14	0.53
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	14	0.53
(1,959)	1:43:A:ILE:HA	1:80:A:TRP:HZ2	17	0.53
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	16	0.53
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	10	0.53
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	15	0.53
(1,858)	1:77:A:LEU:HD11	1:81:A:GLN:HE21	17	0.53
(1,858)	1:77:A:LEU:HD12	1:81:A:GLN:HE21	17	0.53
(1,858)	1:77:A:LEU:HD13	1:81:A:GLN:HE21	17	0.53
(1,858)	1:77:A:LEU:HD21	1:81:A:GLN:HE21	17	0.53
(1,858)	1:77:A:LEU:HD22	1:81:A:GLN:HE21	17	0.53
(1,858)	1:77:A:LEU:HD23	1:81:A:GLN:HE21	17	0.53
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD11	10	0.53
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD12	10	0.53
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD13	10	0.53
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD21	10	0.53
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD22	10	0.53
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD23	10	0.53
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	9	0.53
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	9	0.53
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	18	0.53
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	18	0.53
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	18	0.53
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	19	0.53
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	15	0.53
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	15	0.53
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	15	0.53
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	12	0.53
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	7	0.53
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	20	0.53
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	18	0.53
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	1	0.53
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	3	0.53
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	15	0.53
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	8	0.53
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	8	0.53
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	8	0.53
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	8	0.53
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	8	0.53
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	8	0.53
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	19	0.52
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	6	0.52
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	5	0.52
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	10	0.52
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	2	0.52
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	19	0.52
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	15	0.52
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	20	0.52
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	4	0.52
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	20	0.52
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	8	0.52
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	5	0.52
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	1	0.52
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	5	0.52
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	6	0.52
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	1	0.52
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	9	0.52
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	13	0.52
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	19	0.52
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	11	0.52
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	3	0.52
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	3	0.52
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	3	0.52
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG21	9	0.52
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG22	9	0.52
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG23	9	0.52
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG21	9	0.52
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG22	9	0.52
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG23	9	0.52
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG21	9	0.52
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG22	9	0.52
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG23	9	0.52
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG21	9	0.52
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG22	9	0.52
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG23	9	0.52
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG21	9	0.52
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG22	9	0.52
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG23	9	0.52
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG21	9	0.52
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG22	9	0.52
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG23	9	0.52
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	14	0.52
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	14	0.52
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	14	0.52
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	15	0.52
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	15	0.52
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	15	0.52
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	8	0.52
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	8	0.52
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	8	0.52
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	8	0.52
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	10	0.52
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	10	0.52
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	10	0.52
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	10	0.52
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	3	0.52
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	5	0.52
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	5	0.52
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	17	0.52
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	17	0.52
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	18	0.52
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	18	0.52
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	7	0.52
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	7	0.52
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	7	0.52
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	8	0.52
(1,1006)	1:77:A:LEU:HA	1:80:A:TRP:HE3	11	0.52
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	13	0.52
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	13	0.52
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	13	0.52
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	3	0.52
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	17	0.52
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	5	0.52
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	10	0.52
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	16	0.52
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	11	0.52
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	13	0.52
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	13	0.52
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	3	0.52
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	3	0.52
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	3	0.52
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	19	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	5	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	5	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	5	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	5	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	5	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	5	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	17	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	17	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	17	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	17	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	17	0.52
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	17	0.52
(1,405)	1:28:A:MET:HG2	1:32:A:LEU:H	14	0.52
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	11	0.52
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	16	0.52
(1,163)	1:46:A:GLU:HG2	1:47:A:ALA:H	14	0.52
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	13	0.52
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	13	0.52
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	9	0.52
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	9	0.52
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	9	0.52
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	9	0.52
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	9	0.52
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	9	0.52
(1,82)	1:84:A:ILE:HG12	1:85:A:GLU:H	9	0.52
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	16	0.51
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	1	0.51
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	11	0.51
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	1	0.51
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	13	0.51
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	10	0.51
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	20	0.51
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	2	0.51
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	7	0.51
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	2	0.51
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	14	0.51
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	15	0.51
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	1	0.51
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	11	0.51
(1,1509)	1:80:A:TRP:HE3	1:81:A:GLN:HE21	13	0.51
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	3	0.51
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD11	17	0.51
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD12	17	0.51
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD13	17	0.51
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG21	4	0.51
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG22	4	0.51
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG23	4	0.51
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	4	0.51
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	4	0.51
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	4	0.51
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	4	0.51
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	4	0.51
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	4	0.51
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	14	0.51
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	14	0.51
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	14	0.51
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	14	0.51
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	14	0.51
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	14	0.51
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	14	0.51
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	14	0.51
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD11	4	0.51
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD12	4	0.51
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD13	4	0.51
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD21	4	0.51
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD22	4	0.51
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD23	4	0.51
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	8	0.51
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	19	0.51
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	19	0.51
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	19	0.51
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	19	0.51
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	19	0.51
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	19	0.51
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	7	0.51
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	7	0.51
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	7	0.51
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	5	0.51
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	15	0.51
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	15	0.51
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	15	0.51
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	7	0.51
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	7	0.51
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	7	0.51
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	13	0.51
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	13	0.51
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	13	0.51
(1,959)	1:43:A:ILE:HA	1:80:A:TRP:HZ2	11	0.51
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	16	0.51
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	1	0.51
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	2	0.51
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	2	0.51
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	15	0.51
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	14	0.51
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	13	0.51
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	4	0.51
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	1	0.51
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	16	0.51
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	16	0.51
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	16	0.51
(1,567)	1:27:A:ASN:HB2	1:31:A:VAL:H	17	0.51
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	11	0.51
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	2	0.51
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	4	0.51
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	4	0.51
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	4	0.51
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	4	0.51
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	4	0.51
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	4	0.51
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	9	0.51
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	1	0.51
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	10	0.51
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	10	0.51
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	10	0.51
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	10	0.51
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	10	0.51
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	10	0.51
(1,19)	1:43:A:ILE:HA	1:80:A:TRP:HE1	18	0.51
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	2	0.5
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	12	0.5
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	13	0.5
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	3	0.5
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	4	0.5
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	1	0.5
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	15	0.5
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	4	0.5
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	11	0.5
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	7	0.5
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	7	0.5
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	13	0.5
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	9	0.5
(1,1434)	1:43:A:ILE:HG21	1:48:A:LEU:HG	11	0.5
(1,1434)	1:43:A:ILE:HG22	1:48:A:LEU:HG	11	0.5
(1,1434)	1:43:A:ILE:HG23	1:48:A:LEU:HG	11	0.5
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	6	0.5
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	6	0.5
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	6	0.5
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	20	0.5
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	20	0.5
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	20	0.5
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	11	0.5
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	11	0.5
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	2	0.5
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	2	0.5
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	2	0.5
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	2	0.5
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	2	0.5
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	2	0.5
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	2	0.5
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	2	0.5
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	2	0.5
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	2	0.5
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	2	0.5
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	2	0.5
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	2	0.5
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	2	0.5
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	2	0.5
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	2	0.5
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	2	0.5
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	2	0.5
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	9	0.5
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	9	0.5
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	9	0.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	14	0.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	14	0.5
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	14	0.5
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD11	8	0.5
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD12	8	0.5
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD13	8	0.5
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD21	8	0.5
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD22	8	0.5
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD23	8	0.5
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	17	0.5
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	3	0.5
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	3	0.5
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	16	0.5
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	9	0.5
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	3	0.5
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	5	0.5
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	5	0.5
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	5	0.5
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	17	0.5
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	4	0.5
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	3	0.5
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	4	0.5
(1,1094)	1:45:A:LYS:HA	1:83:A:LEU:HB2	15	0.5
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	19	0.5
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	20	0.5
(1,1017)	1:38:A:LEU:HA	1:42:A:PRO:HB3	3	0.5
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	4	0.5
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	10	0.5
(1,839)	1:22:A:GLN:HE22	1:23:A:SER:HB2	7	0.5
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	6	0.5
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	4	0.5
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	9	0.5
(1,725)	1:82:A:LYS:H	1:88:A:HIS:HD2	6	0.5
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	17	0.5
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	17	0.5
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	1	0.5
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	2	0.5
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	16	0.5
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	20	0.5
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	11	0.5
(1,603)	1:56:A:LEU:H	1:56:A:LEU:HB2	18	0.5
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	3	0.5
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	10	0.5
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	6	0.5
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	12	0.5
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	17	0.5
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	17	0.5
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	17	0.5
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	17	0.5
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	17	0.5
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	17	0.5
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	16	0.5
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	16	0.5
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	16	0.5
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	4	0.5
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	4	0.5
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	15	0.5
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	4	0.5
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	4	0.5
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	4	0.5
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	16	0.49
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	15	0.49
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	11	0.49
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	9	0.49
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	18	0.49
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	20	0.49
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	11	0.49
(2,30)	1:35:A:ILE:O	1:38:A:LEU:H	8	0.49
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	19	0.49
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	20	0.49
(2,18)	1:29:A:VAL:O	1:32:A:LEU:H	9	0.49
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	16	0.49
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	19	0.49
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	7	0.49
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	19	0.49
(1,1491)	1:38:A:LEU:HA	1:80:A:TRP:HZ2	3	0.49
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG21	2	0.49
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG22	2	0.49
(1,1440)	1:25:A:ILE:HD11	1:64:A:THR:HG23	2	0.49
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG21	2	0.49
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG22	2	0.49
(1,1440)	1:25:A:ILE:HD12	1:64:A:THR:HG23	2	0.49
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG21	2	0.49
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG22	2	0.49
(1,1440)	1:25:A:ILE:HD13	1:64:A:THR:HG23	2	0.49
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	6	0.49
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	6	0.49
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	6	0.49
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	16	0.49
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	16	0.49
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	16	0.49
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG11	15	0.49
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG12	15	0.49
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG13	15	0.49
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	3	0.49
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	3	0.49
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	3	0.49
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	3	0.49
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	3	0.49
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	3	0.49
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	3	0.49
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	3	0.49
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	8	0.49
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	10	0.49
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	17	0.49
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	13	0.49
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	6	0.49
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	3	0.49
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	3	0.49
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	3	0.49
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	3	0.49
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	3	0.49
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	3	0.49
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	8	0.49
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	8	0.49
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	8	0.49
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	18	0.49
(1,1138)	1:8:A:PRO:HB2	1:43:A:ILE:HB	15	0.49
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	13	0.49
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	15	0.49
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	8	0.49
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	8	0.49
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	8	0.49
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	18	0.49
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	12	0.49
(1,886)	1:77:A:LEU:HA	1:81:A:GLN:HE22	3	0.49
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	4	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD11	3	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD12	3	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD13	3	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD21	3	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD22	3	0.49
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD23	3	0.49
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	6	0.49
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	5	0.49
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	14	0.49
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	6	0.49
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	10	0.49
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	10	0.49
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	10	0.49
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	11	0.49
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	16	0.49
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	5	0.49
(1,492)	1:39:A:GLU:H	1:42:A:PRO:HD3	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	17	0.49
(1,413)	1:32:A:LEU:H	1:32:A:LEU:HD11	15	0.49
(1,413)	1:32:A:LEU:H	1:32:A:LEU:HD12	15	0.49
(1,413)	1:32:A:LEU:H	1:32:A:LEU:HD13	15	0.49
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	10	0.49
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	2	0.49
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	12	0.49
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	12	0.49
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	1	0.49
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	10	0.49
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	12	0.49
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	12	0.49
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	12	0.49
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	15	0.49
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	15	0.49
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	15	0.49
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	15	0.49
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	15	0.49
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	15	0.49
(1,40)	1:48:A:LEU:HB3	1:54:A:GLY:H	12	0.49
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	13	0.48
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	8	0.48
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	3	0.48
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	2	0.48
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	11	0.48
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	19	0.48
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	9	0.48
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	10	0.48
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	15	0.48
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	7	0.48
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	19	0.48
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	20	0.48
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	12	0.48
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	8	0.48
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	18	0.48
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	6	0.48
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	15	0.48
(1,1491)	1:38:A:LEU:HA	1:80:A:TRP:HZ2	13	0.48
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	17	0.48
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	2	0.48
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	2	0.48
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	2	0.48
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	7	0.48
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	7	0.48
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	7	0.48
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	11	0.48
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	11	0.48
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	11	0.48
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	4	0.48
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	4	0.48
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	4	0.48
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	11	0.48
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	11	0.48
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	11	0.48
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	11	0.48
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	11	0.48
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	11	0.48
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	19	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD11	11	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD12	11	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD13	11	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD21	11	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD22	11	0.48
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD23	11	0.48
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	13	0.48
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	13	0.48
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	15	0.48
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	15	0.48
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	15	0.48
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	15	0.48
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	15	0.48
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	15	0.48
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG2	19	0.48
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG3	19	0.48
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	4	0.48
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	12	0.48
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	17	0.48
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	17	0.48
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	17	0.48
(1,902)	1:31:A:VAL:HA	1:34:A:VAL:HB	14	0.48
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	4	0.48
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB1	2	0.48
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB2	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:9:A:GLN:HE22	1:47:A:ALA:HB3	2	0.48
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	1	0.48
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	1	0.48
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	4	0.48
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	16	0.48
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	6	0.48
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	3	0.48
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	3	0.48
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	18	0.48
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	18	0.48
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	18	0.48
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	18	0.48
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	18	0.48
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	18	0.48
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	18	0.48
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	18	0.48
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	2	0.48
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	2	0.48
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	2	0.48
(1,147)	1:34:A:VAL:H	1:34:A:VAL:HB	12	0.48
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	12	0.48
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	2	0.48
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	2	0.48
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	2	0.48
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	5	0.48
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	5	0.48
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	5	0.48
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	5	0.48
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	5	0.48
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	5	0.48
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	10	0.48
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	15	0.48
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	15	0.48
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	18	0.47
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	3	0.47
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	2	0.47
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	11	0.47
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	14	0.47
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	19	0.47
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	19	0.47
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	10	0.47
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	18	0.47
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	4	0.47
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	19	0.47
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	16	0.47
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	10	0.47
(1,1482)	1:5:A:PRO:HD2	1:41:A:TYR:HD1	5	0.47
(1,1482)	1:5:A:PRO:HD2	1:41:A:TYR:HD2	5	0.47
(1,1437)	1:25:A:ILE:HD11	1:28:A:MET:HG3	10	0.47
(1,1437)	1:25:A:ILE:HD12	1:28:A:MET:HG3	10	0.47
(1,1437)	1:25:A:ILE:HD13	1:28:A:MET:HG3	10	0.47
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	6	0.47
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	6	0.47
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	6	0.47
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	17	0.47
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	17	0.47
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	17	0.47
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	17	0.47
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	17	0.47
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	17	0.47
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	17	0.47
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	17	0.47
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	17	0.47
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG11	8	0.47
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG12	8	0.47
(1,1320)	1:33:A:GLU:HB3	1:34:A:VAL:HG13	8	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	11	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	11	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	11	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	11	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	11	0.47
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	11	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	11	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	11	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	11	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	11	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	11	0.47
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	11	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	11	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	11	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	11	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	11	0.47
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	11	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	11	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	11	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	11	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	11	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	11	0.47
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	11	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	11	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	11	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	11	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	11	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	11	0.47
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	11	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	11	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	11	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	11	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	11	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	11	0.47
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	11	0.47
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	1	0.47
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	1	0.47
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	1	0.47
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	1	0.47
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	1	0.47
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	1	0.47
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	1	0.47
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	1	0.47
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	1	0.47
(1,1263)	1:45:A:LYS:HA	1:48:A:LEU:HG	17	0.47
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	4	0.47
(1,1146)	1:10:A:GLN:HA	1:13:A:ASP:HB3	7	0.47
(1,1076)	1:18:A:ALA:HA	1:27:A:ASN:HA	17	0.47
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	19	0.47
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	17	0.47
(1,926)	1:34:A:VAL:HA	1:37:A:SER:HB2	7	0.47
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	8	0.47
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	15	0.47
(1,796)	1:16:A:LEU:HD11	1:19:A:ILE:H	19	0.47
(1,796)	1:16:A:LEU:HD12	1:19:A:ILE:H	19	0.47
(1,796)	1:16:A:LEU:HD13	1:19:A:ILE:H	19	0.47
(1,796)	1:16:A:LEU:HD21	1:19:A:ILE:H	19	0.47
(1,796)	1:16:A:LEU:HD22	1:19:A:ILE:H	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:16:A:LEU:HD23	1:19:A:ILE:H	19	0.47
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	3	0.47
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	3	0.47
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	3	0.47
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	5	0.47
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	5	0.47
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	5	0.47
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	1	0.47
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	1	0.47
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	13	0.47
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	13	0.47
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	13	0.47
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	17	0.47
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	15	0.47
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	15	0.47
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	15	0.47
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	15	0.47
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	15	0.47
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	15	0.47
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	15	0.47
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	1	0.47
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	7	0.47
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	8	0.47
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	5	0.47
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	10	0.47
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	10	0.47
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	10	0.47
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	13	0.47
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	13	0.47
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	13	0.47
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	12	0.47
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	12	0.47
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	12	0.47
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	12	0.47
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	12	0.47
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	12	0.47
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	15	0.47
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	6	0.47
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	13	0.47
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	9	0.47
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	9	0.47
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	2	0.46
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	17	0.46
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	3	0.46
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	7	0.46
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	17	0.46
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	2	0.46
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	10	0.46
(2,34)	1:46:A:GLU:O	1:49:A:GLU:H	6	0.46
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	13	0.46
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	9	0.46
(2,20)	1:30:A:ALA:O	1:33:A:GLU:H	16	0.46
(2,12)	1:13:A:ASP:O	1:16:A:LEU:H	9	0.46
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	11	0.46
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	18	0.46
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	1	0.46
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	3	0.46
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	3	0.46
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	3	0.46
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	17	0.46
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	17	0.46
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	17	0.46
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	17	0.46
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	17	0.46
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	17	0.46
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	17	0.46
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	17	0.46
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	17	0.46
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	17	0.46
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	17	0.46
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	17	0.46
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	17	0.46
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	17	0.46
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	17	0.46
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	17	0.46
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	17	0.46
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	17	0.46
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	11	0.46
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	11	0.46
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	11	0.46
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	5	0.46
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	5	0.46
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	5	0.46
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	5	0.46
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	5	0.46
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	6	0.46
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	7	0.46
(1,1107)	1:38:A:LEU:HB3	1:80:A:TRP:HH2	10	0.46
(1,1105)	1:38:A:LEU:HB3	1:80:A:TRP:HZ2	10	0.46
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	6	0.46
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	12	0.46
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	20	0.46
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	20	0.46
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	20	0.46
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	3	0.46
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	13	0.46
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	15	0.46
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	3	0.46
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	2	0.46
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	5	0.46
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	14	0.46
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD2	2	0.46
(1,791)	1:19:A:ILE:H	1:26:A:ARG:HD3	2	0.46
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	11	0.46
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	15	0.46
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	12	0.46
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	13	0.46
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	9	0.46
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	15	0.46
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	18	0.46
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	4	0.46
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	4	0.46
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	13	0.46
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	13	0.46
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	1	0.46
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	1	0.46
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	1	0.46
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	1	0.46
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	1	0.46
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	1	0.46
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	14	0.46
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	14	0.46
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	14	0.46
(1,96)	1:80:A:TRP:H	1:80:A:TRP:HE3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	15	0.45
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	5	0.45
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	9	0.45
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	20	0.45
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	18	0.45
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	4	0.45
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	19	0.45
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	5	0.45
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	17	0.45
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	17	0.45
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	15	0.45
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	5	0.45
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	7	0.45
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	18	0.45
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	1	0.45
(1,1504)	1:43:A:ILE:HG21	1:80:A:TRP:HE3	8	0.45
(1,1504)	1:43:A:ILE:HG22	1:80:A:TRP:HE3	8	0.45
(1,1504)	1:43:A:ILE:HG23	1:80:A:TRP:HE3	8	0.45
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	2	0.45
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	2	0.45
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	2	0.45
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	4	0.45
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	4	0.45
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	4	0.45
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	7	0.45
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	7	0.45
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	7	0.45
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	4	0.45
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	4	0.45
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	4	0.45
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	7	0.45
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	7	0.45
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	7	0.45
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	7	0.45
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	7	0.45
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	7	0.45
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	20	0.45
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	20	0.45
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	20	0.45
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	20	0.45
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	20	0.45
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	18	0.45
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	18	0.45
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	18	0.45
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	18	0.45
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	18	0.45
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	18	0.45
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	18	0.45
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	18	0.45
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	18	0.45
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	16	0.45
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	5	0.45
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	5	0.45
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	5	0.45
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	5	0.45
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	5	0.45
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	5	0.45
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	5	0.45
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	5	0.45
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	15	0.45
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	15	0.45
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	13	0.45
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	1	0.45
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	9	0.45
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	12	0.45
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	11	0.45
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	20	0.45
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	20	0.45
(1,969)	1:9:A:GLN:HA	1:12:A:ARG:HB3	3	0.45
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	20	0.45
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	19	0.45
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	4	0.45
(1,825)	1:8:A:PRO:HA	1:44:A:THR:H	2	0.45
(1,823)	1:9:A:GLN:H	1:10:A:GLN:HE22	1	0.45
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	8	0.45
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	9	0.45
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	13	0.45
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	2	0.45
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	9	0.45
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	18	0.45
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	10	0.45
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	11	0.45
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	14	0.45
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	14	0.45
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	14	0.45
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	1	0.45
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	10	0.45
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	4	0.45
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	7	0.45
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	10	0.45
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	7	0.45
(1,120)	1:89:A:GLN:H	1:91:A:GLU:H	6	0.45
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	3	0.45
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	3	0.45
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	3	0.45
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD11	20	0.45
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD12	20	0.45
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD13	20	0.45
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD21	20	0.45
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD22	20	0.45
(1,111)	1:55:A:LYS:H	1:56:A:LEU:HD23	20	0.45
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	5	0.45
(1,54)	1:65:A:LYS:H	1:70:A:ALA:HA	16	0.45
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	16	0.44
(2,56)	1:70:A:ALA:O	1:73:A:ALA:H	15	0.44
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	1	0.44
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	18	0.44
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	3	0.44
(2,24)	1:32:A:LEU:O	1:35:A:ILE:H	15	0.44
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	6	0.44
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	12	0.44
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	3	0.44
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	6	0.44
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	17	0.44
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	16	0.44
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	16	0.44
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	16	0.44
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	16	0.44
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	16	0.44
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	16	0.44
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	16	0.44
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	16	0.44
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	16	0.44
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	8	0.44
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	8	0.44
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	19	0.44
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	19	0.44
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	19	0.44
(1,1372)	1:64:A:THR:HG21	1:70:A:ALA:HA	16	0.44
(1,1372)	1:64:A:THR:HG22	1:70:A:ALA:HA	16	0.44
(1,1372)	1:64:A:THR:HG23	1:70:A:ALA:HA	16	0.44
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG11	13	0.44
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG12	13	0.44
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG13	13	0.44
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	10	0.44
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	15	0.44
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	12	0.44
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	20	0.44
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	20	0.44
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	20	0.44
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	20	0.44
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	20	0.44
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	20	0.44
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	13	0.44
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	1	0.44
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	5	0.44
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	6	0.44
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	17	0.44
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	18	0.44
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	19	0.44
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	18	0.44
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG21	16	0.44
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG22	16	0.44
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG23	16	0.44
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	12	0.44
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	12	0.44
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	12	0.44
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	9	0.44
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	9	0.44
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	3	0.44
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	3	0.44
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	13	0.44
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	2	0.44
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	4	0.44
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG21	2	0.44
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG22	2	0.44
(1,820)	1:9:A:GLN:HE22	1:51:A:THR:HG23	2	0.44
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	14	0.44
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	18	0.44
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	3	0.44
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	4	0.44
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	6	0.44
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	10	0.44
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	13	0.44
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	9	0.44
(1,490)	1:37:A:SER:HB2	1:39:A:GLU:H	18	0.44
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	6	0.44
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	2	0.44
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	10	0.44
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	6	0.44
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	3	0.44
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	6	0.44
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	5	0.44
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	5	0.44
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	2	0.44
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	16	0.44
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	16	0.44
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	16	0.44
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	16	0.44
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	16	0.44
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	16	0.44
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	3	0.44
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	16	0.44
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	16	0.44
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	16	0.44
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	16	0.44
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	16	0.44
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	16	0.44
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	5	0.43
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	20	0.43
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	8	0.43
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	3	0.43
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	15	0.43
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	18	0.43
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	19	0.43
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	4	0.43
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	4	0.43
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	15	0.43
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	14	0.43
(1,1390)	1:67:A:GLU:HA	1:70:A:ALA:HB1	2	0.43
(1,1390)	1:67:A:GLU:HA	1:70:A:ALA:HB2	2	0.43
(1,1390)	1:67:A:GLU:HA	1:70:A:ALA:HB3	2	0.43
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	1	0.43
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	1	0.43
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	1	0.43
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	7	0.43
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	7	0.43
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	7	0.43
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	7	0.43
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	7	0.43
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	7	0.43
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	7	0.43
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	7	0.43
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	7	0.43
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	7	0.43
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	7	0.43
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	7	0.43
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	7	0.43
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	7	0.43
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	7	0.43
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	7	0.43
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	7	0.43
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	7	0.43
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	20	0.43
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	20	0.43
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	20	0.43
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	7	0.43
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	7	0.43
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	7	0.43
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	7	0.43
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	7	0.43
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	7	0.43
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	7	0.43
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	7	0.43
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	7	0.43
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	7	0.43
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	7	0.43
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	7	0.43
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	7	0.43
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	7	0.43
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	7	0.43
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	7	0.43
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	7	0.43
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	7	0.43
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	7	0.43
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	7	0.43
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	7	0.43
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	7	0.43
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	7	0.43
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	7	0.43
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	7	0.43
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	7	0.43
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	7	0.43
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	7	0.43
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	7	0.43
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	7	0.43
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	7	0.43
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	7	0.43
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	7	0.43
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	7	0.43
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	7	0.43
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	18	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	2	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	10	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	11	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	12	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	14	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	16	0.43
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	20	0.43
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	2	0.43
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	12	0.43
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	6	0.43
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	6	0.43
(1,1107)	1:38:A:LEU:HB3	1:80:A:TRP:HH2	17	0.43
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	19	0.43
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	19	0.43
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	19	0.43
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	19	0.43
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	19	0.43
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	1	0.43
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	2	0.43
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	12	0.43
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	19	0.43
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	19	0.43
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	19	0.43
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	8	0.43
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	6	0.43
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	10	0.43
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	12	0.43
(1,838)	1:9:A:GLN:HB2	1:10:A:GLN:HE22	1	0.43
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	1	0.43
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	19	0.43
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	19	0.43
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	3	0.43
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	9	0.43
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	16	0.43
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	15	0.43
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	10	0.43
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	10	0.43
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	11	0.43
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	11	0.43
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	11	0.43
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	11	0.43
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	11	0.43
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	11	0.43
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD11	11	0.43
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD12	11	0.43
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD13	11	0.43
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD21	11	0.43
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD22	11	0.43
(1,508)	1:75:A:LYS:H	1:76:A:LEU:HD23	11	0.43
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	9	0.43
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	16	0.43
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	14	0.43
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	11	0.43
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	17	0.43
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	10	0.43
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	5	0.43
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	12	0.43
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	12	0.43
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	12	0.43
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	12	0.43
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	12	0.43
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	15	0.43
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	17	0.43
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	5	0.43
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	19	0.43
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	10	0.42
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	7	0.42
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	3	0.42
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	10	0.42
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	3	0.42
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	13	0.42
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	5	0.42
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	9	0.42
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	14	0.42
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	10	0.42
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	3	0.42
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	18	0.42
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	12	0.42
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	12	0.42
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	1	0.42
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	11	0.42
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	15	0.42
(1,1521)	1:48:A:LEU:HD21	1:80:A:TRP:HZ3	10	0.42
(1,1521)	1:48:A:LEU:HD22	1:80:A:TRP:HZ3	10	0.42
(1,1521)	1:48:A:LEU:HD23	1:80:A:TRP:HZ3	10	0.42
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	2	0.42
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	2	0.42
(1,1505)	1:43:A:ILE:HD11	1:80:A:TRP:HE3	6	0.42
(1,1505)	1:43:A:ILE:HD12	1:80:A:TRP:HE3	6	0.42
(1,1505)	1:43:A:ILE:HD13	1:80:A:TRP:HE3	6	0.42
(1,1503)	1:57:A:ILE:HG21	1:80:A:TRP:HE3	4	0.42
(1,1503)	1:57:A:ILE:HG22	1:80:A:TRP:HE3	4	0.42
(1,1503)	1:57:A:ILE:HG23	1:80:A:TRP:HE3	4	0.42
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	4	0.42
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD11	17	0.42
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD12	17	0.42
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD13	17	0.42
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	2	0.42
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	2	0.42
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	6	0.42
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	6	0.42
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	6	0.42
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB1	15	0.42
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB2	15	0.42
(1,1392)	1:72:A:ARG:HB3	1:73:A:ALA:HB3	15	0.42
(1,1349)	1:9:A:GLN:HA	1:51:A:THR:HG21	4	0.42
(1,1349)	1:9:A:GLN:HA	1:51:A:THR:HG22	4	0.42
(1,1349)	1:9:A:GLN:HA	1:51:A:THR:HG23	4	0.42
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	14	0.42
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	14	0.42
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	14	0.42
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	14	0.42
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	14	0.42
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	14	0.42
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	14	0.42
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	14	0.42
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	14	0.42
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	14	0.42
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	14	0.42
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	14	0.42
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	14	0.42
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	14	0.42
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	14	0.42
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	14	0.42
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	14	0.42
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	14	0.42
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	14	0.42
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	14	0.42
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	14	0.42
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	14	0.42
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	14	0.42
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	14	0.42
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	14	0.42
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	14	0.42
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	14	0.42
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	14	0.42
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	14	0.42
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	14	0.42
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	14	0.42
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	14	0.42
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	14	0.42
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	14	0.42
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	14	0.42
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	3	0.42
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	3	0.42
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	3	0.42
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	3	0.42
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	3	0.42
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	3	0.42
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	12	0.42
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	12	0.42
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	3	0.42
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	3	0.42
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	3	0.42
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	12	0.42
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	18	0.42
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	9	0.42
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	9	0.42
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	9	0.42
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	9	0.42
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	9	0.42
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	9	0.42
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	15	0.42
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	1	0.42
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	1	0.42
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	9	0.42
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	19	0.42
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	2	0.42
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	5	0.42
(1,973)	1:33:A:GLU:HA	1:36:A:SER:HB3	3	0.42
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	15	0.42
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	15	0.42
(1,627)	1:37:A:SER:H	1:37:A:SER:HB2	6	0.42
(1,591)	1:76:A:LEU:HD11	1:79:A:SER:H	1	0.42
(1,591)	1:76:A:LEU:HD12	1:79:A:SER:H	1	0.42
(1,591)	1:76:A:LEU:HD13	1:79:A:SER:H	1	0.42
(1,591)	1:76:A:LEU:HD21	1:79:A:SER:H	1	0.42
(1,591)	1:76:A:LEU:HD22	1:79:A:SER:H	1	0.42
(1,591)	1:76:A:LEU:HD23	1:79:A:SER:H	1	0.42
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:39:A:GLU:H	1:42:A:PRO:HA	8	0.42
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	14	0.42
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	2	0.42
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	13	0.42
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	7	0.42
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	19	0.42
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	14	0.42
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	15	0.42
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	8	0.42
(1,6)	1:67:A:GLU:H	1:70:A:ALA:HB1	2	0.42
(1,6)	1:67:A:GLU:H	1:70:A:ALA:HB2	2	0.42
(1,6)	1:67:A:GLU:H	1:70:A:ALA:HB3	2	0.42
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	6	0.41
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	7	0.41
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	14	0.41
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	20	0.41
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	16	0.41
(2,16)	1:28:A:MET:O	1:31:A:VAL:H	16	0.41
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	17	0.41
(1,1518)	1:48:A:LEU:HG	1:80:A:TRP:HZ3	19	0.41
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	1	0.41
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	1	0.41
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	1	0.41
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	1	0.41
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	1	0.41
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	1	0.41
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	1	0.41
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	1	0.41
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	1	0.41
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	8	0.41
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	8	0.41
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	8	0.41
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	18	0.41
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	18	0.41
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	18	0.41
(1,1402)	1:57:A:ILE:HG21	1:80:A:TRP:HZ3	13	0.41
(1,1402)	1:57:A:ILE:HG22	1:80:A:TRP:HZ3	13	0.41
(1,1402)	1:57:A:ILE:HG23	1:80:A:TRP:HZ3	13	0.41
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG21	16	0.41
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG22	16	0.41
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG23	16	0.41
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG21	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG22	16	0.41
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG23	16	0.41
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG21	16	0.41
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG22	16	0.41
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG23	16	0.41
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	7	0.41
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	7	0.41
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	7	0.41
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	12	0.41
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	12	0.41
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	12	0.41
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	12	0.41
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	12	0.41
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	12	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD11	13	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD12	13	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD13	13	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD21	13	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD22	13	0.41
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD23	13	0.41
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	1	0.41
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	1	0.41
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	1	0.41
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	1	0.41
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	1	0.41
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	1	0.41
(1,1263)	1:45:A:LYS:HA	1:48:A:LEU:HG	5	0.41
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	7	0.41
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	7	0.41
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	7	0.41
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	7	0.41
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	5	0.41
(1,1188)	1:16:A:LEU:HD11	1:17:A:GLN:HG3	4	0.41
(1,1188)	1:16:A:LEU:HD12	1:17:A:GLN:HG3	4	0.41
(1,1188)	1:16:A:LEU:HD13	1:17:A:GLN:HG3	4	0.41
(1,1188)	1:16:A:LEU:HD21	1:17:A:GLN:HG3	4	0.41
(1,1188)	1:16:A:LEU:HD22	1:17:A:GLN:HG3	4	0.41
(1,1188)	1:16:A:LEU:HD23	1:17:A:GLN:HG3	4	0.41
(1,1183)	1:17:A:GLN:HA	1:17:A:GLN:HG2	8	0.41
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	2	0.41
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	2	0.41
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	20	0.41
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	11	0.41
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	9	0.41
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	10	0.41
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	10	0.41
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	19	0.41
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	19	0.41
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	16	0.41
(1,1003)	1:69:A:LEU:HA	1:72:A:ARG:HB3	6	0.41
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	8	0.41
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD2	4	0.41
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD3	4	0.41
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	1	0.41
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	1	0.41
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	1	0.41
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	14	0.41
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	14	0.41
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	14	0.41
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	4	0.41
(1,892)	1:17:A:GLN:HE22	1:30:A:ALA:H	9	0.41
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	17	0.41
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD11	8	0.41
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD12	8	0.41
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD13	8	0.41
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD21	8	0.41
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD22	8	0.41
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD23	8	0.41
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	17	0.41
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	6	0.41
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	4	0.41
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	14	0.41
(1,627)	1:37:A:SER:H	1:37:A:SER:HB2	3	0.41
(1,567)	1:27:A:ASN:HB2	1:31:A:VAL:H	11	0.41
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	17	0.41
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	19	0.41
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG11	5	0.41
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG12	5	0.41
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG13	5	0.41
(1,328)	1:18:A:ALA:HA	1:30:A:ALA:H	17	0.41
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	7	0.41
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	4	0.41
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,132)	1:25:A:ILE:H	1:63:A:LYS:HD2	12	0.41
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB1	16	0.41
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB2	16	0.41
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB3	16	0.41
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	6	0.41
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	6	0.41
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	6	0.41
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	6	0.41
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	6	0.41
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	6	0.41
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	4	0.41
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	4	0.41
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	4	0.41
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	12	0.4
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	10	0.4
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	19	0.4
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	6	0.4
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	12	0.4
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	12	0.4
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	3	0.4
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	10	0.4
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	20	0.4
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	16	0.4
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	4	0.4
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	5	0.4
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	7	0.4
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	15	0.4
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	15	0.4
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	4	0.4
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	4	0.4
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	4	0.4
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	12	0.4
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	12	0.4
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	12	0.4
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	15	0.4
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	15	0.4
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	15	0.4
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG21	4	0.4
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG22	4	0.4
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG23	4	0.4
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG21	7	0.4
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG22	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG23	7	0.4
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	14	0.4
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	14	0.4
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	14	0.4
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	14	0.4
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	14	0.4
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	14	0.4
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	14	0.4
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	14	0.4
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	14	0.4
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	14	0.4
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	14	0.4
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	14	0.4
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	14	0.4
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	14	0.4
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	14	0.4
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	14	0.4
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	14	0.4
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	14	0.4
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	4	0.4
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	4	0.4
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	4	0.4
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	4	0.4
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	4	0.4
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	4	0.4
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	4	0.4
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	4	0.4
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	4	0.4
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	19	0.4
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	19	0.4
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	19	0.4
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	13	0.4
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	13	0.4
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	13	0.4
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	13	0.4
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	13	0.4
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	13	0.4
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	7	0.4
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	7	0.4
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	7	0.4
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	14	0.4
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	15	0.4
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	15	0.4
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	15	0.4
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	16	0.4
(1,1161)	1:33:A:GLU:HG2	1:36:A:SER:HB3	3	0.4
(1,1161)	1:33:A:GLU:HG3	1:36:A:SER:HB3	3	0.4
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	1	0.4
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	20	0.4
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	8	0.4
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	14	0.4
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	3	0.4
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	20	0.4
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD2	8	0.4
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD3	8	0.4
(1,927)	1:11:A:ILE:HD11	1:37:A:SER:HB2	5	0.4
(1,927)	1:11:A:ILE:HD12	1:37:A:SER:HB2	5	0.4
(1,927)	1:11:A:ILE:HD13	1:37:A:SER:HB2	5	0.4
(1,874)	1:77:A:LEU:HA	1:81:A:GLN:HE21	11	0.4
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	11	0.4
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	12	0.4
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	15	0.4
(1,796)	1:16:A:LEU:HD11	1:19:A:ILE:H	8	0.4
(1,796)	1:16:A:LEU:HD12	1:19:A:ILE:H	8	0.4
(1,796)	1:16:A:LEU:HD13	1:19:A:ILE:H	8	0.4
(1,796)	1:16:A:LEU:HD21	1:19:A:ILE:H	8	0.4
(1,796)	1:16:A:LEU:HD22	1:19:A:ILE:H	8	0.4
(1,796)	1:16:A:LEU:HD23	1:19:A:ILE:H	8	0.4
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	12	0.4
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	12	0.4
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	12	0.4
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	5	0.4
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	8	0.4
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	17	0.4
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	20	0.4
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	8	0.4
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	19	0.4
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	17	0.4
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	5	0.4
(1,627)	1:37:A:SER:H	1:37:A:SER:HB2	7	0.4
(1,627)	1:37:A:SER:H	1:37:A:SER:HB2	10	0.4
(1,627)	1:37:A:SER:H	1:37:A:SER:HB2	15	0.4
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	2	0.4
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	10	0.4
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	12	0.4
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	9	0.4
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	7	0.4
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	14	0.4
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	8	0.4
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	3	0.39
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	18	0.39
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	9	0.39
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	6	0.39
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	20	0.39
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	10	0.39
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	12	0.39
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	7	0.39
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	18	0.39
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	2	0.39
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	13	0.39
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	1	0.39
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	20	0.39
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	18	0.39
(1,1521)	1:48:A:LEU:HD21	1:80:A:TRP:HZ3	8	0.39
(1,1521)	1:48:A:LEU:HD22	1:80:A:TRP:HZ3	8	0.39
(1,1521)	1:48:A:LEU:HD23	1:80:A:TRP:HZ3	8	0.39
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	10	0.39
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	2	0.39
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	2	0.39
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	15	0.39
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	4	0.39
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	18	0.39
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	15	0.39
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	15	0.39
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	15	0.39
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	16	0.39
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	16	0.39
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	16	0.39
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	3	0.39
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	3	0.39
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	3	0.39
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	16	0.39
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	16	0.39
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	14	0.39
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	14	0.39
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	14	0.39
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	14	0.39
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	14	0.39
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	14	0.39
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	20	0.39
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	20	0.39
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	20	0.39
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	20	0.39
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	20	0.39
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	20	0.39
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	8	0.39
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	8	0.39
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	8	0.39
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	8	0.39
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	8	0.39
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	8	0.39
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	8	0.39
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	8	0.39
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	8	0.39
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	8	0.39
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	8	0.39
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	9	0.39
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	9	0.39
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	9	0.39
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	9	0.39
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	9	0.39
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	9	0.39
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	9	0.39
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	9	0.39
(1,1264)	1:53:A:LEU:HA	1:56:A:LEU:HD11	4	0.39
(1,1264)	1:53:A:LEU:HA	1:56:A:LEU:HD12	4	0.39
(1,1264)	1:53:A:LEU:HA	1:56:A:LEU:HD13	4	0.39
(1,1264)	1:53:A:LEU:HA	1:56:A:LEU:HD21	4	0.39
(1,1264)	1:53:A:LEU:HA	1:56:A:LEU:HD22	4	0.39
(1,1264)	1:53:A:LEU:HA	1:56:A:LEU:HD23	4	0.39
(1,1249)	1:57:A:ILE:HG12	1:81:A:GLN:HE21	14	0.39
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	11	0.39
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	11	0.39
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	4	0.39
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	18	0.39
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	6	0.39
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG11	10	0.39
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG12	10	0.39
(1,1147)	1:27:A:ASN:HB2	1:31:A:VAL:HG13	10	0.39
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	17	0.39
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	17	0.39
(1,1098)	1:12:A:ARG:HD3	1:51:A:THR:HB	13	0.39
(1,1077)	1:26:A:ARG:HB2	1:27:A:ASN:HA	2	0.39
(1,1065)	1:18:A:ALA:HA	1:26:A:ARG:HB2	8	0.39
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	15	0.39
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	15	0.39
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	15	0.39
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	11	0.39
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	20	0.39
(1,1021)	1:58:A:ASN:HA	1:61:A:ARG:HA	4	0.39
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	1	0.39
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	2	0.39
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	4	0.39
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	3	0.39
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD2	12	0.39
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD3	12	0.39
(1,973)	1:33:A:GLU:HA	1:36:A:SER:HB3	15	0.39
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	18	0.39
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	15	0.39
(1,879)	1:80:A:TRP:H	1:81:A:GLN:HE22	6	0.39
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	18	0.39
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	3	0.39
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	5	0.39
(1,813)	1:66:A:ASN:HD21	1:70:A:ALA:H	6	0.39
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	1	0.39
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	10	0.39
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	20	0.39
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	14	0.39
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	5	0.39
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	9	0.39
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	14	0.39
(1,728)	1:58:A:ASN:HA	1:62:A:LYS:H	7	0.39
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	18	0.39
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	8	0.39
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	15	0.39
(1,581)	1:31:A:VAL:H	1:31:A:VAL:HB	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:31:A:VAL:H	1:31:A:VAL:HB	19	0.39
(1,581)	1:31:A:VAL:H	1:31:A:VAL:HB	20	0.39
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	9	0.39
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	17	0.39
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	7	0.39
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	7	0.39
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	7	0.39
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	7	0.39
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	7	0.39
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	7	0.39
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD2	17	0.39
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD3	17	0.39
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	12	0.39
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	1	0.39
(1,488)	1:9:A:GLN:HA	1:13:A:ASP:H	13	0.39
(1,471)	1:22:A:GLN:HA	1:24:A:ASN:HD21	4	0.39
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	14	0.39
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	9	0.39
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	1	0.39
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	5	0.39
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	10	0.39
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	20	0.39
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	17	0.39
(1,135)	1:20:A:ASP:H	1:25:A:ILE:H	8	0.39
(1,118)	1:88:A:HIS:HA	1:91:A:GLU:H	19	0.39
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	8	0.39
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	16	0.39
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	16	0.38
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	17	0.38
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	7	0.38
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	15	0.38
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	12	0.38
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	18	0.38
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	15	0.38
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	8	0.38
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	5	0.38
(2,4)	1:9:A:GLN:O	1:12:A:ARG:H	9	0.38
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	2	0.38
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	4	0.38
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	1	0.38
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	1	0.38
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:43:A:ILE:HG21	1:48:A:LEU:HB2	19	0.38
(1,1431)	1:43:A:ILE:HG22	1:48:A:LEU:HB2	19	0.38
(1,1431)	1:43:A:ILE:HG23	1:48:A:LEU:HB2	19	0.38
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	14	0.38
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	14	0.38
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	14	0.38
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG21	11	0.38
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG22	11	0.38
(1,1416)	1:15:A:LEU:HD11	1:19:A:ILE:HG23	11	0.38
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG21	11	0.38
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG22	11	0.38
(1,1416)	1:15:A:LEU:HD12	1:19:A:ILE:HG23	11	0.38
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG21	11	0.38
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG22	11	0.38
(1,1416)	1:15:A:LEU:HD13	1:19:A:ILE:HG23	11	0.38
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG21	11	0.38
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG22	11	0.38
(1,1416)	1:15:A:LEU:HD21	1:19:A:ILE:HG23	11	0.38
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG21	11	0.38
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG22	11	0.38
(1,1416)	1:15:A:LEU:HD22	1:19:A:ILE:HG23	11	0.38
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG21	11	0.38
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG22	11	0.38
(1,1416)	1:15:A:LEU:HD23	1:19:A:ILE:HG23	11	0.38
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	9	0.38
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	9	0.38
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	9	0.38
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	9	0.38
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	9	0.38
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	9	0.38
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	9	0.38
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	9	0.38
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	9	0.38
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	9	0.38
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	9	0.38
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	9	0.38
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	9	0.38
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	9	0.38
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	9	0.38
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	9	0.38
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	9	0.38
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	12	0.38
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	12	0.38
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	12	0.38
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	16	0.38
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	16	0.38
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	16	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	16	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	16	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	16	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	16	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	16	0.38
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	16	0.38
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	18	0.38
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	18	0.38
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	18	0.38
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	18	0.38
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	18	0.38
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	18	0.38
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	7	0.38
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	7	0.38
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	1	0.38
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	1	0.38
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	1	0.38
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	4	0.38
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	4	0.38
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	4	0.38
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	10	0.38
(1,1226)	1:91:A:GLU:HB3	1:92:A:ALA:HA	2	0.38
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	2	0.38
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	2	0.38
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	2	0.38
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	2	0.38
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	2	0.38
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	2	0.38
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	13	0.38
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	14	0.38
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	18	0.38
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	14	0.38
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	14	0.38
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	5	0.38
(1,1152)	1:26:A:ARG:HB2	1:27:A:ASN:HB3	3	0.38
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	19	0.38
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	19	0.38
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	3	0.38
(1,1077)	1:26:A:ARG:HB2	1:27:A:ASN:HA	13	0.38
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	17	0.38
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD11	19	0.38
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD12	19	0.38
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD13	19	0.38
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD21	19	0.38
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD22	19	0.38
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD23	19	0.38
(1,969)	1:9:A:GLN:HA	1:12:A:ARG:HB3	13	0.38
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	14	0.38
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	14	0.38
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	14	0.38
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	8	0.38
(1,927)	1:11:A:ILE:HD11	1:37:A:SER:HB2	20	0.38
(1,927)	1:11:A:ILE:HD12	1:37:A:SER:HB2	20	0.38
(1,927)	1:11:A:ILE:HD13	1:37:A:SER:HB2	20	0.38
(1,889)	1:17:A:GLN:HE21	1:18:A:ALA:H	9	0.38
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	12	0.38
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	15	0.38
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	12	0.38
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	4	0.38
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	15	0.38
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	7	0.38
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	16	0.38
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	2	0.38
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	2	0.38
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	11	0.38
(1,656)	1:24:A:ASN:H	1:63:A:LYS:HD2	15	0.38
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	1	0.38
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	1	0.38
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	1	0.38
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	8	0.38
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	7	0.38
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	15	0.38
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	6	0.38
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	11	0.38
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	15	0.38
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	12	0.38
(1,364)	1:11:A:ILE:HA	1:15:A:LEU:H	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	20	0.38
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	20	0.38
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	20	0.38
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	19	0.38
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	6	0.38
(1,96)	1:80:A:TRP:H	1:80:A:TRP:HE3	2	0.38
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	12	0.38
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	17	0.38
(1,26)	1:43:A:ILE:HG21	1:80:A:TRP:HE1	11	0.38
(1,26)	1:43:A:ILE:HG22	1:80:A:TRP:HE1	11	0.38
(1,26)	1:43:A:ILE:HG23	1:80:A:TRP:HE1	11	0.38
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	4	0.37
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	13	0.37
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	10	0.37
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	4	0.37
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	11	0.37
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	7	0.37
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	15	0.37
(2,32)	1:45:A:LYS:O	1:48:A:LEU:H	5	0.37
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	9	0.37
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	17	0.37
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	10	0.37
(2,13)	1:14:A:ARG:O	1:16:A:LEU:N	12	0.37
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	20	0.37
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	1	0.37
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	17	0.37
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	17	0.37
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	3	0.37
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	12	0.37
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	19	0.37
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	1	0.37
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	15	0.37
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	7	0.37
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	7	0.37
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	7	0.37
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	7	0.37
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	7	0.37
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	7	0.37
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	7	0.37
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	7	0.37
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	7	0.37
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	19	0.37
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	19	0.37
(1,1398)	1:25:A:ILE:HG21	1:28:A:MET:HB2	14	0.37
(1,1398)	1:25:A:ILE:HG21	1:28:A:MET:HB3	14	0.37
(1,1398)	1:25:A:ILE:HG22	1:28:A:MET:HB2	14	0.37
(1,1398)	1:25:A:ILE:HG22	1:28:A:MET:HB3	14	0.37
(1,1398)	1:25:A:ILE:HG23	1:28:A:MET:HB2	14	0.37
(1,1398)	1:25:A:ILE:HG23	1:28:A:MET:HB3	14	0.37
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	3	0.37
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	3	0.37
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	3	0.37
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	3	0.37
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	3	0.37
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	3	0.37
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	3	0.37
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	3	0.37
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	3	0.37
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	4	0.37
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	4	0.37
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	4	0.37
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	4	0.37
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	4	0.37
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	4	0.37
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	4	0.37
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	4	0.37
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	4	0.37
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG21	3	0.37
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG22	3	0.37
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG23	3	0.37
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG21	3	0.37
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG22	3	0.37
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG23	3	0.37
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG21	3	0.37
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG22	3	0.37
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG23	3	0.37
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	8	0.37
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	8	0.37
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	8	0.37
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	6	0.37
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	6	0.37
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	6	0.37
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	17	0.37
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	17	0.37
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	3	0.37
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	3	0.37
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	3	0.37
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	3	0.37
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	3	0.37
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	3	0.37
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	10	0.37
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	10	0.37
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	10	0.37
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	4	0.37
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD11	1	0.37
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD12	1	0.37
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD13	1	0.37
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD21	1	0.37
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD22	1	0.37
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD23	1	0.37
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	16	0.37
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	16	0.37
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	16	0.37
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	16	0.37
(1,1222)	1:47:A:ALA:HB1	1:50:A:GLU:HB2	13	0.37
(1,1222)	1:47:A:ALA:HB2	1:50:A:GLU:HB2	13	0.37
(1,1222)	1:47:A:ALA:HB3	1:50:A:GLU:HB2	13	0.37
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	3	0.37
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	3	0.37
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	3	0.37
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	3	0.37
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	3	0.37
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	3	0.37
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD11	1	0.37
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD12	1	0.37
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD13	1	0.37
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	1	0.37
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	2	0.37
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	14	0.37
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	14	0.37
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	2	0.37
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	2	0.37
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	2	0.37
(1,1081)	1:5:A:PRO:HB2	1:6:A:ALA:HA	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	8	0.37
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	8	0.37
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	9	0.37
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	9	0.37
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	9	0.37
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	4	0.37
(1,1012)	1:28:A:MET:HA	1:31:A:VAL:HB	10	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	6	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	6	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	6	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	8	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	8	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	8	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	9	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	9	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	9	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	14	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	14	0.37
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	14	0.37
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	1	0.37
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	20	0.37
(1,895)	1:12:A:ARG:HB2	1:51:A:THR:HB	4	0.37
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	13	0.37
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	13	0.37
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	13	0.37
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	7	0.37
(1,827)	1:22:A:GLN:HE21	1:24:A:ASN:HD22	20	0.37
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	20	0.37
(1,788)	1:19:A:ILE:H	1:26:A:ARG:H	2	0.37
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	14	0.37
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	3	0.37
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	3	0.37
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	3	0.37
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	4	0.37
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	20	0.37
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	6	0.37
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	1	0.37
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB1	3	0.37
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB2	3	0.37
(1,303)	1:61:A:ARG:H	1:73:A:ALA:HB3	3	0.37
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	8	0.37
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	10	0.37
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	10	0.37
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	10	0.37
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	10	0.37
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	10	0.37
(1,90)	1:6:A:ALA:H	1:41:A:TYR:HB2	9	0.37
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	11	0.37
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	9	0.37
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	15	0.37
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	12	0.36
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	5	0.36
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	3	0.36
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	8	0.36
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	4	0.36
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	19	0.36
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	12	0.36
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	7	0.36
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	20	0.36
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	3	0.36
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	16	0.36
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	12	0.36
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	13	0.36
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	4	0.36
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	4	0.36
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	4	0.36
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	17	0.36
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	18	0.36
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	5	0.36
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	16	0.36
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	20	0.36
(1,1504)	1:43:A:ILE:HG21	1:80:A:TRP:HE3	19	0.36
(1,1504)	1:43:A:ILE:HG22	1:80:A:TRP:HE3	19	0.36
(1,1504)	1:43:A:ILE:HG23	1:80:A:TRP:HE3	19	0.36
(1,1500)	1:56:A:LEU:HD11	1:80:A:TRP:HE3	1	0.36
(1,1500)	1:56:A:LEU:HD12	1:80:A:TRP:HE3	1	0.36
(1,1500)	1:56:A:LEU:HD13	1:80:A:TRP:HE3	1	0.36
(1,1500)	1:56:A:LEU:HD21	1:80:A:TRP:HE3	1	0.36
(1,1500)	1:56:A:LEU:HD22	1:80:A:TRP:HE3	1	0.36
(1,1500)	1:56:A:LEU:HD23	1:80:A:TRP:HE3	1	0.36
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	8	0.36
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	8	0.36
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	8	0.36
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	8	0.36
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	8	0.36
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	8	0.36
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	8	0.36
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	8	0.36
(1,1436)	1:25:A:ILE:HD11	1:28:A:MET:HA	13	0.36
(1,1436)	1:25:A:ILE:HD12	1:28:A:MET:HA	13	0.36
(1,1436)	1:25:A:ILE:HD13	1:28:A:MET:HA	13	0.36
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	11	0.36
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	11	0.36
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	11	0.36
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	17	0.36
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	17	0.36
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	17	0.36
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG21	11	0.36
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG22	11	0.36
(1,1353)	1:9:A:GLN:HB3	1:51:A:THR:HG23	11	0.36
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	11	0.36
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	11	0.36
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	11	0.36
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	11	0.36
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	11	0.36
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	11	0.36
(1,1310)	1:53:A:LEU:HD11	1:56:A:LEU:HB2	18	0.36
(1,1310)	1:53:A:LEU:HD12	1:56:A:LEU:HB2	18	0.36
(1,1310)	1:53:A:LEU:HD13	1:56:A:LEU:HB2	18	0.36
(1,1310)	1:53:A:LEU:HD21	1:56:A:LEU:HB2	18	0.36
(1,1310)	1:53:A:LEU:HD22	1:56:A:LEU:HB2	18	0.36
(1,1310)	1:53:A:LEU:HD23	1:56:A:LEU:HB2	18	0.36
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	16	0.36
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	16	0.36
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD11	20	0.36
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD12	20	0.36
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD13	20	0.36
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD21	20	0.36
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD22	20	0.36
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD23	20	0.36
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD11	15	0.36
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD12	15	0.36
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD13	15	0.36
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD21	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD22	15	0.36
(1,1236)	1:61:A:ARG:HB3	1:77:A:LEU:HD23	15	0.36
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	7	0.36
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	7	0.36
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	7	0.36
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	7	0.36
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	15	0.36
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	16	0.36
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	16	0.36
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	16	0.36
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	16	0.36
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	16	0.36
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	16	0.36
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	11	0.36
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	13	0.36
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	5	0.36
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	14	0.36
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	7	0.36
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	7	0.36
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	3	0.36
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	3	0.36
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	3	0.36
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	3	0.36
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	3	0.36
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	3	0.36
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	3	0.36
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	8	0.36
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	8	0.36
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	8	0.36
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	8	0.36
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	8	0.36
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	8	0.36
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	17	0.36
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	17	0.36
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	17	0.36
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	17	0.36
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	17	0.36
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	17	0.36
(1,1057)	1:24:A:ASN:HA	1:63:A:LYS:HD2	7	0.36
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	5	0.36
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	5	0.36
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	12	0.36
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	12	0.36
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	12	0.36
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	3	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	7	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	7	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	7	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	11	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	11	0.36
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	11	0.36
(1,973)	1:33:A:GLU:HA	1:36:A:SER:HB3	16	0.36
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	4	0.36
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	4	0.36
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	4	0.36
(1,853)	1:6:A:ALA:HB1	1:10:A:GLN:HE21	12	0.36
(1,853)	1:6:A:ALA:HB2	1:10:A:GLN:HE21	12	0.36
(1,853)	1:6:A:ALA:HB3	1:10:A:GLN:HE21	12	0.36
(1,808)	1:66:A:ASN:H	1:66:A:ASN:HD22	18	0.36
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	5	0.36
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	1	0.36
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	6	0.36
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	18	0.36
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	19	0.36
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	18	0.36
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	9	0.36
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	9	0.36
(1,635)	1:51:A:THR:HB	1:53:A:LEU:H	16	0.36
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD2	18	0.36
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD3	18	0.36
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	8	0.36
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	13	0.36
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG11	19	0.36
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG12	19	0.36
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG13	19	0.36
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	6	0.36
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	11	0.36
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	15	0.36
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	18	0.36
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	18	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	3	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	3	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	3	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	3	0.36
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	3	0.36
(1,151)	1:30:A:ALA:HB1	1:34:A:VAL:H	11	0.36
(1,151)	1:30:A:ALA:HB2	1:34:A:VAL:H	11	0.36
(1,151)	1:30:A:ALA:HB3	1:34:A:VAL:H	11	0.36
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	3	0.36
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	3	0.36
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	20	0.36
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	10	0.36
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	10	0.36
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	10	0.36
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	10	0.36
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	10	0.36
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	10	0.36
(1,22)	1:76:A:LEU:HD11	1:80:A:TRP:HE1	13	0.36
(1,22)	1:76:A:LEU:HD12	1:80:A:TRP:HE1	13	0.36
(1,22)	1:76:A:LEU:HD13	1:80:A:TRP:HE1	13	0.36
(1,22)	1:76:A:LEU:HD21	1:80:A:TRP:HE1	13	0.36
(1,22)	1:76:A:LEU:HD22	1:80:A:TRP:HE1	13	0.36
(1,22)	1:76:A:LEU:HD23	1:80:A:TRP:HE1	13	0.36
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	17	0.35
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	9	0.35
(2,52)	1:68:A:GLU:O	1:71:A:LYS:H	5	0.35
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	9	0.35
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	18	0.35
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	9	0.35
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	12	0.35
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	8	0.35
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	4	0.35
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	6	0.35
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	16	0.35
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	7	0.35
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	13	0.35
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	16	0.35
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	2	0.35
(1,1527)	1:53:A:LEU:HB3	1:80:A:TRP:HZ3	8	0.35
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	3	0.35
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	15	0.35
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	6	0.35
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	6	0.35
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	6	0.35
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	6	0.35
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	6	0.35
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	6	0.35
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	6	0.35
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	6	0.35
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	10	0.35
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	10	0.35
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	10	0.35
(1,1442)	1:19:A:ILE:HD11	1:25:A:ILE:HA	4	0.35
(1,1442)	1:19:A:ILE:HD12	1:25:A:ILE:HA	4	0.35
(1,1442)	1:19:A:ILE:HD13	1:25:A:ILE:HA	4	0.35
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	1	0.35
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	1	0.35
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	1	0.35
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	14	0.35
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	14	0.35
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	14	0.35
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG2	6	0.35
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG3	6	0.35
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG2	6	0.35
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG3	6	0.35
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG2	6	0.35
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG3	6	0.35
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	9	0.35
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	9	0.35
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	9	0.35
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	9	0.35
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	9	0.35
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	9	0.35
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	9	0.35
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	9	0.35
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	9	0.35
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	13	0.35
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	13	0.35
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	13	0.35
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	13	0.35
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	13	0.35
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	13	0.35
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	13	0.35
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	13	0.35
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	13	0.35
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	13	0.35
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	13	0.35
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	13	0.35
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	13	0.35
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	13	0.35
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	13	0.35
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	13	0.35
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	13	0.35
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	2	0.35
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	2	0.35
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	2	0.35
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	3	0.35
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	3	0.35
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	3	0.35
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	19	0.35
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	19	0.35
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	19	0.35
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	19	0.35
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	19	0.35
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	19	0.35
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD11	8	0.35
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD12	8	0.35
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD13	8	0.35
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD21	8	0.35
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD22	8	0.35
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD23	8	0.35
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	18	0.35
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	18	0.35
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	18	0.35
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	18	0.35
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	18	0.35
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	18	0.35
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	2	0.35
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	2	0.35
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	2	0.35
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	2	0.35
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	2	0.35
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	2	0.35
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	11	0.35
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	11	0.35
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	11	0.35
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	11	0.35
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	11	0.35
(1,1027)	1:19:A:ILE:HA	1:26:A:ARG:HA	15	0.35
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	12	0.35
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	11	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	2	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	2	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	2	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	10	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	10	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	10	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	12	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	12	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	12	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	13	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	13	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	13	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	16	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	16	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	16	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	17	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	17	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	17	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	18	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	18	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	18	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	19	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	19	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	19	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	20	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	20	0.35
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	20	0.35
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	1	0.35
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	18	0.35
(1,936)	1:11:A:ILE:HD11	1:37:A:SER:HB3	5	0.35
(1,936)	1:11:A:ILE:HD12	1:37:A:SER:HB3	5	0.35
(1,936)	1:11:A:ILE:HD13	1:37:A:SER:HB3	5	0.35
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	5	0.35
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	1	0.35
(1,859)	1:5:A:PRO:HA	1:10:A:GLN:HE22	18	0.35
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD11	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD12	4	0.35
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD13	4	0.35
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD21	4	0.35
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD22	4	0.35
(1,810)	1:66:A:ASN:HD22	1:69:A:LEU:HD23	4	0.35
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	15	0.35
(1,775)	1:48:A:LEU:HA	1:52:A:ARG:H	18	0.35
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	8	0.35
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	4	0.35
(1,692)	1:55:A:LYS:HA	1:58:A:ASN:HD21	15	0.35
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	2	0.35
(1,635)	1:51:A:THR:HB	1:53:A:LEU:H	4	0.35
(1,608)	1:77:A:LEU:H	1:78:A:ARG:HG3	3	0.35
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	18	0.35
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	18	0.35
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	18	0.35
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	18	0.35
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	18	0.35
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	18	0.35
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	18	0.35
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	10	0.35
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	12	0.35
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	5	0.35
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	13	0.35
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG11	8	0.35
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG12	8	0.35
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG13	8	0.35
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	10	0.35
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	10	0.35
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	10	0.35
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	10	0.35
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	10	0.35
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	10	0.35
(1,135)	1:20:A:ASP:H	1:25:A:ILE:H	11	0.35
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	14	0.35
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	14	0.35
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	4	0.35
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	11	0.35
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	20	0.35
(1,30)	1:26:A:ARG:H	1:27:A:ASN:HB3	7	0.35
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	11	0.34
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	1	0.34
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	20	0.34
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	19	0.34
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	17	0.34
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	18	0.34
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	8	0.34
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	10	0.34
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	17	0.34
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	13	0.34
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	19	0.34
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	18	0.34
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	17	0.34
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	11	0.34
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	12	0.34
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	8	0.34
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	12	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	2	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	2	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	2	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	2	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	2	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	2	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	2	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	2	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	2	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	3	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	3	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	3	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	3	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	3	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	3	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	3	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	3	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	3	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	14	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	14	0.34
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	14	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	14	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	14	0.34
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	14	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	14	0.34
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	14	0.34
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD11	10	0.34
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD12	10	0.34
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD13	10	0.34
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	10	0.34
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	10	0.34
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	10	0.34
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	5	0.34
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	5	0.34
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	5	0.34
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	5	0.34
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	5	0.34
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	5	0.34
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	5	0.34
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	5	0.34
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	5	0.34
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	5	0.34
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	5	0.34
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	5	0.34
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	5	0.34
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	5	0.34
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	5	0.34
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	5	0.34
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	5	0.34
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	5	0.34
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	7	0.34
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	7	0.34
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	7	0.34
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	7	0.34
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	7	0.34
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	7	0.34
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	7	0.34
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	7	0.34
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	7	0.34
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	1	0.34
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	1	0.34
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	1	0.34
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	7	0.34
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	7	0.34
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	7	0.34
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	9	0.34
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	9	0.34
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	16	0.34
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	16	0.34
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	16	0.34
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	16	0.34
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	16	0.34
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	16	0.34
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	9	0.34
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	9	0.34
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	9	0.34
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	9	0.34
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	9	0.34
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	9	0.34
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	5	0.34
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	5	0.34
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	5	0.34
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	5	0.34
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	5	0.34
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	5	0.34
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	18	0.34
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	18	0.34
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	18	0.34
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	12	0.34
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	12	0.34
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	12	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	14	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	14	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	14	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	14	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	14	0.34
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	14	0.34
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	9	0.34
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	9	0.34
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	5	0.34
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG2	11	0.34
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG3	11	0.34
(1,1152)	1:26:A:ARG:HB2	1:27:A:ASN:HB3	8	0.34
(1,1135)	1:45:A:LYS:HA	1:48:A:LEU:HB2	19	0.34
(1,1098)	1:12:A:ARG:HD3	1:51:A:THR:HB	3	0.34
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	5	0.34
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	5	0.34
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	5	0.34
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	5	0.34
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	5	0.34
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	13	0.34
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	13	0.34
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	13	0.34
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	13	0.34
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	13	0.34
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	13	0.34
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB1	11	0.34
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB2	11	0.34
(1,1055)	1:66:A:ASN:HA	1:70:A:ALA:HB3	11	0.34
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	7	0.34
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	2	0.34
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	2	0.34
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	10	0.34
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	1	0.34
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	1	0.34
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	1	0.34
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	5	0.34
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	5	0.34
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	5	0.34
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	7	0.34
(1,988)	1:61:A:ARG:HA	1:77:A:LEU:HD11	18	0.34
(1,988)	1:61:A:ARG:HA	1:77:A:LEU:HD12	18	0.34
(1,988)	1:61:A:ARG:HA	1:77:A:LEU:HD13	18	0.34
(1,988)	1:61:A:ARG:HA	1:77:A:LEU:HD21	18	0.34
(1,988)	1:61:A:ARG:HA	1:77:A:LEU:HD22	18	0.34
(1,988)	1:61:A:ARG:HA	1:77:A:LEU:HD23	18	0.34
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	8	0.34
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	8	0.34
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	8	0.34
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD2	5	0.34
(1,975)	1:71:A:LYS:HA	1:71:A:LYS:HD3	5	0.34
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	18	0.34
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD11	10	0.34
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD12	10	0.34
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD13	10	0.34
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD21	10	0.34
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD22	10	0.34
(1,928)	1:37:A:SER:HB2	1:38:A:LEU:HD23	10	0.34
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG3	19	0.34
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	18	0.34
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	7	0.34
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	8	0.34
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	8	0.34
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	8	0.34
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	13	0.34
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	20	0.34
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	1	0.34
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	1	0.34
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	1	0.34
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	4	0.34
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	4	0.34
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	4	0.34
(1,643)	1:48:A:LEU:HD21	1:53:A:LEU:H	11	0.34
(1,643)	1:48:A:LEU:HD22	1:53:A:LEU:H	11	0.34
(1,643)	1:48:A:LEU:HD23	1:53:A:LEU:H	11	0.34
(1,563)	1:71:A:LYS:HA	1:74:A:LYS:H	1	0.34
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	11	0.34
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	7	0.34
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	11	0.34
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	14	0.34
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	5	0.34
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	18	0.34
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	20	0.34
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	18	0.34
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	18	0.34
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	18	0.34
(1,328)	1:18:A:ALA:HA	1:30:A:ALA:H	5	0.34
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	4	0.34
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	5	0.34
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	5	0.34
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	8	0.34
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	12	0.34
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB1	3	0.34
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB2	3	0.34
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB3	3	0.34
(1,58)	1:12:A:ARG:HD3	1:51:A:THR:H	20	0.34
(1,26)	1:43:A:ILE:HG21	1:80:A:TRP:HE1	20	0.34
(1,26)	1:43:A:ILE:HG22	1:80:A:TRP:HE1	20	0.34
(1,26)	1:43:A:ILE:HG23	1:80:A:TRP:HE1	20	0.34
(1,21)	1:38:A:LEU:HD11	1:80:A:TRP:HE1	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:38:A:LEU:HD12	1:80:A:TRP:HE1	19	0.34
(1,21)	1:38:A:LEU:HD13	1:80:A:TRP:HE1	19	0.34
(1,21)	1:38:A:LEU:HD21	1:80:A:TRP:HE1	19	0.34
(1,21)	1:38:A:LEU:HD22	1:80:A:TRP:HE1	19	0.34
(1,21)	1:38:A:LEU:HD23	1:80:A:TRP:HE1	19	0.34
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	10	0.33
(2,64)	1:74:A:LYS:O	1:77:A:LEU:H	16	0.33
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	12	0.33
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	7	0.33
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	10	0.33
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	5	0.33
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	16	0.33
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	7	0.33
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	8	0.33
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	2	0.33
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	13	0.33
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	13	0.33
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	8	0.33
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	14	0.33
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	6	0.33
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	17	0.33
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	8	0.33
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	11	0.33
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	11	0.33
(1,1502)	1:77:A:LEU:HG	1:80:A:TRP:HE3	18	0.33
(1,1462)	1:8:A:PRO:HA	1:11:A:ILE:HD11	10	0.33
(1,1462)	1:8:A:PRO:HA	1:11:A:ILE:HD12	10	0.33
(1,1462)	1:8:A:PRO:HA	1:11:A:ILE:HD13	10	0.33
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD11	3	0.33
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD12	3	0.33
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD13	3	0.33
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	9	0.33
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	9	0.33
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	9	0.33
(1,1434)	1:43:A:ILE:HG21	1:48:A:LEU:HG	4	0.33
(1,1434)	1:43:A:ILE:HG22	1:48:A:LEU:HG	4	0.33
(1,1434)	1:43:A:ILE:HG23	1:48:A:LEU:HG	4	0.33
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	15	0.33
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	15	0.33
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	15	0.33
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	8	0.33
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	8	0.33
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	8	0.33
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	8	0.33
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	8	0.33
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	8	0.33
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	8	0.33
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	8	0.33
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	8	0.33
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	8	0.33
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	8	0.33
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	8	0.33
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	8	0.33
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	8	0.33
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	8	0.33
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	8	0.33
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	8	0.33
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	3	0.33
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	3	0.33
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	3	0.33
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	2	0.33
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	2	0.33
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	2	0.33
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	2	0.33
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	2	0.33
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	2	0.33
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	2	0.33
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	2	0.33
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	2	0.33
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	2	0.33
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	2	0.33
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	2	0.33
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	2	0.33
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	2	0.33
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	2	0.33
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	2	0.33
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	2	0.33
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	2	0.33
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	9	0.33
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	9	0.33
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	9	0.33
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	9	0.33
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	9	0.33
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	9	0.33
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	9	0.33
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	9	0.33
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	6	0.33
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	6	0.33
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	6	0.33
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	6	0.33
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	6	0.33
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	6	0.33
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	12	0.33
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	12	0.33
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	12	0.33
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	12	0.33
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	17	0.33
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	3	0.33
(1,1109)	1:45:A:LYS:HB3	1:83:A:LEU:HB3	17	0.33
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	9	0.33
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	9	0.33
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	9	0.33
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	9	0.33
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	9	0.33
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	9	0.33
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	10	0.33
(1,1027)	1:19:A:ILE:HA	1:26:A:ARG:HA	20	0.33
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	3	0.33
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	3	0.33
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	3	0.33
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	4	0.33
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	4	0.33
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	4	0.33
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	18	0.33
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG2	18	0.33
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG3	18	0.33
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	17	0.33
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	1	0.33
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	1	0.33
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	1	0.33
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	3	0.33
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	1	0.33
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	10	0.33
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	2	0.33
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	2	0.33
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	2	0.33
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	14	0.33
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	18	0.33
(1,575)	1:83:A:LEU:H	1:84:A:ILE:HG13	9	0.33
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD2	5	0.33
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD3	5	0.33
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	18	0.33
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	20	0.33
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	12	0.33
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	8	0.33
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	10	0.33
(1,96)	1:80:A:TRP:H	1:80:A:TRP:HE3	5	0.33
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	18	0.33
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	11	0.32
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	6	0.32
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	1	0.32
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	20	0.32
(2,50)	1:67:A:GLU:O	1:70:A:ALA:H	4	0.32
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	8	0.32
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	12	0.32
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	17	0.32
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	11	0.32
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	10	0.32
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	16	0.32
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	5	0.32
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	5	0.32
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	5	0.32
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	5	0.32
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	5	0.32
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	5	0.32
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	5	0.32
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	5	0.32
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	5	0.32
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	12	0.32
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	12	0.32
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	12	0.32
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	12	0.32
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	12	0.32
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	12	0.32
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	12	0.32
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	12	0.32
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	6	0.32
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	6	0.32
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	6	0.32
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	6	0.32
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	6	0.32
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	6	0.32
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	6	0.32
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	6	0.32
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	6	0.32
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	6	0.32
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	6	0.32
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	6	0.32
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	6	0.32
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	6	0.32
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	6	0.32
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	6	0.32
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	6	0.32
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	6	0.32
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD11	13	0.32
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD12	13	0.32
(1,1454)	1:8:A:PRO:HB2	1:43:A:ILE:HD13	13	0.32
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	5	0.32
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	5	0.32
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	5	0.32
(1,1421)	1:35:A:ILE:HG21	1:36:A:SER:HB3	18	0.32
(1,1421)	1:35:A:ILE:HG22	1:36:A:SER:HB3	18	0.32
(1,1421)	1:35:A:ILE:HG23	1:36:A:SER:HB3	18	0.32
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG21	6	0.32
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG22	6	0.32
(1,1414)	1:15:A:LEU:HB3	1:19:A:ILE:HG23	6	0.32
(1,1377)	1:47:A:ALA:HB1	1:51:A:THR:HB	11	0.32
(1,1377)	1:47:A:ALA:HB2	1:51:A:THR:HB	11	0.32
(1,1377)	1:47:A:ALA:HB3	1:51:A:THR:HB	11	0.32
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	20	0.32
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	20	0.32
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	20	0.32
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG11	7	0.32
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG12	7	0.32
(1,1286)	1:18:A:ALA:HA	1:31:A:VAL:HG13	7	0.32
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	3	0.32
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	3	0.32
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	3	0.32
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	19	0.32
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	19	0.32
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	19	0.32
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	19	0.32
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	5	0.32
(1,1176)	1:57:A:ILE:HB	1:77:A:LEU:HG	7	0.32
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	3	0.32
(1,1148)	1:66:A:ASN:HB2	1:69:A:LEU:HA	20	0.32
(1,1146)	1:10:A:GLN:HA	1:13:A:ASP:HB3	8	0.32
(1,1118)	1:19:A:ILE:HB	1:23:A:SER:HA	18	0.32
(1,1111)	1:45:A:LYS:HA	1:83:A:LEU:HB3	18	0.32
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	2	0.32
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	19	0.32
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	5	0.32
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB1	3	0.32
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB2	3	0.32
(1,986)	1:61:A:ARG:HA	1:73:A:ALA:HB3	3	0.32
(1,926)	1:34:A:VAL:HA	1:37:A:SER:HB2	15	0.32
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	9	0.32
(1,890)	1:17:A:GLN:HE21	1:30:A:ALA:HA	5	0.32
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	20	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD11	18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD12	18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD13	18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD21	18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD22	18	0.32
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD23	18	0.32
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	15	0.32
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	15	0.32
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	15	0.32
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	5	0.32
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	10	0.32
(1,606)	1:56:A:LEU:H	1:59:A:ASP:HB2	5	0.32
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	19	0.32
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	3	0.32
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	3	0.32
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	13	0.32
(1,348)	1:15:A:LEU:H	1:15:A:LEU:HB3	15	0.32
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	10	0.32
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	10	0.32
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	10	0.32
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	10	0.32
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	10	0.32
(1,291)	1:67:A:GLU:HA	1:70:A:ALA:H	2	0.32
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	14	0.32
(1,211)	1:45:A:LYS:H	1:48:A:LEU:H	19	0.32
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	3	0.32
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	11	0.32
(1,120)	1:89:A:GLN:H	1:91:A:GLU:H	18	0.32
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	7	0.32
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	20	0.31
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	6	0.31
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	5	0.31
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	10	0.31
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	17	0.31
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	3	0.31
(2,28)	1:34:A:VAL:O	1:37:A:SER:H	16	0.31
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	12	0.31
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	19	0.31
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	16	0.31
(1,1500)	1:56:A:LEU:HD11	1:80:A:TRP:HE3	15	0.31
(1,1500)	1:56:A:LEU:HD12	1:80:A:TRP:HE3	15	0.31
(1,1500)	1:56:A:LEU:HD13	1:80:A:TRP:HE3	15	0.31
(1,1500)	1:56:A:LEU:HD21	1:80:A:TRP:HE3	15	0.31
(1,1500)	1:56:A:LEU:HD22	1:80:A:TRP:HE3	15	0.31
(1,1500)	1:56:A:LEU:HD23	1:80:A:TRP:HE3	15	0.31
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	12	0.31
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	12	0.31
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	12	0.31
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	10	0.31
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	10	0.31
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	10	0.31
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	10	0.31
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	10	0.31
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	10	0.31
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	10	0.31
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	10	0.31
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	10	0.31
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB1	13	0.31
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB2	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:29:A:VAL:HG21	1:30:A:ALA:HB3	13	0.31
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB1	13	0.31
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB2	13	0.31
(1,1362)	1:29:A:VAL:HG22	1:30:A:ALA:HB3	13	0.31
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB1	13	0.31
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB2	13	0.31
(1,1362)	1:29:A:VAL:HG23	1:30:A:ALA:HB3	13	0.31
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	2	0.31
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	2	0.31
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	2	0.31
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	2	0.31
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	2	0.31
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	2	0.31
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	2	0.31
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	2	0.31
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	2	0.31
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	5	0.31
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	5	0.31
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	5	0.31
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	5	0.31
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	5	0.31
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	5	0.31
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	5	0.31
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	5	0.31
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	5	0.31
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG11	7	0.31
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG12	7	0.31
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG13	7	0.31
(1,1313)	1:75:A:LYS:HB2	1:77:A:LEU:HD11	5	0.31
(1,1313)	1:75:A:LYS:HB2	1:77:A:LEU:HD12	5	0.31
(1,1313)	1:75:A:LYS:HB2	1:77:A:LEU:HD13	5	0.31
(1,1313)	1:75:A:LYS:HB2	1:77:A:LEU:HD21	5	0.31
(1,1313)	1:75:A:LYS:HB2	1:77:A:LEU:HD22	5	0.31
(1,1313)	1:75:A:LYS:HB2	1:77:A:LEU:HD23	5	0.31
(1,1313)	1:75:A:LYS:HB3	1:77:A:LEU:HD11	5	0.31
(1,1313)	1:75:A:LYS:HB3	1:77:A:LEU:HD12	5	0.31
(1,1313)	1:75:A:LYS:HB3	1:77:A:LEU:HD13	5	0.31
(1,1313)	1:75:A:LYS:HB3	1:77:A:LEU:HD21	5	0.31
(1,1313)	1:75:A:LYS:HB3	1:77:A:LEU:HD22	5	0.31
(1,1313)	1:75:A:LYS:HB3	1:77:A:LEU:HD23	5	0.31
(1,1302)	1:60:A:VAL:HG11	1:64:A:THR:HB	8	0.31
(1,1302)	1:60:A:VAL:HG12	1:64:A:THR:HB	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:60:A:VAL:HG13	1:64:A:THR:HB	8	0.31
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	6	0.31
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	6	0.31
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	6	0.31
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	6	0.31
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	6	0.31
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	6	0.31
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	17	0.31
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	17	0.31
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	17	0.31
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	17	0.31
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	17	0.31
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	17	0.31
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	17	0.31
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	17	0.31
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	17	0.31
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	18	0.31
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	18	0.31
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	18	0.31
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	20	0.31
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	20	0.31
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	10	0.31
(1,1177)	1:54:A:GLY:HA3	1:57:A:ILE:HB	15	0.31
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	20	0.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	7	0.31
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	7	0.31
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	12	0.31
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	12	0.31
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	12	0.31
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	12	0.31
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	12	0.31
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	12	0.31
(1,1052)	1:30:A:ALA:HA	1:33:A:GLU:HB2	15	0.31
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	5	0.31
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	13	0.31
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	13	0.31
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	13	0.31
(1,926)	1:34:A:VAL:HA	1:37:A:SER:HB2	6	0.31
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	7	0.31
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	18	0.31
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	9	0.31
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	7	0.31
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	7	0.31
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	14	0.31
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	18	0.31
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	13	0.31
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	13	0.31
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	13	0.31
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	13	0.31
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	6	0.31
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	5	0.31
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	13	0.31
(1,635)	1:51:A:THR:HB	1:53:A:LEU:H	10	0.31
(1,591)	1:76:A:LEU:HD11	1:79:A:SER:H	13	0.31
(1,591)	1:76:A:LEU:HD12	1:79:A:SER:H	13	0.31
(1,591)	1:76:A:LEU:HD13	1:79:A:SER:H	13	0.31
(1,591)	1:76:A:LEU:HD21	1:79:A:SER:H	13	0.31
(1,591)	1:76:A:LEU:HD22	1:79:A:SER:H	13	0.31
(1,591)	1:76:A:LEU:HD23	1:79:A:SER:H	13	0.31
(1,567)	1:27:A:ASN:HB2	1:31:A:VAL:H	13	0.31
(1,563)	1:71:A:LYS:HA	1:74:A:LYS:H	6	0.31
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	3	0.31
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	2	0.31
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	9	0.31
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	4	0.31
(1,409)	1:31:A:VAL:HB	1:32:A:LEU:H	19	0.31
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	1	0.31
(1,348)	1:15:A:LEU:H	1:15:A:LEU:HB3	11	0.31
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	8	0.31
(1,299)	1:58:A:ASN:HA	1:61:A:ARG:H	20	0.31
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	17	0.31
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	1	0.31
(1,225)	1:41:A:TYR:H	1:42:A:PRO:HD2	16	0.31
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	6	0.31
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	7	0.31
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	7	0.31
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	7	0.31
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	6	0.31
(1,151)	1:30:A:ALA:HB1	1:34:A:VAL:H	7	0.31
(1,151)	1:30:A:ALA:HB2	1:34:A:VAL:H	7	0.31
(1,151)	1:30:A:ALA:HB3	1:34:A:VAL:H	7	0.31
(1,135)	1:20:A:ASP:H	1:25:A:ILE:H	12	0.31
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	15	0.31
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	11	0.31
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	11	0.31
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	11	0.31
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	11	0.31
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	11	0.31
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	11	0.31
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	16	0.31
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	18	0.31
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	20	0.3
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	12	0.3
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	16	0.3
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	17	0.3
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	20	0.3
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	13	0.3
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	6	0.3
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	6	0.3
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	6	0.3
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	18	0.3
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	7	0.3
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	11	0.3
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	7	0.3
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	14	0.3
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	17	0.3
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	3	0.3
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	9	0.3
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	10	0.3
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	8	0.3
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	10	0.3
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	15	0.3
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	7	0.3
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	19	0.3
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	17	0.3
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	16	0.3
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	16	0.3
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	16	0.3
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG21	4	0.3
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG22	4	0.3
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG23	4	0.3
(1,1372)	1:64:A:THR:HG21	1:70:A:ALA:HA	4	0.3
(1,1372)	1:64:A:THR:HG22	1:70:A:ALA:HA	4	0.3
(1,1372)	1:64:A:THR:HG23	1:70:A:ALA:HA	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:31:A:VAL:HG21	1:35:A:ILE:HG12	13	0.3
(1,1348)	1:31:A:VAL:HG22	1:35:A:ILE:HG12	13	0.3
(1,1348)	1:31:A:VAL:HG23	1:35:A:ILE:HG12	13	0.3
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG21	17	0.3
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG22	17	0.3
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG23	17	0.3
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	10	0.3
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	10	0.3
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	10	0.3
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	10	0.3
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	10	0.3
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	10	0.3
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	10	0.3
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	10	0.3
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	10	0.3
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	10	0.3
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	10	0.3
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	10	0.3
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	10	0.3
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	10	0.3
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	10	0.3
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	10	0.3
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	10	0.3
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	10	0.3
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	13	0.3
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	13	0.3
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	13	0.3
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	9	0.3
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	9	0.3
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	9	0.3
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	9	0.3
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	9	0.3
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	9	0.3
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	9	0.3
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	9	0.3
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	9	0.3
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	4	0.3
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	4	0.3
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	4	0.3
(1,1287)	1:28:A:MET:HA	1:31:A:VAL:HG11	3	0.3
(1,1287)	1:28:A:MET:HA	1:31:A:VAL:HG12	3	0.3
(1,1287)	1:28:A:MET:HA	1:31:A:VAL:HG13	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	4	0.3
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	4	0.3
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	6	0.3
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	6	0.3
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	19	0.3
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	19	0.3
(1,1256)	1:9:A:GLN:HB3	1:10:A:GLN:HA	6	0.3
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD11	19	0.3
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD12	19	0.3
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD13	19	0.3
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD21	19	0.3
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD22	19	0.3
(1,1229)	1:39:A:GLU:HB3	1:76:A:LEU:HD23	19	0.3
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	4	0.3
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	7	0.3
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	20	0.3
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	20	0.3
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	20	0.3
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	6	0.3
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	6	0.3
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	6	0.3
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	16	0.3
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	16	0.3
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	16	0.3
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	18	0.3
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	12	0.3
(1,1003)	1:69:A:LEU:HA	1:72:A:ARG:HB3	12	0.3
(1,960)	1:19:A:ILE:HD11	1:23:A:SER:HB2	6	0.3
(1,960)	1:19:A:ILE:HD12	1:23:A:SER:HB2	6	0.3
(1,960)	1:19:A:ILE:HD13	1:23:A:SER:HB2	6	0.3
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	12	0.3
(1,889)	1:17:A:GLN:HE21	1:18:A:ALA:H	3	0.3
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	2	0.3
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	15	0.3
(1,788)	1:19:A:ILE:H	1:26:A:ARG:H	20	0.3
(1,775)	1:48:A:LEU:HA	1:52:A:ARG:H	2	0.3
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	7	0.3
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	12	0.3
(1,699)	1:16:A:LEU:H	1:17:A:GLN:HG2	8	0.3
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	16	0.3
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	16	0.3
(1,649)	1:24:A:ASN:H	1:24:A:ASN:HD21	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:56:A:LEU:H	1:59:A:ASP:HB2	20	0.3
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	9	0.3
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	9	0.3
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	9	0.3
(1,567)	1:27:A:ASN:HB2	1:31:A:VAL:H	4	0.3
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	1	0.3
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	4	0.3
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	4	0.3
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	5	0.3
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	2	0.3
(1,422)	1:34:A:VAL:HB	1:35:A:ILE:H	16	0.3
(1,422)	1:34:A:VAL:HB	1:35:A:ILE:H	18	0.3
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	1	0.3
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	4	0.3
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	11	0.3
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	17	0.3
(1,348)	1:15:A:LEU:H	1:15:A:LEU:HB3	13	0.3
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	16	0.3
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	2	0.3
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	2	0.3
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	2	0.3
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	2	0.3
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	2	0.3
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	2	0.3
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	7	0.3
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	20	0.3
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	4	0.3
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	10	0.3
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	10	0.3
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	14	0.3
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	14	0.3
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	14	0.3
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	14	0.3
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	14	0.3
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	14	0.3
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	11	0.3
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	9	0.3
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	4	0.3
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	4	0.3
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	4	0.3
(1,104)	1:76:A:LEU:HD11	1:80:A:TRP:H	19	0.3
(1,104)	1:76:A:LEU:HD12	1:80:A:TRP:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:76:A:LEU:HD13	1:80:A:TRP:H	19	0.3
(1,104)	1:76:A:LEU:HD21	1:80:A:TRP:H	19	0.3
(1,104)	1:76:A:LEU:HD22	1:80:A:TRP:H	19	0.3
(1,104)	1:76:A:LEU:HD23	1:80:A:TRP:H	19	0.3
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	6	0.3
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	12	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	15	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	15	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	15	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	15	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	15	0.3
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	15	0.3
(2,66)	1:75:A:LYS:O	1:78:A:ARG:H	14	0.29
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	1	0.29
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	16	0.29
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	3	0.29
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	13	0.29
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	4	0.29
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	1	0.29
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	12	0.29
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	8	0.29
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	15	0.29
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	8	0.29
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	1	0.29
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	3	0.29
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	6	0.29
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	16	0.29
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	10	0.29
(1,1484)	1:77:A:LEU:HA	1:80:A:TRP:HD1	15	0.29
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	12	0.29
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	12	0.29
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	12	0.29
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	12	0.29
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	12	0.29
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	12	0.29
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	12	0.29
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	12	0.29
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	12	0.29
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	12	0.29
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	12	0.29
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	12	0.29
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	12	0.29
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	12	0.29
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	12	0.29
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	12	0.29
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	12	0.29
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD11	9	0.29
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD12	9	0.29
(1,1453)	1:8:A:PRO:HA	1:43:A:ILE:HD13	9	0.29
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	20	0.29
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	20	0.29
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	20	0.29
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	20	0.29
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	20	0.29
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	20	0.29
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	20	0.29
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	20	0.29
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	20	0.29
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	20	0.29
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	20	0.29
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	20	0.29
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	20	0.29
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	20	0.29
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	20	0.29
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	20	0.29
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	20	0.29
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	20	0.29
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	15	0.29
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	15	0.29
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	15	0.29
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	6	0.29
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	6	0.29
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	6	0.29
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	18	0.29
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	18	0.29
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	18	0.29
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	16	0.29
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	16	0.29
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	16	0.29
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	16	0.29
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	16	0.29
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	16	0.29
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	16	0.29
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	16	0.29
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	5	0.29
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	5	0.29
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	5	0.29
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	1	0.29
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	1	0.29
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	1	0.29
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	1	0.29
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	13	0.29
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	13	0.29
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	13	0.29
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	13	0.29
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	13	0.29
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	8	0.29
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	17	0.29
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	15	0.29
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	15	0.29
(1,1089)	1:53:A:LEU:HD11	1:54:A:GLY:HA3	18	0.29
(1,1089)	1:53:A:LEU:HD12	1:54:A:GLY:HA3	18	0.29
(1,1089)	1:53:A:LEU:HD13	1:54:A:GLY:HA3	18	0.29
(1,1089)	1:53:A:LEU:HD21	1:54:A:GLY:HA3	18	0.29
(1,1089)	1:53:A:LEU:HD22	1:54:A:GLY:HA3	18	0.29
(1,1089)	1:53:A:LEU:HD23	1:54:A:GLY:HA3	18	0.29
(1,1076)	1:18:A:ALA:HA	1:27:A:ASN:HA	14	0.29
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	11	0.29
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	11	0.29
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	11	0.29
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	16	0.29
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	11	0.29
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	16	0.29
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	18	0.29
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	19	0.29
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	19	0.29
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	13	0.29
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	20	0.29
(1,644)	1:5:A:PRO:HB2	1:7:A:SER:H	9	0.29
(1,635)	1:51:A:THR:HB	1:53:A:LEU:H	20	0.29
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	12	0.29
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD2	13	0.29
(1,506)	1:75:A:LYS:H	1:75:A:LYS:HD3	13	0.29
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:10:A:GLN:H	1:13:A:ASP:H	8	0.29
(1,475)	1:12:A:ARG:HD3	1:13:A:ASP:H	11	0.29
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	12	0.29
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	18	0.29
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	1	0.29
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	5	0.29
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	14	0.29
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	19	0.29
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD2	5	0.29
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD3	5	0.29
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	13	0.29
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	6	0.29
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	17	0.29
(1,135)	1:20:A:ASP:H	1:25:A:ILE:H	10	0.29
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	19	0.29
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	19	0.29
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	19	0.29
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	19	0.29
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	19	0.29
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	19	0.29
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	17	0.29
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	17	0.29
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	17	0.29
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	7	0.28
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	14	0.28
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	19	0.28
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	8	0.28
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	17	0.28
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	4	0.28
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	12	0.28
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	16	0.28
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	13	0.28
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	5	0.28
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	5	0.28
(1,1494)	1:60:A:VAL:HB	1:80:A:TRP:HH2	9	0.28
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD11	18	0.28
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD12	18	0.28
(1,1478)	1:31:A:VAL:HG21	1:35:A:ILE:HD13	18	0.28
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD11	18	0.28
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD12	18	0.28
(1,1478)	1:31:A:VAL:HG22	1:35:A:ILE:HD13	18	0.28
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD11	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD12	18	0.28
(1,1478)	1:31:A:VAL:HG23	1:35:A:ILE:HD13	18	0.28
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	12	0.28
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	12	0.28
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	12	0.28
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	19	0.28
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	19	0.28
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	19	0.28
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	3	0.28
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	3	0.28
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	3	0.28
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	1	0.28
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	1	0.28
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	1	0.28
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG11	20	0.28
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG12	20	0.28
(1,1317)	1:15:A:LEU:HB3	1:34:A:VAL:HG13	20	0.28
(1,1305)	1:60:A:VAL:HG11	1:77:A:LEU:HB3	12	0.28
(1,1305)	1:60:A:VAL:HG12	1:77:A:LEU:HB3	12	0.28
(1,1305)	1:60:A:VAL:HG13	1:77:A:LEU:HB3	12	0.28
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	19	0.28
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	19	0.28
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	19	0.28
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	19	0.28
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	19	0.28
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	19	0.28
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	9	0.28
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	9	0.28
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	9	0.28
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	9	0.28
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	9	0.28
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	9	0.28
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	9	0.28
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	9	0.28
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	9	0.28
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG11	1	0.28
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG12	1	0.28
(1,1288)	1:15:A:LEU:HA	1:31:A:VAL:HG13	1	0.28
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	7	0.28
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	7	0.28
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	7	0.28
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:16:A:LEU:HD11	1:17:A:GLN:HG2	8	0.28
(1,1185)	1:16:A:LEU:HD12	1:17:A:GLN:HG2	8	0.28
(1,1185)	1:16:A:LEU:HD13	1:17:A:GLN:HG2	8	0.28
(1,1185)	1:16:A:LEU:HD21	1:17:A:GLN:HG2	8	0.28
(1,1185)	1:16:A:LEU:HD22	1:17:A:GLN:HG2	8	0.28
(1,1185)	1:16:A:LEU:HD23	1:17:A:GLN:HG2	8	0.28
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	4	0.28
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	14	0.28
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	14	0.28
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	14	0.28
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD2	8	0.28
(1,1093)	1:20:A:ASP:HB3	1:26:A:ARG:HD3	8	0.28
(1,1047)	1:73:A:ALA:HA	1:76:A:LEU:HB2	9	0.28
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	20	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD11	3	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD12	3	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD13	3	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD21	3	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD22	3	0.28
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD23	3	0.28
(1,992)	1:10:A:GLN:HA	1:10:A:GLN:HG3	13	0.28
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	9	0.28
(1,962)	1:19:A:ILE:HG21	1:23:A:SER:HB3	15	0.28
(1,962)	1:19:A:ILE:HG22	1:23:A:SER:HB3	15	0.28
(1,962)	1:19:A:ILE:HG23	1:23:A:SER:HB3	15	0.28
(1,870)	1:9:A:GLN:HG2	1:10:A:GLN:HE21	12	0.28
(1,867)	1:22:A:GLN:HE22	1:23:A:SER:H	19	0.28
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	8	0.28
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	10	0.28
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	13	0.28
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	13	0.28
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	13	0.28
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	3	0.28
(1,756)	1:59:A:ASP:H	1:63:A:LYS:H	6	0.28
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	7	0.28
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	2	0.28
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	19	0.28
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG21	8	0.28
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG22	8	0.28
(1,705)	1:9:A:GLN:H	1:51:A:THR:HG23	8	0.28
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	3	0.28
(1,644)	1:5:A:PRO:HB2	1:7:A:SER:H	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:76:A:LEU:HD11	1:79:A:SER:H	2	0.28
(1,591)	1:76:A:LEU:HD12	1:79:A:SER:H	2	0.28
(1,591)	1:76:A:LEU:HD13	1:79:A:SER:H	2	0.28
(1,591)	1:76:A:LEU:HD21	1:79:A:SER:H	2	0.28
(1,591)	1:76:A:LEU:HD22	1:79:A:SER:H	2	0.28
(1,591)	1:76:A:LEU:HD23	1:79:A:SER:H	2	0.28
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	8	0.28
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	14	0.28
(1,461)	1:20:A:ASP:HB2	1:24:A:ASN:HD22	10	0.28
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	6	0.28
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	12	0.28
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	4	0.28
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	8	0.28
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	11	0.28
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	12	0.28
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	19	0.28
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	12	0.28
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	12	0.28
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	12	0.28
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	12	0.28
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	16	0.28
(1,222)	1:41:A:TYR:H	1:41:A:TYR:HE2	13	0.28
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	14	0.28
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	18	0.28
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	19	0.28
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	6	0.28
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	6	0.28
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	6	0.28
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	19	0.28
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	20	0.28
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	7	0.28
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	7	0.28
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	7	0.28
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	7	0.28
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	7	0.28
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	7	0.28
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	10	0.28
(1,50)	1:65:A:LYS:H	1:66:A:ASN:HB3	16	0.28
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	14	0.27
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	5	0.27
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	4	0.27
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	11	0.27
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	3	0.27
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	13	0.27
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	8	0.27
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	20	0.27
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	17	0.27
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	4	0.27
(1,1522)	1:53:A:LEU:HB2	1:80:A:TRP:HZ3	16	0.27
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	2	0.27
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	2	0.27
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	2	0.27
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	14	0.27
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	14	0.27
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	14	0.27
(1,1372)	1:64:A:THR:HG21	1:70:A:ALA:HA	2	0.27
(1,1372)	1:64:A:THR:HG22	1:70:A:ALA:HA	2	0.27
(1,1372)	1:64:A:THR:HG23	1:70:A:ALA:HA	2	0.27
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG21	10	0.27
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG22	10	0.27
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG23	10	0.27
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG21	10	0.27
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG22	10	0.27
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG23	10	0.27
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG21	10	0.27
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG22	10	0.27
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG23	10	0.27
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG11	7	0.27
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG12	7	0.27
(1,1330)	1:18:A:ALA:HB1	1:29:A:VAL:HG13	7	0.27
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG11	7	0.27
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG12	7	0.27
(1,1330)	1:18:A:ALA:HB2	1:29:A:VAL:HG13	7	0.27
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG11	7	0.27
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG12	7	0.27
(1,1330)	1:18:A:ALA:HB3	1:29:A:VAL:HG13	7	0.27
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	14	0.27
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	14	0.27
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD11	18	0.27
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD12	18	0.27
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD13	18	0.27
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD21	18	0.27
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD22	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD23	18	0.27
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	13	0.27
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	13	0.27
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	13	0.27
(1,1231)	1:61:A:ARG:HB2	1:77:A:LEU:HD11	18	0.27
(1,1231)	1:61:A:ARG:HB2	1:77:A:LEU:HD12	18	0.27
(1,1231)	1:61:A:ARG:HB2	1:77:A:LEU:HD13	18	0.27
(1,1231)	1:61:A:ARG:HB2	1:77:A:LEU:HD21	18	0.27
(1,1231)	1:61:A:ARG:HB2	1:77:A:LEU:HD22	18	0.27
(1,1231)	1:61:A:ARG:HB2	1:77:A:LEU:HD23	18	0.27
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	9	0.27
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	12	0.27
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	14	0.27
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	14	0.27
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	14	0.27
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	14	0.27
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD2	13	0.27
(1,1171)	1:68:A:GLU:HG2	1:71:A:LYS:HD3	13	0.27
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD2	13	0.27
(1,1171)	1:68:A:GLU:HG3	1:71:A:LYS:HD3	13	0.27
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	6	0.27
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	18	0.27
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	14	0.27
(1,973)	1:33:A:GLU:HA	1:36:A:SER:HB3	11	0.27
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG2	7	0.27
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG3	7	0.27
(1,911)	1:60:A:VAL:HA	1:64:A:THR:HB	15	0.27
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	4	0.27
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	15	0.27
(1,859)	1:5:A:PRO:HA	1:10:A:GLN:HE22	19	0.27
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	3	0.27
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	15	0.27
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	15	0.27
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	6	0.27
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	10	0.27
(1,682)	1:40:A:LYS:H	1:42:A:PRO:HD3	16	0.27
(1,654)	1:22:A:GLN:HB2	1:24:A:ASN:H	4	0.27
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	16	0.27
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	13	0.27
(1,633)	1:19:A:ILE:H	1:27:A:ASN:H	8	0.27
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	16	0.27
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	16	0.27
(1,575)	1:83:A:LEU:H	1:84:A:ILE:HG13	18	0.27
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	5	0.27
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	5	0.27
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	5	0.27
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	5	0.27
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	5	0.27
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	5	0.27
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	17	0.27
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	6	0.27
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	2	0.27
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	7	0.27
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	11	0.27
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	17	0.27
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	15	0.27
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	4	0.27
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	4	0.27
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	4	0.27
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	14	0.27
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	6	0.27
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	15	0.27
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	16	0.27
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	8	0.27
(1,292)	1:68:A:GLU:HB2	1:70:A:ALA:H	18	0.27
(1,292)	1:68:A:GLU:HB3	1:70:A:ALA:H	18	0.27
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	2	0.27
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	2	0.27
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	13	0.27
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	13	0.27
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	13	0.27
(1,225)	1:41:A:TYR:H	1:42:A:PRO:HD2	1	0.27
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	2	0.27
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	2	0.27
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	2	0.27
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	2	0.27
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	2	0.27
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	2	0.27
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	18	0.27
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	4	0.27
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	2	0.27
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	15	0.27
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:24:A:ASN:HB3	1:25:A:ILE:H	12	0.27
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	1	0.27
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	1	0.27
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	1	0.27
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	1	0.27
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	1	0.27
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	1	0.27
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	16	0.27
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	16	0.27
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	16	0.27
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	1	0.26
(2,69)	1:77:A:LEU:O	1:80:A:TRP:N	11	0.26
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	3	0.26
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	8	0.26
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	11	0.26
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	14	0.26
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	1	0.26
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	16	0.26
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	18	0.26
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	9	0.26
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	14	0.26
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	6	0.26
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	6	0.26
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	14	0.26
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	9	0.26
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	9	0.26
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	5	0.26
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	7	0.26
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	4	0.26
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	4	0.26
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	4	0.26
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	11	0.26
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	11	0.26
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	11	0.26
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG21	2	0.26
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG22	2	0.26
(1,1354)	1:47:A:ALA:HB1	1:51:A:THR:HG23	2	0.26
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG21	2	0.26
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG22	2	0.26
(1,1354)	1:47:A:ALA:HB2	1:51:A:THR:HG23	2	0.26
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG21	2	0.26
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG22	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:47:A:ALA:HB3	1:51:A:THR:HG23	2	0.26
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG11	10	0.26
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG12	10	0.26
(1,1292)	1:18:A:ALA:HB1	1:31:A:VAL:HG13	10	0.26
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG11	10	0.26
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG12	10	0.26
(1,1292)	1:18:A:ALA:HB2	1:31:A:VAL:HG13	10	0.26
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG11	10	0.26
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG12	10	0.26
(1,1292)	1:18:A:ALA:HB3	1:31:A:VAL:HG13	10	0.26
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	2	0.26
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	2	0.26
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD11	11	0.26
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD12	11	0.26
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD13	11	0.26
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD21	11	0.26
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD22	11	0.26
(1,1275)	1:66:A:ASN:HB2	1:69:A:LEU:HD23	11	0.26
(1,1251)	1:32:A:LEU:HA	1:35:A:ILE:HG13	11	0.26
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	6	0.26
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	6	0.26
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	6	0.26
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	6	0.26
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB2	20	0.26
(1,1234)	1:75:A:LYS:HD2	1:78:A:ARG:HB3	20	0.26
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB2	20	0.26
(1,1234)	1:75:A:LYS:HD3	1:78:A:ARG:HB3	20	0.26
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	14	0.26
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	14	0.26
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	14	0.26
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	14	0.26
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	13	0.26
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	13	0.26
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	13	0.26
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	13	0.26
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	13	0.26
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	13	0.26
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	6	0.26
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB2	17	0.26
(1,1198)	1:61:A:ARG:HB2	1:62:A:LYS:HB3	17	0.26
(1,1197)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	2	0.26
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	9	0.26
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	16	0.26
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD2	3	0.26
(1,1125)	1:20:A:ASP:HB2	1:26:A:ARG:HD3	3	0.26
(1,1118)	1:19:A:ILE:HB	1:23:A:SER:HA	5	0.26
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	8	0.26
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	8	0.26
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	8	0.26
(1,1104)	1:34:A:VAL:HG21	1:38:A:LEU:HB3	14	0.26
(1,1104)	1:34:A:VAL:HG22	1:38:A:LEU:HB3	14	0.26
(1,1104)	1:34:A:VAL:HG23	1:38:A:LEU:HB3	14	0.26
(1,1094)	1:45:A:LYS:HA	1:83:A:LEU:HB2	2	0.26
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	6	0.26
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	18	0.26
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	18	0.26
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	3	0.26
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	3	0.26
(1,1009)	1:77:A:LEU:HA	1:77:A:LEU:HG	6	0.26
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	10	0.26
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	8	0.26
(1,929)	1:11:A:ILE:HG21	1:37:A:SER:HB2	7	0.26
(1,929)	1:11:A:ILE:HG22	1:37:A:SER:HB2	7	0.26
(1,929)	1:11:A:ILE:HG23	1:37:A:SER:HB2	7	0.26
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	20	0.26
(1,807)	1:60:A:VAL:HG11	1:64:A:THR:H	14	0.26
(1,807)	1:60:A:VAL:HG12	1:64:A:THR:H	14	0.26
(1,807)	1:60:A:VAL:HG13	1:64:A:THR:H	14	0.26
(1,796)	1:16:A:LEU:HD11	1:19:A:ILE:H	16	0.26
(1,796)	1:16:A:LEU:HD12	1:19:A:ILE:H	16	0.26
(1,796)	1:16:A:LEU:HD13	1:19:A:ILE:H	16	0.26
(1,796)	1:16:A:LEU:HD21	1:19:A:ILE:H	16	0.26
(1,796)	1:16:A:LEU:HD22	1:19:A:ILE:H	16	0.26
(1,796)	1:16:A:LEU:HD23	1:19:A:ILE:H	16	0.26
(1,726)	1:9:A:GLN:H	1:10:A:GLN:HE21	10	0.26
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	1	0.26
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	9	0.26
(1,590)	1:78:A:ARG:HG3	1:79:A:SER:H	12	0.26
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	3	0.26
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	3	0.26
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	3	0.26
(1,570)	1:80:A:TRP:HA	1:83:A:LEU:H	14	0.26
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:22:A:GLN:HB3	1:24:A:ASN:HD21	12	0.26
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	13	0.26
(1,401)	1:47:A:ALA:H	1:49:A:GLU:H	5	0.26
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	2	0.26
(1,334)	1:72:A:ARG:H	1:72:A:ARG:HB3	13	0.26
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	17	0.26
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	11	0.26
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	14	0.26
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	6	0.26
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	7	0.26
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	6	0.26
(1,163)	1:46:A:GLU:HG2	1:47:A:ALA:H	8	0.26
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	4	0.26
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	10	0.26
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	13	0.26
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	15	0.26
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	15	0.26
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	15	0.26
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	14	0.26
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	7	0.25
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	5	0.25
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	12	0.25
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	13	0.25
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	9	0.25
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	9	0.25
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	14	0.25
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	11	0.25
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	20	0.25
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	5	0.25
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	7	0.25
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	4	0.25
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	11	0.25
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	5	0.25
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	17	0.25
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	8	0.25
(1,1495)	1:57:A:ILE:H	1:80:A:TRP:HH2	10	0.25
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	3	0.25
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	8	0.25
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	14	0.25
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	14	0.25
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	14	0.25
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	3	0.25
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	3	0.25
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	3	0.25
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	9	0.25
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	9	0.25
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	9	0.25
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	12	0.25
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	12	0.25
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	12	0.25
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	12	0.25
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	12	0.25
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	12	0.25
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	12	0.25
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	12	0.25
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	12	0.25
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	8	0.25
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	8	0.25
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	8	0.25
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	1	0.25
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	1	0.25
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	1	0.25
(1,1350)	1:12:A:ARG:HD2	1:51:A:THR:HG21	12	0.25
(1,1350)	1:12:A:ARG:HD2	1:51:A:THR:HG22	12	0.25
(1,1350)	1:12:A:ARG:HD2	1:51:A:THR:HG23	12	0.25
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	4	0.25
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	4	0.25
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	4	0.25
(1,1291)	1:28:A:MET:HG3	1:31:A:VAL:HG11	14	0.25
(1,1291)	1:28:A:MET:HG3	1:31:A:VAL:HG12	14	0.25
(1,1291)	1:28:A:MET:HG3	1:31:A:VAL:HG13	14	0.25
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	3	0.25
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	3	0.25
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	3	0.25
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	3	0.25
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	11	0.25
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	16	0.25
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	18	0.25
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	18	0.25
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	18	0.25
(1,1149)	1:66:A:ASN:HB2	1:69:A:LEU:HB2	7	0.25
(1,1139)	1:56:A:LEU:HD11	1:59:A:ASP:HB2	5	0.25
(1,1139)	1:56:A:LEU:HD12	1:59:A:ASP:HB2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:56:A:LEU:HD13	1:59:A:ASP:HB2	5	0.25
(1,1139)	1:56:A:LEU:HD21	1:59:A:ASP:HB2	5	0.25
(1,1139)	1:56:A:LEU:HD22	1:59:A:ASP:HB2	5	0.25
(1,1139)	1:56:A:LEU:HD23	1:59:A:ASP:HB2	5	0.25
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	17	0.25
(1,1105)	1:38:A:LEU:HB3	1:80:A:TRP:HZ2	17	0.25
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	2	0.25
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	9	0.25
(1,916)	1:35:A:ILE:HA	1:38:A:LEU:HB3	8	0.25
(1,894)	1:91:A:GLU:HA	1:92:A:ALA:H	9	0.25
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	1	0.25
(1,866)	1:10:A:GLN:HA	1:10:A:GLN:HE22	10	0.25
(1,754)	1:83:A:LEU:HG	1:84:A:ILE:H	18	0.25
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	16	0.25
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	16	0.25
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	2	0.25
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	9	0.25
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	7	0.25
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	11	0.25
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	1	0.25
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	1	0.25
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	1	0.25
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	8	0.25
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	8	0.25
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	8	0.25
(1,567)	1:27:A:ASN:HB2	1:31:A:VAL:H	15	0.25
(1,563)	1:71:A:LYS:HA	1:74:A:LYS:H	18	0.25
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD2	8	0.25
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD3	8	0.25
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	11	0.25
(1,482)	1:10:A:GLN:H	1:13:A:ASP:H	13	0.25
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	19	0.25
(1,453)	1:58:A:ASN:H	1:58:A:ASN:HB3	5	0.25
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	15	0.25
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	14	0.25
(1,422)	1:34:A:VAL:HB	1:35:A:ILE:H	14	0.25
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG11	13	0.25
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG12	13	0.25
(1,366)	1:15:A:LEU:H	1:34:A:VAL:HG13	13	0.25
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	5	0.25
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	6	0.25
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	10	0.25
(1,271)	1:64:A:THR:HG21	1:69:A:LEU:H	15	0.25
(1,271)	1:64:A:THR:HG22	1:69:A:LEU:H	15	0.25
(1,271)	1:64:A:THR:HG23	1:69:A:LEU:H	15	0.25
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	18	0.25
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	19	0.25
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	19	0.25
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	19	0.25
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	7	0.25
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	20	0.25
(1,163)	1:46:A:GLU:HG2	1:47:A:ALA:H	7	0.25
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	19	0.25
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	20	0.25
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	20	0.25
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	15	0.25
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	9	0.25
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	7	0.24
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	2	0.24
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	2	0.24
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	2	0.24
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	14	0.24
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	17	0.24
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	18	0.24
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	3	0.24
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	2	0.24
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	10	0.24
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	15	0.24
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	3	0.24
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	1	0.24
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	20	0.24
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	6	0.24
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	14	0.24
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	11	0.24
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	9	0.24
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	9	0.24
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	9	0.24
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	9	0.24
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	9	0.24
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	9	0.24
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	9	0.24
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	9	0.24
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	9	0.24
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	9	0.24
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	9	0.24
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	9	0.24
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	9	0.24
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	9	0.24
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	9	0.24
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	9	0.24
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	9	0.24
(1,1455)	1:8:A:PRO:HB3	1:43:A:ILE:HD11	3	0.24
(1,1455)	1:8:A:PRO:HB3	1:43:A:ILE:HD12	3	0.24
(1,1455)	1:8:A:PRO:HB3	1:43:A:ILE:HD13	3	0.24
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	20	0.24
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	20	0.24
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	20	0.24
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	19	0.24
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	19	0.24
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	19	0.24
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	19	0.24
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	19	0.24
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	19	0.24
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	19	0.24
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	19	0.24
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	19	0.24
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	19	0.24
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	19	0.24
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	19	0.24
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	19	0.24
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	19	0.24
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	19	0.24
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	19	0.24
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	19	0.24
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	19	0.24
(1,1372)	1:64:A:THR:HG21	1:70:A:ALA:HA	18	0.24
(1,1372)	1:64:A:THR:HG22	1:70:A:ALA:HA	18	0.24
(1,1372)	1:64:A:THR:HG23	1:70:A:ALA:HA	18	0.24
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	2	0.24
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	2	0.24
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	2	0.24
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	5	0.24
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	5	0.24
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	1	0.24
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	1	0.24
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	1	0.24
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	1	0.24
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	1	0.24
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	1	0.24
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD11	2	0.24
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD12	2	0.24
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD13	2	0.24
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD21	2	0.24
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD22	2	0.24
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD23	2	0.24
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	7	0.24
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	15	0.24
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	15	0.24
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	17	0.24
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	17	0.24
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	1	0.24
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	11	0.24
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	16	0.24
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	12	0.24
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	6	0.24
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	6	0.24
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	17	0.24
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	17	0.24
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	13	0.24
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE2	20	0.24
(1,1114)	1:23:A:SER:HB2	1:63:A:LYS:HE3	20	0.24
(1,1063)	1:18:A:ALA:HA	1:27:A:ASN:HB2	17	0.24
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	9	0.24
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	3	0.24
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD11	15	0.24
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD12	15	0.24
(1,1005)	1:32:A:LEU:HA	1:32:A:LEU:HD13	15	0.24
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	3	0.24
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	12	0.24
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	9	0.24
(1,757)	1:84:A:ILE:H	1:84:A:ILE:HG12	11	0.24
(1,750)	1:61:A:ARG:HB2	1:63:A:LYS:H	10	0.24
(1,736)	1:82:A:LYS:H	1:88:A:HIS:HA	16	0.24
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	17	0.24
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:58:A:ASN:HD22	1:59:A:ASP:H	5	0.24
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	10	0.24
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	10	0.24
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	10	0.24
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	10	0.24
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	10	0.24
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	10	0.24
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	3	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	2	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	2	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	2	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	5	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	5	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	5	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	6	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	6	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	6	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	14	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	14	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	14	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	18	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	18	0.24
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	18	0.24
(1,556)	1:50:A:GLU:H	1:53:A:LEU:H	5	0.24
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD2	12	0.24
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD3	12	0.24
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	18	0.24
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	18	0.24
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	18	0.24
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	18	0.24
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	18	0.24
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	18	0.24
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	13	0.24
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	19	0.24
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	15	0.24
(1,422)	1:34:A:VAL:HB	1:35:A:ILE:H	8	0.24
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	6	0.24
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	6	0.24
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	6	0.24
(1,316)	1:15:A:LEU:HA	1:18:A:ALA:H	4	0.24
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	2	0.24
(1,265)	1:66:A:ASN:HB2	1:69:A:LEU:H	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	13	0.24
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	13	0.24
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	13	0.24
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	13	0.24
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	13	0.24
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	13	0.24
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	14	0.24
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	13	0.24
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	18	0.24
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	7	0.24
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	9	0.24
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	9	0.24
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	9	0.24
(1,138)	1:20:A:ASP:H	1:26:A:ARG:HA	16	0.24
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	19	0.24
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	2	0.24
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	10	0.24
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	19	0.24
(1,50)	1:65:A:LYS:H	1:66:A:ASN:HB3	20	0.24
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	1	0.23
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	9	0.23
(2,60)	1:72:A:ARG:O	1:75:A:LYS:H	9	0.23
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	8	0.23
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	2	0.23
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	16	0.23
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	20	0.23
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	4	0.23
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	17	0.23
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	3	0.23
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	14	0.23
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	10	0.23
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	15	0.23
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	9	0.23
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	3	0.23
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	3	0.23
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	3	0.23
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	4	0.23
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	4	0.23
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	4	0.23
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG21	19	0.23
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG22	19	0.23
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG23	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	2	0.23
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	2	0.23
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	2	0.23
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	11	0.23
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	11	0.23
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	11	0.23
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	19	0.23
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	19	0.23
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	19	0.23
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG11	19	0.23
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG12	19	0.23
(1,1318)	1:15:A:LEU:HA	1:34:A:VAL:HG13	19	0.23
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	10	0.23
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	10	0.23
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	10	0.23
(1,1299)	1:76:A:LEU:HD11	1:80:A:TRP:HH2	10	0.23
(1,1299)	1:76:A:LEU:HD12	1:80:A:TRP:HH2	10	0.23
(1,1299)	1:76:A:LEU:HD13	1:80:A:TRP:HH2	10	0.23
(1,1299)	1:76:A:LEU:HD21	1:80:A:TRP:HH2	10	0.23
(1,1299)	1:76:A:LEU:HD22	1:80:A:TRP:HH2	10	0.23
(1,1299)	1:76:A:LEU:HD23	1:80:A:TRP:HH2	10	0.23
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	15	0.23
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	15	0.23
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	7	0.23
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	7	0.23
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	7	0.23
(1,1254)	1:9:A:GLN:HA	1:12:A:ARG:HB2	13	0.23
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	9	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	1	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	1	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	2	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	2	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	6	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	6	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	11	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	11	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	19	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	19	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	20	0.23
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	20	0.23
(1,1197)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	1	0.23
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1173)	1:31:A:VAL:HG21	1:35:A:ILE:HB	20	0.23
(1,1173)	1:31:A:VAL:HG22	1:35:A:ILE:HB	20	0.23
(1,1173)	1:31:A:VAL:HG23	1:35:A:ILE:HB	20	0.23
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	8	0.23
(1,1144)	1:56:A:LEU:HD11	1:59:A:ASP:HB3	20	0.23
(1,1144)	1:56:A:LEU:HD12	1:59:A:ASP:HB3	20	0.23
(1,1144)	1:56:A:LEU:HD13	1:59:A:ASP:HB3	20	0.23
(1,1144)	1:56:A:LEU:HD21	1:59:A:ASP:HB3	20	0.23
(1,1144)	1:56:A:LEU:HD22	1:59:A:ASP:HB3	20	0.23
(1,1144)	1:56:A:LEU:HD23	1:59:A:ASP:HB3	20	0.23
(1,1135)	1:45:A:LYS:HA	1:48:A:LEU:HB2	6	0.23
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	7	0.23
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	7	0.23
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	6	0.23
(1,1027)	1:19:A:ILE:HA	1:26:A:ARG:HA	14	0.23
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	10	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD11	6	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD12	6	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD13	6	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD21	6	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD22	6	0.23
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD23	6	0.23
(1,935)	1:5:A:PRO:HB2	1:37:A:SER:HB3	10	0.23
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG11	20	0.23
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG12	20	0.23
(1,877)	1:27:A:ASN:HD21	1:29:A:VAL:HG13	20	0.23
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	8	0.23
(1,817)	1:66:A:ASN:HD22	1:70:A:ALA:H	17	0.23
(1,806)	1:63:A:LYS:HE2	1:64:A:THR:H	2	0.23
(1,806)	1:63:A:LYS:HE3	1:64:A:THR:H	2	0.23
(1,775)	1:48:A:LEU:HA	1:52:A:ARG:H	3	0.23
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	3	0.23
(1,692)	1:55:A:LYS:HA	1:58:A:ASN:HD21	8	0.23
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	16	0.23
(1,611)	1:27:A:ASN:H	1:30:A:ALA:H	2	0.23
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	11	0.23
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	11	0.23
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	11	0.23
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	11	0.23
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	11	0.23
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	11	0.23
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:7:A:SER:HA	1:10:A:GLN:H	13	0.23
(1,481)	1:7:A:SER:HB3	1:10:A:GLN:H	9	0.23
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	8	0.23
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	13	0.23
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	17	0.23
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	7	0.23
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	7	0.23
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	7	0.23
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	17	0.23
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	2	0.23
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	4	0.23
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	4	0.23
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	4	0.23
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	4	0.23
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	4	0.23
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	4	0.23
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	11	0.23
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	11	0.23
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	11	0.23
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	11	0.23
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	11	0.23
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	11	0.23
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	18	0.23
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	18	0.23
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	18	0.23
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	18	0.23
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	18	0.23
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	18	0.23
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	19	0.23
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	19	0.23
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	19	0.23
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	19	0.23
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	19	0.23
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	19	0.23
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	20	0.23
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	20	0.23
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	20	0.23
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	20	0.23
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	20	0.23
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	20	0.23
(1,299)	1:58:A:ASN:HA	1:61:A:ARG:H	7	0.23
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	15	0.23
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	3	0.23
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	5	0.23
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	16	0.23
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	17	0.23
(1,159)	1:44:A:THR:HB	1:47:A:ALA:H	19	0.23
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	6	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	1	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	1	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	1	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	2	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	2	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	2	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	3	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	3	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	3	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	4	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	4	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	4	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	5	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	5	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	5	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	6	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	6	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	6	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	10	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	10	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	10	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	13	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	13	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	13	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	15	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	15	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	15	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	19	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	19	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	19	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	20	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	20	0.23
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	20	0.23
(1,151)	1:30:A:ALA:HB1	1:34:A:VAL:H	1	0.23
(1,151)	1:30:A:ALA:HB2	1:34:A:VAL:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:30:A:ALA:HB3	1:34:A:VAL:H	1	0.23
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	12	0.23
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	18	0.23
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	17	0.23
(1,11)	1:19:A:ILE:HD11	1:23:A:SER:H	5	0.23
(1,11)	1:19:A:ILE:HD12	1:23:A:SER:H	5	0.23
(1,11)	1:19:A:ILE:HD13	1:23:A:SER:H	5	0.23
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	19	0.22
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	14	0.22
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	18	0.22
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	2	0.22
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	5	0.22
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	3	0.22
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	13	0.22
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	6	0.22
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	2	0.22
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	5	0.22
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	17	0.22
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	15	0.22
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	10	0.22
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	15	0.22
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	20	0.22
(1,1517)	1:77:A:LEU:HA	1:80:A:TRP:HZ3	18	0.22
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	4	0.22
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	4	0.22
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	4	0.22
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	6	0.22
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	6	0.22
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	6	0.22
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	17	0.22
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	17	0.22
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	17	0.22
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	9	0.22
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	9	0.22
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	9	0.22
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	13	0.22
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	13	0.22
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	13	0.22
(1,1341)	1:44:A:THR:HG21	1:46:A:GLU:HB2	11	0.22
(1,1341)	1:44:A:THR:HG22	1:46:A:GLU:HB2	11	0.22
(1,1341)	1:44:A:THR:HG23	1:46:A:GLU:HB2	11	0.22
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	13	0.22
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	13	0.22
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	13	0.22
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	13	0.22
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	13	0.22
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD11	1	0.22
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD12	1	0.22
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD13	1	0.22
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD21	1	0.22
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD22	1	0.22
(1,1221)	1:39:A:GLU:HB2	1:76:A:LEU:HD23	1	0.22
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	10	0.22
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	10	0.22
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	16	0.22
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	10	0.22
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	18	0.22
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG2	14	0.22
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG3	14	0.22
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	12	0.22
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	12	0.22
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	9	0.22
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	9	0.22
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	9	0.22
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	9	0.22
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	17	0.22
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	7	0.22
(1,1009)	1:77:A:LEU:HA	1:77:A:LEU:HG	11	0.22
(1,1009)	1:77:A:LEU:HA	1:77:A:LEU:HG	18	0.22
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB2	18	0.22
(1,977)	1:75:A:LYS:HA	1:78:A:ARG:HB3	18	0.22
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	3	0.22
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	6	0.22
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD11	17	0.22
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD12	17	0.22
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD13	17	0.22
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD21	17	0.22
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD22	17	0.22
(1,937)	1:37:A:SER:HB3	1:38:A:LEU:HD23	17	0.22
(1,894)	1:91:A:GLU:HA	1:92:A:ALA:H	5	0.22
(1,892)	1:17:A:GLN:HE22	1:30:A:ALA:H	7	0.22
(1,884)	1:14:A:ARG:H	1:17:A:GLN:HE21	5	0.22
(1,876)	1:18:A:ALA:H	1:27:A:ASN:HD21	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:77:A:LEU:HD11	1:81:A:GLN:HE21	16	0.22
(1,858)	1:77:A:LEU:HD12	1:81:A:GLN:HE21	16	0.22
(1,858)	1:77:A:LEU:HD13	1:81:A:GLN:HE21	16	0.22
(1,858)	1:77:A:LEU:HD21	1:81:A:GLN:HE21	16	0.22
(1,858)	1:77:A:LEU:HD22	1:81:A:GLN:HE21	16	0.22
(1,858)	1:77:A:LEU:HD23	1:81:A:GLN:HE21	16	0.22
(1,856)	1:54:A:GLY:HA3	1:81:A:GLN:HE21	5	0.22
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	14	0.22
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	20	0.22
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	8	0.22
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	12	0.22
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	19	0.22
(1,620)	1:18:A:ALA:HB1	1:27:A:ASN:H	8	0.22
(1,620)	1:18:A:ALA:HB2	1:27:A:ASN:H	8	0.22
(1,620)	1:18:A:ALA:HB3	1:27:A:ASN:H	8	0.22
(1,591)	1:76:A:LEU:HD11	1:79:A:SER:H	12	0.22
(1,591)	1:76:A:LEU:HD12	1:79:A:SER:H	12	0.22
(1,591)	1:76:A:LEU:HD13	1:79:A:SER:H	12	0.22
(1,591)	1:76:A:LEU:HD21	1:79:A:SER:H	12	0.22
(1,591)	1:76:A:LEU:HD22	1:79:A:SER:H	12	0.22
(1,591)	1:76:A:LEU:HD23	1:79:A:SER:H	12	0.22
(1,558)	1:27:A:ASN:HA	1:31:A:VAL:H	7	0.22
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	10	0.22
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	11	0.22
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	14	0.22
(1,429)	1:75:A:LYS:H	1:78:A:ARG:H	11	0.22
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	10	0.22
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	19	0.22
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG21	15	0.22
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG22	15	0.22
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG23	15	0.22
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	6	0.22
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	6	0.22
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	6	0.22
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	12	0.22
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	17	0.22
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	16	0.22
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	16	0.22
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	16	0.22
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	16	0.22
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	16	0.22
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:58:A:ASN:HB2	1:61:A:ARG:H	4	0.22
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	5	0.22
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	13	0.22
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	16	0.22
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	15	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	8	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	8	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	8	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	8	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	8	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	8	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	20	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	20	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	20	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	20	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	20	0.22
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	20	0.22
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	16	0.22
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	8	0.22
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	8	0.22
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	8	0.22
(1,178)	1:48:A:LEU:H	1:53:A:LEU:HD11	15	0.22
(1,178)	1:48:A:LEU:H	1:53:A:LEU:HD12	15	0.22
(1,178)	1:48:A:LEU:H	1:53:A:LEU:HD13	15	0.22
(1,178)	1:48:A:LEU:H	1:53:A:LEU:HD21	15	0.22
(1,178)	1:48:A:LEU:H	1:53:A:LEU:HD22	15	0.22
(1,178)	1:48:A:LEU:H	1:53:A:LEU:HD23	15	0.22
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	4	0.22
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	20	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	7	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	7	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	7	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	11	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	11	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	11	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG11	17	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG12	17	0.22
(1,152)	1:34:A:VAL:H	1:34:A:VAL:HG13	17	0.22
(1,141)	1:24:A:ASN:HB3	1:25:A:ILE:H	7	0.22
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	9	0.22
(1,127)	1:20:A:ASP:H	1:26:A:ARG:HD2	2	0.22
(1,127)	1:20:A:ASP:H	1:26:A:ARG:HD3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:20:A:ASP:H	1:23:A:SER:H	13	0.22
(1,120)	1:89:A:GLN:H	1:91:A:GLU:H	13	0.22
(1,114)	1:52:A:ARG:HB2	1:55:A:LYS:H	9	0.22
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	5	0.22
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	3	0.22
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	3	0.22
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	3	0.22
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	9	0.21
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	8	0.21
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	14	0.21
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	7	0.21
(2,57)	1:71:A:LYS:O	1:74:A:LYS:N	15	0.21
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	1	0.21
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	6	0.21
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	11	0.21
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	15	0.21
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	1	0.21
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	17	0.21
(2,25)	1:33:A:GLU:O	1:36:A:SER:N	12	0.21
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	6	0.21
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	17	0.21
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	6	0.21
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	19	0.21
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	19	0.21
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	3	0.21
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	12	0.21
(1,1507)	1:57:A:ILE:HB	1:80:A:TRP:HE3	20	0.21
(1,1505)	1:43:A:ILE:HD11	1:80:A:TRP:HE3	15	0.21
(1,1505)	1:43:A:ILE:HD12	1:80:A:TRP:HE3	15	0.21
(1,1505)	1:43:A:ILE:HD13	1:80:A:TRP:HE3	15	0.21
(1,1502)	1:77:A:LEU:HG	1:80:A:TRP:HE3	6	0.21
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	6	0.21
(1,1483)	1:42:A:PRO:HB2	1:80:A:TRP:HD1	13	0.21
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	18	0.21
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	18	0.21
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	18	0.21
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD11	19	0.21
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD12	19	0.21
(1,1445)	1:15:A:LEU:HB2	1:19:A:ILE:HD13	19	0.21
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	16	0.21
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	16	0.21
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	16	0.21
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	16	0.21
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	16	0.21
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	16	0.21
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	16	0.21
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	16	0.21
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	16	0.21
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	16	0.21
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	16	0.21
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	16	0.21
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	16	0.21
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	16	0.21
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	16	0.21
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	16	0.21
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	16	0.21
(1,1427)	1:43:A:ILE:HG21	1:80:A:TRP:HD1	16	0.21
(1,1427)	1:43:A:ILE:HG22	1:80:A:TRP:HD1	16	0.21
(1,1427)	1:43:A:ILE:HG23	1:80:A:TRP:HD1	16	0.21
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG21	3	0.21
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG22	3	0.21
(1,1410)	1:15:A:LEU:HA	1:19:A:ILE:HG23	3	0.21
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	6	0.21
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	6	0.21
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	6	0.21
(1,1377)	1:47:A:ALA:HB1	1:51:A:THR:HB	18	0.21
(1,1377)	1:47:A:ALA:HB2	1:51:A:THR:HB	18	0.21
(1,1377)	1:47:A:ALA:HB3	1:51:A:THR:HB	18	0.21
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG21	14	0.21
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG22	14	0.21
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG23	14	0.21
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD11	3	0.21
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD12	3	0.21
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD13	3	0.21
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD21	3	0.21
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD22	3	0.21
(1,1343)	1:44:A:THR:HG21	1:83:A:LEU:HD23	3	0.21
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD11	3	0.21
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD12	3	0.21
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD13	3	0.21
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD21	3	0.21
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD22	3	0.21
(1,1343)	1:44:A:THR:HG22	1:83:A:LEU:HD23	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD11	3	0.21
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD12	3	0.21
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD13	3	0.21
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD21	3	0.21
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD22	3	0.21
(1,1343)	1:44:A:THR:HG23	1:83:A:LEU:HD23	3	0.21
(1,1335)	1:18:A:ALA:HB1	1:27:A:ASN:HB2	5	0.21
(1,1335)	1:18:A:ALA:HB2	1:27:A:ASN:HB2	5	0.21
(1,1335)	1:18:A:ALA:HB3	1:27:A:ASN:HB2	5	0.21
(1,1297)	1:76:A:LEU:HD11	1:80:A:TRP:HZ2	7	0.21
(1,1297)	1:76:A:LEU:HD12	1:80:A:TRP:HZ2	7	0.21
(1,1297)	1:76:A:LEU:HD13	1:80:A:TRP:HZ2	7	0.21
(1,1297)	1:76:A:LEU:HD21	1:80:A:TRP:HZ2	7	0.21
(1,1297)	1:76:A:LEU:HD22	1:80:A:TRP:HZ2	7	0.21
(1,1297)	1:76:A:LEU:HD23	1:80:A:TRP:HZ2	7	0.21
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	4	0.21
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	4	0.21
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	4	0.21
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	4	0.21
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	4	0.21
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	4	0.21
(1,1222)	1:47:A:ALA:HB1	1:50:A:GLU:HB2	9	0.21
(1,1222)	1:47:A:ALA:HB2	1:50:A:GLU:HB2	9	0.21
(1,1222)	1:47:A:ALA:HB3	1:50:A:GLU:HB2	9	0.21
(1,1216)	1:82:A:LYS:HB2	1:88:A:HIS:HB2	1	0.21
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	9	0.21
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	9	0.21
(1,1197)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	15	0.21
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD11	1	0.21
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD12	1	0.21
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD13	1	0.21
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD21	1	0.21
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD22	1	0.21
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD23	1	0.21
(1,1107)	1:38:A:LEU:HB3	1:80:A:TRP:HH2	12	0.21
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	18	0.21
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	8	0.21
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG2	8	0.21
(1,1072)	1:20:A:ASP:HA	1:26:A:ARG:HG3	8	0.21
(1,1046)	1:72:A:ARG:HB2	1:73:A:ALA:HA	14	0.21
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD2	1	0.21
(1,1026)	1:80:A:TRP:HA	1:82:A:LYS:HD3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	3	0.21
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	2	0.21
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	20	0.21
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	13	0.21
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB1	10	0.21
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB2	10	0.21
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB3	10	0.21
(1,926)	1:34:A:VAL:HA	1:37:A:SER:HB2	3	0.21
(1,897)	1:9:A:GLN:HA	1:51:A:THR:HB	4	0.21
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	20	0.21
(1,874)	1:77:A:LEU:HA	1:81:A:GLN:HE21	5	0.21
(1,864)	1:26:A:ARG:HB2	1:27:A:ASN:HD21	12	0.21
(1,858)	1:77:A:LEU:HD11	1:81:A:GLN:HE21	5	0.21
(1,858)	1:77:A:LEU:HD12	1:81:A:GLN:HE21	5	0.21
(1,858)	1:77:A:LEU:HD13	1:81:A:GLN:HE21	5	0.21
(1,858)	1:77:A:LEU:HD21	1:81:A:GLN:HE21	5	0.21
(1,858)	1:77:A:LEU:HD22	1:81:A:GLN:HE21	5	0.21
(1,858)	1:77:A:LEU:HD23	1:81:A:GLN:HE21	5	0.21
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	19	0.21
(1,835)	1:27:A:ASN:HD21	1:30:A:ALA:H	8	0.21
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	19	0.21
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	12	0.21
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	16	0.21
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	8	0.21
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	9	0.21
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	14	0.21
(1,708)	1:7:A:SER:HA	1:9:A:GLN:H	4	0.21
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	12	0.21
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	12	0.21
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	12	0.21
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	5	0.21
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	7	0.21
(1,653)	1:24:A:ASN:H	1:24:A:ASN:HB2	20	0.21
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG11	12	0.21
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG12	12	0.21
(1,583)	1:31:A:VAL:H	1:31:A:VAL:HG13	12	0.21
(1,556)	1:50:A:GLU:H	1:53:A:LEU:H	11	0.21
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	18	0.21
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	2	0.21
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	16	0.21
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	3	0.21
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	20	0.21
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	17	0.21
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	17	0.21
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	17	0.21
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	3	0.21
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	1	0.21
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	1	0.21
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	1	0.21
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	14	0.21
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	14	0.21
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	8	0.21
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD11	5	0.21
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD12	5	0.21
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD13	5	0.21
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD21	5	0.21
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD22	5	0.21
(1,219)	1:45:A:LYS:H	1:83:A:LEU:HD23	5	0.21
(1,203)	1:35:A:ILE:HG12	1:38:A:LEU:H	9	0.21
(1,201)	1:38:A:LEU:H	1:42:A:PRO:HA	14	0.21
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	9	0.21
(1,193)	1:72:A:ARG:HB2	1:73:A:ALA:H	10	0.21
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	20	0.21
(1,160)	1:44:A:THR:HA	1:47:A:ALA:H	2	0.21
(1,124)	1:89:A:GLN:HB3	1:91:A:GLU:H	1	0.21
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	12	0.21
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	3	0.21
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	5	0.21
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	5	0.2
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	19	0.2
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	1	0.2
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	20	0.2
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	16	0.2
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	4	0.2
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	9	0.2
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	15	0.2
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	15	0.2
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	8	0.2
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	12	0.2
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	5	0.2
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	1	0.2
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	5	0.2
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	9	0.2
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	5	0.2
(1,1488)	1:80:A:TRP:HD1	1:82:A:LYS:H	1	0.2
(1,1474)	1:35:A:ILE:HA	1:35:A:ILE:HD11	9	0.2
(1,1474)	1:35:A:ILE:HA	1:35:A:ILE:HD12	9	0.2
(1,1474)	1:35:A:ILE:HA	1:35:A:ILE:HD13	9	0.2
(1,1411)	1:19:A:ILE:HG21	1:25:A:ILE:HA	2	0.2
(1,1411)	1:19:A:ILE:HG22	1:25:A:ILE:HA	2	0.2
(1,1411)	1:19:A:ILE:HG23	1:25:A:ILE:HA	2	0.2
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG11	4	0.2
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG12	4	0.2
(1,1399)	1:25:A:ILE:HG21	1:31:A:VAL:HG13	4	0.2
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG11	4	0.2
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG12	4	0.2
(1,1399)	1:25:A:ILE:HG22	1:31:A:VAL:HG13	4	0.2
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG11	4	0.2
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG12	4	0.2
(1,1399)	1:25:A:ILE:HG23	1:31:A:VAL:HG13	4	0.2
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	3	0.2
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	3	0.2
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	3	0.2
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	6	0.2
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	6	0.2
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	6	0.2
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	6	0.2
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	6	0.2
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	6	0.2
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	6	0.2
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	6	0.2
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	6	0.2
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	3	0.2
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	3	0.2
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	3	0.2
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	3	0.2
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	3	0.2
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	3	0.2
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	3	0.2
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	3	0.2
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	3	0.2
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	3	0.2
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	3	0.2
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	3	0.2
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	3	0.2
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	3	0.2
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	3	0.2
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	3	0.2
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	3	0.2
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	3	0.2
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	3	0.2
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	3	0.2
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	3	0.2
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	3	0.2
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	3	0.2
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	3	0.2
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	3	0.2
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	3	0.2
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	3	0.2
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	3	0.2
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	3	0.2
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	3	0.2
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	3	0.2
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	3	0.2
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	3	0.2
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	3	0.2
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	3	0.2
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	7	0.2
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	7	0.2
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	7	0.2
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	7	0.2
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	7	0.2
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	7	0.2
(1,1263)	1:45:A:LYS:HA	1:48:A:LEU:HG	7	0.2
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD11	16	0.2
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD12	16	0.2
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD13	16	0.2
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD21	16	0.2
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD22	16	0.2
(1,1237)	1:80:A:TRP:HB2	1:83:A:LEU:HD23	16	0.2
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	9	0.2
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	9	0.2
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	9	0.2
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	9	0.2
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	17	0.2
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	17	0.2
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	17	0.2
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG2	14	0.2
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG3	14	0.2
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	16	0.2
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	16	0.2
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	16	0.2
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	11	0.2
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	11	0.2
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	19	0.2
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	19	0.2
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	19	0.2
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG2	16	0.2
(1,1128)	1:20:A:ASP:HB3	1:26:A:ARG:HG3	16	0.2
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	15	0.2
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	14	0.2
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	14	0.2
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	14	0.2
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	14	0.2
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	14	0.2
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	14	0.2
(1,1094)	1:45:A:LYS:HA	1:83:A:LEU:HB2	14	0.2
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	13	0.2
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	2	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	7	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	7	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	7	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	7	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	7	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	7	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	14	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	14	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	14	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	14	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	14	0.2
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	14	0.2
(1,970)	1:9:A:GLN:HA	1:12:A:ARG:HD2	20	0.2
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	14	0.2
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG2	2	0.2
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG3	2	0.2
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB1	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB2	15	0.2
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB3	15	0.2
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	2	0.2
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	4	0.2
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	8	0.2
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	16	0.2
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	19	0.2
(1,708)	1:7:A:SER:HA	1:9:A:GLN:H	13	0.2
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	6	0.2
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	6	0.2
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	6	0.2
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	17	0.2
(1,691)	1:13:A:ASP:HB2	1:16:A:LEU:H	9	0.2
(1,682)	1:40:A:LYS:H	1:42:A:PRO:HD3	4	0.2
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	15	0.2
(1,669)	1:57:A:ILE:H	1:58:A:ASN:HB2	8	0.2
(1,610)	1:27:A:ASN:H	1:31:A:VAL:HB	1	0.2
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	3	0.2
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	15	0.2
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	13	0.2
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	6	0.2
(1,482)	1:10:A:GLN:H	1:13:A:ASP:H	3	0.2
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	4	0.2
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	5	0.2
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	16	0.2
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	20	0.2
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	20	0.2
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	20	0.2
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	5	0.2
(1,271)	1:64:A:THR:HG21	1:69:A:LEU:H	16	0.2
(1,271)	1:64:A:THR:HG22	1:69:A:LEU:H	16	0.2
(1,271)	1:64:A:THR:HG23	1:69:A:LEU:H	16	0.2
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	10	0.2
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	10	0.2
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	10	0.2
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	4	0.2
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	16	0.2
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	3	0.2
(1,126)	1:20:A:ASP:H	1:23:A:SER:H	16	0.2
(1,96)	1:80:A:TRP:H	1:80:A:TRP:HE3	11	0.2
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	2	0.2
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	11	0.2
(1,92)	1:48:A:LEU:HD21	1:80:A:TRP:H	16	0.2
(1,92)	1:48:A:LEU:HD22	1:80:A:TRP:H	16	0.2
(1,92)	1:48:A:LEU:HD23	1:80:A:TRP:H	16	0.2
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	3	0.2
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	13	0.2
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	13	0.2
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	13	0.2
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	13	0.2
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	13	0.2
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	13	0.2
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	6	0.19
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	4	0.19
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	9	0.19
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	8	0.19
(2,67)	1:76:A:LEU:O	1:79:A:SER:N	6	0.19
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	5	0.19
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	7	0.19
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	1	0.19
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	9	0.19
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	6	0.19
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	17	0.19
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	10	0.19
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	11	0.19
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	2	0.19
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	2	0.19
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	18	0.19
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	8	0.19
(2,2)	1:8:A:PRO:O	1:11:A:ILE:H	7	0.19
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	11	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	1	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	1	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	1	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	1	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	1	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	1	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	1	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	1	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	1	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	2	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	2	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	2	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	2	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	2	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	2	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	2	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	2	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	3	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	3	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	3	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	3	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	3	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	3	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	3	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	3	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	3	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	4	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	4	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	4	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	4	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	4	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	4	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	4	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	4	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	4	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	5	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	5	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	5	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	5	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	5	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	5	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	5	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	5	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	5	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	6	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	6	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	6	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	6	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	6	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	6	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	6	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	6	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	7	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	7	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	7	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	7	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	7	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	7	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	7	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	7	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	7	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	10	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	10	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	10	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	10	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	10	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	10	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	10	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	10	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	10	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	13	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	13	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	13	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	13	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	13	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	13	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	13	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	13	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	13	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	14	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	14	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	14	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	14	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	14	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	14	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	14	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	14	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	14	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	16	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	16	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	16	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	16	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	16	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	16	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	16	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	16	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	17	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	17	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	17	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	17	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	17	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	17	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	17	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	17	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	17	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	18	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	18	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	18	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	18	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	18	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	18	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	18	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	18	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	18	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	19	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	19	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	19	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	19	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	19	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	19	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	19	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	19	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	19	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	20	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	20	0.19
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	20	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	20	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	20	0.19
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	20	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	20	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	20	0.19
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	20	0.19
(1,1434)	1:43:A:ILE:HG21	1:48:A:LEU:HG	2	0.19
(1,1434)	1:43:A:ILE:HG22	1:48:A:LEU:HG	2	0.19
(1,1434)	1:43:A:ILE:HG23	1:48:A:LEU:HG	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	6	0.19
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	6	0.19
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	6	0.19
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	6	0.19
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	6	0.19
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	6	0.19
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	6	0.19
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	6	0.19
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	6	0.19
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	4	0.19
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	4	0.19
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	4	0.19
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	12	0.19
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	12	0.19
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	12	0.19
(1,1376)	1:11:A:ILE:HG21	1:37:A:SER:HB3	18	0.19
(1,1376)	1:11:A:ILE:HG22	1:37:A:SER:HB3	18	0.19
(1,1376)	1:11:A:ILE:HG23	1:37:A:SER:HB3	18	0.19
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	10	0.19
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	10	0.19
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	10	0.19
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	10	0.19
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	10	0.19
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	10	0.19
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	10	0.19
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	10	0.19
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	10	0.19
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	10	0.19
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	10	0.19
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	12	0.19
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	12	0.19
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	12	0.19
(1,1256)	1:9:A:GLN:HB3	1:10:A:GLN:HA	20	0.19
(1,1249)	1:57:A:ILE:HG12	1:81:A:GLN:HE21	1	0.19
(1,1238)	1:45:A:LYS:HA	1:80:A:TRP:HB2	11	0.19
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	11	0.19
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	11	0.19
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	11	0.19
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	11	0.19
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	14	0.19
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	15	0.19
(1,1182)	1:7:A:SER:HB3	1:9:A:GLN:HG3	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	9	0.19
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG2	4	0.19
(1,1165)	1:29:A:VAL:HG21	1:33:A:GLU:HG3	4	0.19
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG2	4	0.19
(1,1165)	1:29:A:VAL:HG22	1:33:A:GLU:HG3	4	0.19
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG2	4	0.19
(1,1165)	1:29:A:VAL:HG23	1:33:A:GLU:HG3	4	0.19
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	4	0.19
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	4	0.19
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	4	0.19
(1,1150)	1:66:A:ASN:HB2	1:69:A:LEU:HB3	10	0.19
(1,1081)	1:5:A:PRO:HB2	1:6:A:ALA:HA	13	0.19
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	10	0.19
(1,1027)	1:19:A:ILE:HA	1:26:A:ARG:HA	7	0.19
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	3	0.19
(1,1022)	1:58:A:ASN:HA	1:61:A:ARG:HB2	8	0.19
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD11	8	0.19
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD12	8	0.19
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD13	8	0.19
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD21	8	0.19
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD22	8	0.19
(1,997)	1:39:A:GLU:HA	1:76:A:LEU:HD23	8	0.19
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	6	0.19
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	5	0.19
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	16	0.19
(1,956)	1:46:A:GLU:HA	1:46:A:GLU:HG3	12	0.19
(1,912)	1:60:A:VAL:HA	1:63:A:LYS:HB3	3	0.19
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB1	2	0.19
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB2	2	0.19
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB3	2	0.19
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	9	0.19
(1,742)	1:25:A:ILE:HD11	1:63:A:LYS:H	6	0.19
(1,742)	1:25:A:ILE:HD12	1:63:A:LYS:H	6	0.19
(1,742)	1:25:A:ILE:HD13	1:63:A:LYS:H	6	0.19
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	12	0.19
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	17	0.19
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	18	0.19
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD2	4	0.19
(1,552)	1:71:A:LYS:H	1:71:A:LYS:HD3	4	0.19
(1,455)	1:5:A:PRO:HB2	1:10:A:GLN:H	12	0.19
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	9	0.19
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	7	0.19
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	17	0.19
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	5	0.19
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	17	0.19
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	17	0.19
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	17	0.19
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG11	1	0.19
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG12	1	0.19
(1,358)	1:14:A:ARG:H	1:34:A:VAL:HG13	1	0.19
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	15	0.19
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	14	0.19
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	17	0.19
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	17	0.19
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	17	0.19
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	17	0.19
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	17	0.19
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	17	0.19
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	8	0.19
(1,292)	1:68:A:GLU:HB2	1:70:A:ALA:H	2	0.19
(1,292)	1:68:A:GLU:HB3	1:70:A:ALA:H	2	0.19
(1,232)	1:11:A:ILE:HD11	1:41:A:TYR:H	7	0.19
(1,232)	1:11:A:ILE:HD12	1:41:A:TYR:H	7	0.19
(1,232)	1:11:A:ILE:HD13	1:41:A:TYR:H	7	0.19
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	1	0.19
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	16	0.19
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	16	0.19
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	17	0.19
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	17	0.19
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	17	0.19
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	1	0.19
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	19	0.19
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	12	0.19
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	7	0.19
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	9	0.19
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	13	0.19
(1,115)	1:48:A:LEU:HD11	1:80:A:TRP:H	20	0.19
(1,115)	1:48:A:LEU:HD12	1:80:A:TRP:H	20	0.19
(1,115)	1:48:A:LEU:HD13	1:80:A:TRP:H	20	0.19
(1,88)	1:84:A:ILE:HG21	1:85:A:GLU:H	8	0.19
(1,88)	1:84:A:ILE:HG22	1:85:A:GLU:H	8	0.19
(1,88)	1:84:A:ILE:HG23	1:85:A:GLU:H	8	0.19
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	5	0.19
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	5	0.19
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	1	0.19
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	1	0.19
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	1	0.19
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	12	0.19
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	12	0.19
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	12	0.19
(2,67)	1:76:A:LEU:O	1:79:A:SER:N	19	0.18
(2,61)	1:73:A:ALA:O	1:76:A:LEU:N	13	0.18
(2,53)	1:69:A:LEU:O	1:72:A:ARG:N	14	0.18
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	1	0.18
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	6	0.18
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	17	0.18
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	20	0.18
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	19	0.18
(2,36)	1:52:A:ARG:O	1:55:A:LYS:H	16	0.18
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	10	0.18
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	7	0.18
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	10	0.18
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	9	0.18
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	10	0.18
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	3	0.18
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	20	0.18
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	9	0.18
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	20	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	8	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	8	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	8	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	8	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	8	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	8	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	8	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	8	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	8	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	11	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	11	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	11	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	11	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	11	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	11	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	11	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	11	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	12	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	12	0.18
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	12	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	12	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	12	0.18
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	12	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	12	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	12	0.18
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	12	0.18
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD11	12	0.18
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD12	12	0.18
(1,1452)	1:38:A:LEU:HA	1:43:A:ILE:HD13	12	0.18
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	12	0.18
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	12	0.18
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	12	0.18
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG21	18	0.18
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG22	18	0.18
(1,1419)	1:34:A:VAL:HG21	1:35:A:ILE:HG23	18	0.18
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG21	18	0.18
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG22	18	0.18
(1,1419)	1:34:A:VAL:HG22	1:35:A:ILE:HG23	18	0.18
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG21	18	0.18
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG22	18	0.18
(1,1419)	1:34:A:VAL:HG23	1:35:A:ILE:HG23	18	0.18
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	6	0.18
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	6	0.18
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	6	0.18
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG21	18	0.18
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG22	18	0.18
(1,1352)	1:9:A:GLN:HB2	1:51:A:THR:HG23	18	0.18
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG21	11	0.18
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG22	11	0.18
(1,1344)	1:28:A:MET:HA	1:31:A:VAL:HG23	11	0.18
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG11	3	0.18
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG12	3	0.18
(1,1321)	1:18:A:ALA:HB1	1:34:A:VAL:HG13	3	0.18
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG11	3	0.18
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG12	3	0.18
(1,1321)	1:18:A:ALA:HB2	1:34:A:VAL:HG13	3	0.18
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG11	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG12	3	0.18
(1,1321)	1:18:A:ALA:HB3	1:34:A:VAL:HG13	3	0.18
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	6	0.18
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	6	0.18
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	6	0.18
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	13	0.18
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	13	0.18
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	13	0.18
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	16	0.18
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	16	0.18
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	16	0.18
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	16	0.18
(1,1205)	1:85:A:GLU:HA	1:86:A:PRO:HB2	1	0.18
(1,1191)	1:63:A:LYS:HB2	1:64:A:THR:HA	20	0.18
(1,1188)	1:16:A:LEU:HD11	1:17:A:GLN:HG3	18	0.18
(1,1188)	1:16:A:LEU:HD12	1:17:A:GLN:HG3	18	0.18
(1,1188)	1:16:A:LEU:HD13	1:17:A:GLN:HG3	18	0.18
(1,1188)	1:16:A:LEU:HD21	1:17:A:GLN:HG3	18	0.18
(1,1188)	1:16:A:LEU:HD22	1:17:A:GLN:HG3	18	0.18
(1,1188)	1:16:A:LEU:HD23	1:17:A:GLN:HG3	18	0.18
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	13	0.18
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	6	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	1	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	1	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	1	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	1	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	1	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	1	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	6	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	6	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	6	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	6	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	6	0.18
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	6	0.18
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	16	0.18
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	4	0.18
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	6	0.18
(1,968)	1:9:A:GLN:HA	1:9:A:GLN:HG3	18	0.18
(1,927)	1:11:A:ILE:HD11	1:37:A:SER:HB2	1	0.18
(1,927)	1:11:A:ILE:HD12	1:37:A:SER:HB2	1	0.18
(1,927)	1:11:A:ILE:HD13	1:37:A:SER:HB2	1	0.18
(1,894)	1:91:A:GLU:HA	1:92:A:ALA:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	8	0.18
(1,818)	1:66:A:ASN:HD21	1:69:A:LEU:HA	11	0.18
(1,729)	1:58:A:ASN:HB3	1:62:A:LYS:H	2	0.18
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	7	0.18
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	7	0.18
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	11	0.18
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	11	0.18
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	3	0.18
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	10	0.18
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	7	0.18
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG2	13	0.18
(1,660)	1:24:A:ASN:H	1:63:A:LYS:HG3	13	0.18
(1,490)	1:37:A:SER:HB2	1:39:A:GLU:H	15	0.18
(1,477)	1:13:A:ASP:H	1:13:A:ASP:HB3	7	0.18
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	18	0.18
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	6	0.18
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	16	0.18
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	1	0.18
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	4	0.18
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	11	0.18
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	2	0.18
(1,401)	1:47:A:ALA:H	1:49:A:GLU:H	3	0.18
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB1	12	0.18
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB2	12	0.18
(1,382)	1:68:A:GLU:H	1:70:A:ALA:HB3	12	0.18
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	5	0.18
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	5	0.18
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	5	0.18
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	5	0.18
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	5	0.18
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	5	0.18
(1,323)	1:16:A:LEU:HD11	1:18:A:ALA:H	8	0.18
(1,323)	1:16:A:LEU:HD12	1:18:A:ALA:H	8	0.18
(1,323)	1:16:A:LEU:HD13	1:18:A:ALA:H	8	0.18
(1,323)	1:16:A:LEU:HD21	1:18:A:ALA:H	8	0.18
(1,323)	1:16:A:LEU:HD22	1:18:A:ALA:H	8	0.18
(1,323)	1:16:A:LEU:HD23	1:18:A:ALA:H	8	0.18
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	9	0.18
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	2	0.18
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	1	0.18
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	7	0.18
(1,279)	1:32:A:LEU:HD11	1:33:A:GLU:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:32:A:LEU:HD12	1:33:A:GLU:H	16	0.18
(1,279)	1:32:A:LEU:HD13	1:33:A:GLU:H	16	0.18
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	5	0.18
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	5	0.18
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	8	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	1	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	1	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	1	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	3	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	3	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	3	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB1	20	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB2	20	0.18
(1,185)	1:66:A:ASN:H	1:70:A:ALA:HB3	20	0.18
(1,166)	1:45:A:LYS:HB3	1:47:A:ALA:H	1	0.18
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	9	0.18
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	1	0.18
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	6	0.18
(1,141)	1:24:A:ASN:HB3	1:25:A:ILE:H	5	0.18
(1,141)	1:24:A:ASN:HB3	1:25:A:ILE:H	11	0.18
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	16	0.18
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	2	0.18
(1,21)	1:38:A:LEU:HD11	1:80:A:TRP:HE1	1	0.18
(1,21)	1:38:A:LEU:HD12	1:80:A:TRP:HE1	1	0.18
(1,21)	1:38:A:LEU:HD13	1:80:A:TRP:HE1	1	0.18
(1,21)	1:38:A:LEU:HD21	1:80:A:TRP:HE1	1	0.18
(1,21)	1:38:A:LEU:HD22	1:80:A:TRP:HE1	1	0.18
(1,21)	1:38:A:LEU:HD23	1:80:A:TRP:HE1	1	0.18
(2,69)	1:77:A:LEU:O	1:80:A:TRP:N	12	0.17
(2,67)	1:76:A:LEU:O	1:79:A:SER:N	10	0.17
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	11	0.17
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	20	0.17
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	19	0.17
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	8	0.17
(2,44)	1:56:A:LEU:O	1:59:A:ASP:H	15	0.17
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	11	0.17
(2,42)	1:55:A:LYS:O	1:58:A:ASN:H	19	0.17
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	18	0.17
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	4	0.17
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	7	0.17
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	9	0.17
(2,23)	1:32:A:LEU:O	1:35:A:ILE:N	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	2	0.17
(1,1513)	1:82:A:LYS:HB3	1:88:A:HIS:HD2	14	0.17
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG2	18	0.17
(1,1512)	1:88:A:HIS:HD2	1:91:A:GLU:HG3	18	0.17
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	2	0.17
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	2	0.17
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	2	0.17
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	16	0.17
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	16	0.17
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	16	0.17
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD11	15	0.17
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD12	15	0.17
(1,1479)	1:35:A:ILE:HG21	1:35:A:ILE:HD13	15	0.17
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD11	15	0.17
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD12	15	0.17
(1,1479)	1:35:A:ILE:HG22	1:35:A:ILE:HD13	15	0.17
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD11	15	0.17
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD12	15	0.17
(1,1479)	1:35:A:ILE:HG23	1:35:A:ILE:HD13	15	0.17
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD11	18	0.17
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD12	18	0.17
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD13	18	0.17
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD21	18	0.17
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD22	18	0.17
(1,1382)	1:11:A:ILE:HA	1:38:A:LEU:HD23	18	0.17
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG21	20	0.17
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG22	20	0.17
(1,1357)	1:15:A:LEU:HB3	1:34:A:VAL:HG23	20	0.17
(1,1256)	1:9:A:GLN:HB3	1:10:A:GLN:HA	3	0.17
(1,1254)	1:9:A:GLN:HA	1:12:A:ARG:HB2	15	0.17
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	15	0.17
(1,1224)	1:41:A:TYR:HA	1:42:A:PRO:HB2	3	0.17
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD11	8	0.17
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD12	8	0.17
(1,1210)	1:28:A:MET:HG3	1:32:A:LEU:HD13	8	0.17
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	11	0.17
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD2	14	0.17
(1,1199)	1:71:A:LYS:HB3	1:71:A:LYS:HD3	14	0.17
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG21	2	0.17
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG22	2	0.17
(1,1179)	1:9:A:GLN:HG2	1:51:A:THR:HG23	2	0.17
(1,1174)	1:57:A:ILE:HB	1:80:A:TRP:HZ3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	3	0.17
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	8	0.17
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	11	0.17
(1,1065)	1:18:A:ALA:HA	1:26:A:ARG:HB2	2	0.17
(1,1039)	1:41:A:TYR:HA	1:42:A:PRO:HB3	14	0.17
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	2	0.17
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	2	0.17
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	4	0.17
(1,882)	1:22:A:GLN:HE21	1:24:A:ASN:H	10	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	8	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	8	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	8	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	14	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	14	0.17
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	14	0.17
(1,800)	1:63:A:LYS:HB2	1:64:A:THR:H	17	0.17
(1,796)	1:16:A:LEU:HD11	1:19:A:ILE:H	4	0.17
(1,796)	1:16:A:LEU:HD12	1:19:A:ILE:H	4	0.17
(1,796)	1:16:A:LEU:HD13	1:19:A:ILE:H	4	0.17
(1,796)	1:16:A:LEU:HD21	1:19:A:ILE:H	4	0.17
(1,796)	1:16:A:LEU:HD22	1:19:A:ILE:H	4	0.17
(1,796)	1:16:A:LEU:HD23	1:19:A:ILE:H	4	0.17
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	8	0.17
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	8	0.17
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	1	0.17
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	6	0.17
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	14	0.17
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	18	0.17
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	18	0.17
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	18	0.17
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	18	0.17
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	18	0.17
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	18	0.17
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	20	0.17
(1,606)	1:56:A:LEU:H	1:59:A:ASP:HB2	8	0.17
(1,578)	1:28:A:MET:HA	1:31:A:VAL:H	4	0.17
(1,571)	1:81:A:GLN:HB2	1:83:A:LEU:H	13	0.17
(1,556)	1:50:A:GLU:H	1:53:A:LEU:H	15	0.17
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	10	0.17
(1,531)	1:48:A:LEU:HB2	1:50:A:GLU:H	3	0.17
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	7	0.17
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:59:A:ASP:HB2	1:60:A:VAL:H	17	0.17
(1,487)	1:72:A:ARG:H	1:75:A:LYS:H	4	0.17
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	7	0.17
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	2	0.17
(1,422)	1:34:A:VAL:HB	1:35:A:ILE:H	12	0.17
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	7	0.17
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	15	0.17
(1,299)	1:58:A:ASN:HA	1:61:A:ARG:H	11	0.17
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	13	0.17
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD2	4	0.17
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD3	4	0.17
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	2	0.17
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	2	0.17
(1,194)	1:72:A:ARG:HB3	1:73:A:ALA:H	1	0.17
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	6	0.17
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	9	0.17
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	10	0.17
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	5	0.17
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	18	0.17
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB1	16	0.17
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB2	16	0.17
(1,74)	1:85:A:GLU:H	1:87:A:ALA:HB3	16	0.17
(1,43)	1:48:A:LEU:HD21	1:54:A:GLY:H	9	0.17
(1,43)	1:48:A:LEU:HD22	1:54:A:GLY:H	9	0.17
(1,43)	1:48:A:LEU:HD23	1:54:A:GLY:H	9	0.17
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	8	0.16
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	14	0.16
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	16	0.16
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	3	0.16
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	4	0.16
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	8	0.16
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	8	0.16
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	20	0.16
(2,54)	1:69:A:LEU:O	1:72:A:ARG:H	16	0.16
(2,53)	1:69:A:LEU:O	1:72:A:ARG:N	11	0.16
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	16	0.16
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	19	0.16
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	3	0.16
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	2	0.16
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	14	0.16
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	18	0.16
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	16	0.16
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	12	0.16
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	8	0.16
(2,3)	1:9:A:GLN:O	1:12:A:ARG:N	7	0.16
(2,1)	1:8:A:PRO:O	1:11:A:ILE:N	19	0.16
(1,1520)	1:56:A:LEU:H	1:80:A:TRP:HZ3	20	0.16
(1,1511)	1:82:A:LYS:HE2	1:88:A:HIS:HD2	11	0.16
(1,1511)	1:82:A:LYS:HE3	1:88:A:HIS:HD2	11	0.16
(1,1498)	1:57:A:ILE:HG13	1:80:A:TRP:HH2	2	0.16
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	6	0.16
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	6	0.16
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	6	0.16
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD11	19	0.16
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD12	19	0.16
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD13	19	0.16
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD21	19	0.16
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD22	19	0.16
(1,1296)	1:39:A:GLU:HG2	1:76:A:LEU:HD23	19	0.16
(1,1285)	1:75:A:LYS:HG2	1:76:A:LEU:HA	1	0.16
(1,1285)	1:75:A:LYS:HG3	1:76:A:LEU:HA	1	0.16
(1,1262)	1:43:A:ILE:HD11	1:48:A:LEU:HG	9	0.16
(1,1262)	1:43:A:ILE:HD12	1:48:A:LEU:HG	9	0.16
(1,1262)	1:43:A:ILE:HD13	1:48:A:LEU:HG	9	0.16
(1,1256)	1:9:A:GLN:HB3	1:10:A:GLN:HA	5	0.16
(1,1249)	1:57:A:ILE:HG12	1:81:A:GLN:HE21	3	0.16
(1,1244)	1:82:A:LYS:HD2	1:83:A:LEU:HA	13	0.16
(1,1244)	1:82:A:LYS:HD3	1:83:A:LEU:HA	13	0.16
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	2	0.16
(1,1225)	1:38:A:LEU:HD11	1:42:A:PRO:HB3	11	0.16
(1,1225)	1:38:A:LEU:HD12	1:42:A:PRO:HB3	11	0.16
(1,1225)	1:38:A:LEU:HD13	1:42:A:PRO:HB3	11	0.16
(1,1225)	1:38:A:LEU:HD21	1:42:A:PRO:HB3	11	0.16
(1,1225)	1:38:A:LEU:HD22	1:42:A:PRO:HB3	11	0.16
(1,1225)	1:38:A:LEU:HD23	1:42:A:PRO:HB3	11	0.16
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	12	0.16
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	9	0.16
(1,1116)	1:24:A:ASN:HA	1:63:A:LYS:HE2	11	0.16
(1,1116)	1:24:A:ASN:HA	1:63:A:LYS:HE3	11	0.16
(1,991)	1:10:A:GLN:HA	1:13:A:ASP:HB2	8	0.16
(1,946)	1:64:A:THR:HA	1:65:A:LYS:HB3	4	0.16
(1,901)	1:15:A:LEU:HA	1:31:A:VAL:HA	5	0.16
(1,853)	1:6:A:ALA:HB1	1:10:A:GLN:HE21	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:6:A:ALA:HB2	1:10:A:GLN:HE21	6	0.16
(1,853)	1:6:A:ALA:HB3	1:10:A:GLN:HE21	6	0.16
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD11	4	0.16
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD12	4	0.16
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD13	4	0.16
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD21	4	0.16
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD22	4	0.16
(1,812)	1:66:A:ASN:HD21	1:69:A:LEU:HD23	4	0.16
(1,807)	1:60:A:VAL:HG11	1:64:A:THR:H	3	0.16
(1,807)	1:60:A:VAL:HG12	1:64:A:THR:H	3	0.16
(1,807)	1:60:A:VAL:HG13	1:64:A:THR:H	3	0.16
(1,807)	1:60:A:VAL:HG11	1:64:A:THR:H	6	0.16
(1,807)	1:60:A:VAL:HG12	1:64:A:THR:H	6	0.16
(1,807)	1:60:A:VAL:HG13	1:64:A:THR:H	6	0.16
(1,768)	1:34:A:VAL:H	1:36:A:SER:H	15	0.16
(1,752)	1:84:A:ILE:H	1:85:A:GLU:HG2	14	0.16
(1,752)	1:84:A:ILE:H	1:85:A:GLU:HG3	14	0.16
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	12	0.16
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	16	0.16
(1,732)	1:22:A:GLN:H	1:24:A:ASN:HD22	4	0.16
(1,689)	1:58:A:ASN:HD22	1:59:A:ASP:H	7	0.16
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	16	0.16
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	19	0.16
(1,641)	1:43:A:ILE:HD11	1:53:A:LEU:H	5	0.16
(1,641)	1:43:A:ILE:HD12	1:53:A:LEU:H	5	0.16
(1,641)	1:43:A:ILE:HD13	1:53:A:LEU:H	5	0.16
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	20	0.16
(1,611)	1:27:A:ASN:H	1:30:A:ALA:H	18	0.16
(1,525)	1:28:A:MET:HG3	1:29:A:VAL:H	1	0.16
(1,505)	1:75:A:LYS:H	1:78:A:ARG:HG3	20	0.16
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	18	0.16
(1,490)	1:37:A:SER:HB2	1:39:A:GLU:H	12	0.16
(1,486)	1:10:A:GLN:H	1:12:A:ARG:HB3	8	0.16
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	5	0.16
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	10	0.16
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	15	0.16
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	4	0.16
(1,379)	1:66:A:ASN:HB2	1:68:A:GLU:H	18	0.16
(1,345)	1:15:A:LEU:H	1:18:A:ALA:H	16	0.16
(1,325)	1:18:A:ALA:H	1:27:A:ASN:HB3	15	0.16
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	11	0.16
(1,292)	1:68:A:GLU:HB2	1:70:A:ALA:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:68:A:GLU:HB3	1:70:A:ALA:H	12	0.16
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	17	0.16
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	9	0.16
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	9	0.16
(1,217)	1:45:A:LYS:H	1:45:A:LYS:HB3	4	0.16
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	19	0.16
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	15	0.16
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	10	0.16
(1,84)	1:85:A:GLU:H	1:87:A:ALA:H	5	0.16
(1,83)	1:8:A:PRO:HA	1:43:A:ILE:H	10	0.16
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	11	0.16
(1,50)	1:65:A:LYS:H	1:66:A:ASN:HB3	1	0.16
(1,19)	1:43:A:ILE:HA	1:80:A:TRP:HE1	11	0.16
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	6	0.15
(2,67)	1:76:A:LEU:O	1:79:A:SER:N	12	0.15
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	17	0.15
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	3	0.15
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	12	0.15
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	14	0.15
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	20	0.15
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	13	0.15
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	7	0.15
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	7	0.15
(2,6)	1:10:A:GLN:O	1:13:A:ASP:H	3	0.15
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	13	0.15
(1,1510)	1:57:A:ILE:H	1:80:A:TRP:HE3	3	0.15
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	5	0.15
(1,1485)	1:45:A:LYS:H	1:80:A:TRP:HD1	5	0.15
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD11	15	0.15
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD12	15	0.15
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD13	15	0.15
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD11	15	0.15
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD12	15	0.15
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD13	15	0.15
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD11	15	0.15
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD12	15	0.15
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD13	15	0.15
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	2	0.15
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	2	0.15
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	2	0.15
(1,1385)	1:4:A:ALA:HB1	1:5:A:PRO:HD3	12	0.15
(1,1385)	1:4:A:ALA:HB2	1:5:A:PRO:HD3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:4:A:ALA:HB3	1:5:A:PRO:HD3	12	0.15
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB1	14	0.15
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB2	14	0.15
(1,1381)	1:82:A:LYS:HA	1:87:A:ALA:HB3	14	0.15
(1,1346)	1:31:A:VAL:HG21	1:34:A:VAL:HB	19	0.15
(1,1346)	1:31:A:VAL:HG22	1:34:A:VAL:HB	19	0.15
(1,1346)	1:31:A:VAL:HG23	1:34:A:VAL:HB	19	0.15
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD11	8	0.15
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD12	8	0.15
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD13	8	0.15
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD21	8	0.15
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD22	8	0.15
(1,1274)	1:80:A:TRP:HA	1:83:A:LEU:HD23	8	0.15
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD11	10	0.15
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD12	10	0.15
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD13	10	0.15
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD21	10	0.15
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD22	10	0.15
(1,1270)	1:15:A:LEU:HB2	1:16:A:LEU:HD23	10	0.15
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	11	0.15
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	11	0.15
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	11	0.15
(1,1247)	1:57:A:ILE:HG13	1:81:A:GLN:HE21	19	0.15
(1,1241)	1:82:A:LYS:HA	1:82:A:LYS:HD2	1	0.15
(1,1241)	1:82:A:LYS:HA	1:82:A:LYS:HD3	1	0.15
(1,1193)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	18	0.15
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG21	10	0.15
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG22	10	0.15
(1,1181)	1:9:A:GLN:HG3	1:51:A:THR:HG23	10	0.15
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG2	1	0.15
(1,1169)	1:88:A:HIS:HB3	1:91:A:GLU:HG3	1	0.15
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	3	0.15
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	3	0.15
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	3	0.15
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD11	14	0.15
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD12	14	0.15
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD13	14	0.15
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD21	14	0.15
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD22	14	0.15
(1,1145)	1:13:A:ASP:HB3	1:16:A:LEU:HD23	14	0.15
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE2	6	0.15
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE2	20	0.15
(1,1112)	1:63:A:LYS:HA	1:63:A:LYS:HE3	20	0.15
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	5	0.15
(1,1101)	1:38:A:LEU:HB2	1:80:A:TRP:HZ2	12	0.15
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	16	0.15
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	16	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	2	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	2	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	2	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	2	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	2	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	2	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	15	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	15	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	15	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	15	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	15	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	15	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	17	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	17	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	17	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	17	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	17	0.15
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	17	0.15
(1,1007)	1:77:A:LEU:HA	1:80:A:TRP:HB3	19	0.15
(1,969)	1:9:A:GLN:HA	1:12:A:ARG:HB3	15	0.15
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	2	0.15
(1,910)	1:8:A:PRO:HA	1:11:A:ILE:HB	15	0.15
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	2	0.15
(1,712)	1:8:A:PRO:HB3	1:9:A:GLN:H	15	0.15
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	1	0.15
(1,665)	1:49:A:GLU:H	1:53:A:LEU:H	19	0.15
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	5	0.15
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	13	0.15
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	1	0.15
(1,562)	1:74:A:LYS:H	1:76:A:LEU:H	9	0.15
(1,525)	1:28:A:MET:HG3	1:29:A:VAL:H	16	0.15
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD11	9	0.15
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD12	9	0.15
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD13	9	0.15
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD21	9	0.15
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD22	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:39:A:GLU:H	1:76:A:LEU:HD23	9	0.15
(1,493)	1:59:A:ASP:HB2	1:60:A:VAL:H	13	0.15
(1,443)	1:59:A:ASP:H	1:59:A:ASP:HB3	3	0.15
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	14	0.15
(1,424)	1:35:A:ILE:H	1:35:A:ILE:HG12	1	0.15
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	20	0.15
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	9	0.15
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG21	13	0.15
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG22	13	0.15
(1,367)	1:15:A:LEU:H	1:34:A:VAL:HG23	13	0.15
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	11	0.15
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	5	0.15
(1,355)	1:14:A:ARG:H	1:17:A:GLN:H	9	0.15
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD2	8	0.15
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD3	8	0.15
(1,279)	1:32:A:LEU:HD11	1:33:A:GLU:H	4	0.15
(1,279)	1:32:A:LEU:HD12	1:33:A:GLU:H	4	0.15
(1,279)	1:32:A:LEU:HD13	1:33:A:GLU:H	4	0.15
(1,225)	1:41:A:TYR:H	1:42:A:PRO:HD2	19	0.15
(1,217)	1:45:A:LYS:H	1:45:A:LYS:HB3	12	0.15
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	13	0.15
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	10	0.15
(1,126)	1:20:A:ASP:H	1:23:A:SER:H	14	0.15
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	4	0.15
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	20	0.15
(1,89)	1:85:A:GLU:H	1:88:A:HIS:HD2	7	0.15
(1,78)	1:6:A:ALA:H	1:41:A:TYR:HB3	15	0.15
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	3	0.15
(1,21)	1:38:A:LEU:HD11	1:80:A:TRP:HE1	15	0.15
(1,21)	1:38:A:LEU:HD12	1:80:A:TRP:HE1	15	0.15
(1,21)	1:38:A:LEU:HD13	1:80:A:TRP:HE1	15	0.15
(1,21)	1:38:A:LEU:HD21	1:80:A:TRP:HE1	15	0.15
(1,21)	1:38:A:LEU:HD22	1:80:A:TRP:HE1	15	0.15
(1,21)	1:38:A:LEU:HD23	1:80:A:TRP:HE1	15	0.15
(1,9)	1:22:A:GLN:HB2	1:23:A:SER:H	16	0.15
(2,71)	1:78:A:ARG:O	1:81:A:GLN:N	18	0.14
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	2	0.14
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	17	0.14
(2,68)	1:76:A:LEU:O	1:79:A:SER:H	11	0.14
(2,63)	1:74:A:LYS:O	1:77:A:LEU:N	12	0.14
(2,53)	1:69:A:LEU:O	1:72:A:ARG:N	7	0.14
(2,47)	1:58:A:ASN:O	1:61:A:ARG:N	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	2	0.14
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	11	0.14
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	12	0.14
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	17	0.14
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	5	0.14
(2,35)	1:52:A:ARG:O	1:55:A:LYS:N	15	0.14
(2,33)	1:46:A:GLU:O	1:49:A:GLU:N	7	0.14
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	3	0.14
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	5	0.14
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	13	0.14
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	8	0.14
(2,8)	1:11:A:ILE:O	1:14:A:ARG:H	3	0.14
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	5	0.14
(1,1527)	1:53:A:LEU:HB3	1:80:A:TRP:HZ3	3	0.14
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD11	13	0.14
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD12	13	0.14
(1,1476)	1:18:A:ALA:HB1	1:35:A:ILE:HD13	13	0.14
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD11	13	0.14
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD12	13	0.14
(1,1476)	1:18:A:ALA:HB2	1:35:A:ILE:HD13	13	0.14
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD11	13	0.14
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD12	13	0.14
(1,1476)	1:18:A:ALA:HB3	1:35:A:ILE:HD13	13	0.14
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	10	0.14
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	10	0.14
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	10	0.14
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	20	0.14
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	20	0.14
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	20	0.14
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	8	0.14
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	8	0.14
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	8	0.14
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	8	0.14
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	8	0.14
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	8	0.14
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	8	0.14
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	8	0.14
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	8	0.14
(1,1412)	1:19:A:ILE:HG21	1:23:A:SER:HA	6	0.14
(1,1412)	1:19:A:ILE:HG22	1:23:A:SER:HA	6	0.14
(1,1412)	1:19:A:ILE:HG23	1:23:A:SER:HA	6	0.14
(1,1363)	1:60:A:VAL:HG21	1:73:A:ALA:HB1	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1363)	1:60:A:VAL:HG21	1:73:A:ALA:HB2	11	0.14
(1,1363)	1:60:A:VAL:HG21	1:73:A:ALA:HB3	11	0.14
(1,1363)	1:60:A:VAL:HG22	1:73:A:ALA:HB1	11	0.14
(1,1363)	1:60:A:VAL:HG22	1:73:A:ALA:HB2	11	0.14
(1,1363)	1:60:A:VAL:HG22	1:73:A:ALA:HB3	11	0.14
(1,1363)	1:60:A:VAL:HG23	1:73:A:ALA:HB1	11	0.14
(1,1363)	1:60:A:VAL:HG23	1:73:A:ALA:HB2	11	0.14
(1,1363)	1:60:A:VAL:HG23	1:73:A:ALA:HB3	11	0.14
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG11	17	0.14
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG12	17	0.14
(1,1315)	1:31:A:VAL:HA	1:34:A:VAL:HG13	17	0.14
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD11	13	0.14
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD12	13	0.14
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD13	13	0.14
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD21	13	0.14
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD22	13	0.14
(1,1311)	1:43:A:ILE:HG12	1:53:A:LEU:HD23	13	0.14
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD11	13	0.14
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD12	13	0.14
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD13	13	0.14
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD21	13	0.14
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD22	13	0.14
(1,1301)	1:38:A:LEU:HD11	1:76:A:LEU:HD23	13	0.14
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD11	13	0.14
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD12	13	0.14
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD13	13	0.14
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD21	13	0.14
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD22	13	0.14
(1,1301)	1:38:A:LEU:HD12	1:76:A:LEU:HD23	13	0.14
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD11	13	0.14
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD12	13	0.14
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD13	13	0.14
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD21	13	0.14
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD22	13	0.14
(1,1301)	1:38:A:LEU:HD13	1:76:A:LEU:HD23	13	0.14
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD11	13	0.14
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD12	13	0.14
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD13	13	0.14
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD21	13	0.14
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD22	13	0.14
(1,1301)	1:38:A:LEU:HD21	1:76:A:LEU:HD23	13	0.14
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD11	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD12	13	0.14
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD13	13	0.14
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD21	13	0.14
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD22	13	0.14
(1,1301)	1:38:A:LEU:HD22	1:76:A:LEU:HD23	13	0.14
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD11	13	0.14
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD12	13	0.14
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD13	13	0.14
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD21	13	0.14
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD22	13	0.14
(1,1301)	1:38:A:LEU:HD23	1:76:A:LEU:HD23	13	0.14
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	10	0.14
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	10	0.14
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	10	0.14
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	10	0.14
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	10	0.14
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	10	0.14
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	10	0.14
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	10	0.14
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	10	0.14
(1,1260)	1:51:A:THR:HG21	1:52:A:ARG:HB3	16	0.14
(1,1260)	1:51:A:THR:HG22	1:52:A:ARG:HB3	16	0.14
(1,1260)	1:51:A:THR:HG23	1:52:A:ARG:HB3	16	0.14
(1,1224)	1:41:A:TYR:HA	1:42:A:PRO:HB2	11	0.14
(1,1217)	1:33:A:GLU:HB2	1:34:A:VAL:HB	12	0.14
(1,1215)	1:19:A:ILE:HA	1:26:A:ARG:HB3	15	0.14
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	8	0.14
(1,1139)	1:56:A:LEU:HD11	1:59:A:ASP:HB2	7	0.14
(1,1139)	1:56:A:LEU:HD12	1:59:A:ASP:HB2	7	0.14
(1,1139)	1:56:A:LEU:HD13	1:59:A:ASP:HB2	7	0.14
(1,1139)	1:56:A:LEU:HD21	1:59:A:ASP:HB2	7	0.14
(1,1139)	1:56:A:LEU:HD22	1:59:A:ASP:HB2	7	0.14
(1,1139)	1:56:A:LEU:HD23	1:59:A:ASP:HB2	7	0.14
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	3	0.14
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	3	0.14
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	3	0.14
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	3	0.14
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	3	0.14
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	3	0.14
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	11	0.14
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	11	0.14
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	19	0.14
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD11	4	0.14
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD12	4	0.14
(1,1082)	1:6:A:ALA:HA	1:11:A:ILE:HD13	4	0.14
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	7	0.14
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	18	0.14
(1,1006)	1:77:A:LEU:HA	1:80:A:TRP:HE3	2	0.14
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	3	0.14
(1,1001)	1:13:A:ASP:HA	1:16:A:LEU:HB3	6	0.14
(1,991)	1:10:A:GLN:HA	1:13:A:ASP:HB2	13	0.14
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG2	13	0.14
(1,980)	1:19:A:ILE:HA	1:26:A:ARG:HG3	13	0.14
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	8	0.14
(1,892)	1:17:A:GLN:HE22	1:30:A:ALA:H	3	0.14
(1,874)	1:77:A:LEU:HA	1:81:A:GLN:HE21	16	0.14
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	4	0.14
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	12	0.14
(1,805)	1:61:A:ARG:HA	1:64:A:THR:H	10	0.14
(1,792)	1:19:A:ILE:H	1:27:A:ASN:HB3	4	0.14
(1,760)	1:36:A:SER:H	1:38:A:LEU:HB2	17	0.14
(1,689)	1:58:A:ASN:HD22	1:59:A:ASP:H	15	0.14
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	3	0.14
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	13	0.14
(1,637)	1:12:A:ARG:HD3	1:53:A:LEU:H	1	0.14
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	20	0.14
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	6	0.14
(1,525)	1:28:A:MET:HG3	1:29:A:VAL:H	9	0.14
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	16	0.14
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	16	0.14
(1,459)	1:21:A:PRO:HA	1:24:A:ASN:HD22	16	0.14
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	20	0.14
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	9	0.14
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	20	0.14
(1,344)	1:30:A:ALA:H	1:33:A:GLU:HG2	13	0.14
(1,344)	1:30:A:ALA:H	1:33:A:GLU:HG3	13	0.14
(1,299)	1:58:A:ASN:HA	1:61:A:ARG:H	19	0.14
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	2	0.14
(1,298)	1:59:A:ASP:HB3	1:61:A:ARG:H	17	0.14
(1,293)	1:69:A:LEU:HB2	1:70:A:ALA:H	12	0.14
(1,217)	1:45:A:LYS:H	1:45:A:LYS:HB3	1	0.14
(1,217)	1:45:A:LYS:H	1:45:A:LYS:HB3	5	0.14
(1,200)	1:38:A:LEU:H	1:39:A:GLU:HG2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	10	0.14
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	12	0.14
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	9	0.14
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	2	0.14
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	13	0.14
(1,133)	1:66:A:ASN:H	1:70:A:ALA:HA	16	0.14
(1,125)	1:91:A:GLU:H	1:92:A:ALA:HA	16	0.14
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB1	13	0.14
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB2	13	0.14
(1,116)	1:91:A:GLU:H	1:92:A:ALA:HB3	13	0.14
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	1	0.14
(1,93)	1:76:A:LEU:HA	1:80:A:TRP:H	8	0.14
(1,91)	1:6:A:ALA:H	1:10:A:GLN:HE22	13	0.14
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	12	0.14
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	11	0.13
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	14	0.13
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	19	0.13
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	1	0.13
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	4	0.13
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	20	0.13
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	19	0.13
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	6	0.13
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	16	0.13
(2,7)	1:11:A:ILE:O	1:14:A:ARG:N	1	0.13
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	14	0.13
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	14	0.13
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	14	0.13
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	5	0.13
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	5	0.13
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	5	0.13
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG21	10	0.13
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG22	10	0.13
(1,1407)	1:54:A:GLY:HA3	1:57:A:ILE:HG23	10	0.13
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG2	18	0.13
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG3	18	0.13
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG2	18	0.13
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG3	18	0.13
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG2	18	0.13
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG3	18	0.13
(1,1396)	1:25:A:ILE:HG21	1:28:A:MET:HA	2	0.13
(1,1396)	1:25:A:ILE:HG22	1:28:A:MET:HA	2	0.13
(1,1396)	1:25:A:ILE:HG23	1:28:A:MET:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	10	0.13
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	10	0.13
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	10	0.13
(1,1336)	1:18:A:ALA:HB1	1:27:A:ASN:HB3	9	0.13
(1,1336)	1:18:A:ALA:HB2	1:27:A:ASN:HB3	9	0.13
(1,1336)	1:18:A:ALA:HB3	1:27:A:ASN:HB3	9	0.13
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG11	14	0.13
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG12	14	0.13
(1,1319)	1:17:A:GLN:HE21	1:34:A:VAL:HG13	14	0.13
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD11	10	0.13
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD12	10	0.13
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD13	10	0.13
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD21	10	0.13
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD22	10	0.13
(1,1300)	1:38:A:LEU:HA	1:76:A:LEU:HD23	10	0.13
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG11	17	0.13
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG12	17	0.13
(1,1289)	1:25:A:ILE:HA	1:31:A:VAL:HG13	17	0.13
(1,1263)	1:45:A:LYS:HA	1:48:A:LEU:HG	6	0.13
(1,1256)	1:9:A:GLN:HB3	1:10:A:GLN:HA	2	0.13
(1,1249)	1:57:A:ILE:HG12	1:81:A:GLN:HE21	20	0.13
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD2	3	0.13
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD3	3	0.13
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	3	0.13
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	20	0.13
(1,1172)	1:33:A:GLU:HA	1:35:A:ILE:HB	4	0.13
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG2	8	0.13
(1,1167)	1:88:A:HIS:HA	1:91:A:GLU:HG3	8	0.13
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	2	0.13
(1,1116)	1:24:A:ASN:HA	1:63:A:LYS:HE2	9	0.13
(1,1116)	1:24:A:ASN:HA	1:63:A:LYS:HE3	9	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD11	13	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD12	13	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD13	13	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD21	13	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD22	13	0.13
(1,1037)	1:83:A:LEU:HA	1:83:A:LEU:HD23	13	0.13
(1,1024)	1:45:A:LYS:HB2	1:80:A:TRP:HA	17	0.13
(1,883)	1:17:A:GLN:HB2	1:27:A:ASN:HD21	15	0.13
(1,871)	1:9:A:GLN:HG3	1:10:A:GLN:HE21	14	0.13
(1,843)	1:18:A:ALA:HB1	1:27:A:ASN:HD21	8	0.13
(1,843)	1:18:A:ALA:HB2	1:27:A:ASN:HD21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:18:A:ALA:HB3	1:27:A:ASN:HD21	8	0.13
(1,835)	1:27:A:ASN:HD21	1:30:A:ALA:H	1	0.13
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	20	0.13
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	20	0.13
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	20	0.13
(1,814)	1:66:A:ASN:HD21	1:69:A:LEU:HB3	20	0.13
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB1	19	0.13
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB2	19	0.13
(1,802)	1:64:A:THR:H	1:70:A:ALA:HB3	19	0.13
(1,760)	1:36:A:SER:H	1:38:A:LEU:HB2	12	0.13
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	11	0.13
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	15	0.13
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	16	0.13
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG11	20	0.13
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG12	20	0.13
(1,706)	1:16:A:LEU:H	1:34:A:VAL:HG13	20	0.13
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	18	0.13
(1,669)	1:57:A:ILE:H	1:58:A:ASN:HB2	16	0.13
(1,663)	1:34:A:VAL:HB	1:37:A:SER:H	8	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	2	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	5	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	8	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	9	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	14	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	16	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	17	0.13
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	19	0.13
(1,523)	1:29:A:VAL:H	1:31:A:VAL:H	17	0.13
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	19	0.13
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	10	0.13
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	11	0.13
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	15	0.13
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	19	0.13
(1,404)	1:28:A:MET:HA	1:32:A:LEU:H	16	0.13
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG21	19	0.13
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG22	19	0.13
(1,396)	1:12:A:ARG:H	1:51:A:THR:HG23	19	0.13
(1,379)	1:66:A:ASN:HB2	1:68:A:GLU:H	11	0.13
(1,299)	1:58:A:ASN:HA	1:61:A:ARG:H	5	0.13
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	1	0.13
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	1	0.13
(1,279)	1:32:A:LEU:HD11	1:33:A:GLU:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:32:A:LEU:HD12	1:33:A:GLU:H	19	0.13
(1,279)	1:32:A:LEU:HD13	1:33:A:GLU:H	19	0.13
(1,272)	1:76:A:LEU:H	1:79:A:SER:H	3	0.13
(1,258)	1:10:A:GLN:HE22	1:11:A:ILE:H	6	0.13
(1,239)	1:76:A:LEU:H	1:78:A:ARG:HG3	20	0.13
(1,233)	1:39:A:GLU:HB3	1:41:A:TYR:H	9	0.13
(1,233)	1:39:A:GLU:HB3	1:41:A:TYR:H	18	0.13
(1,227)	1:41:A:TYR:H	1:42:A:PRO:HD3	18	0.13
(1,191)	1:46:A:GLU:HG3	1:48:A:LEU:H	3	0.13
(1,164)	1:46:A:GLU:HB2	1:47:A:ALA:H	17	0.13
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	10	0.13
(1,136)	1:20:A:ASP:H	1:22:A:GLN:H	15	0.13
(1,123)	1:82:A:LYS:HD2	1:87:A:ALA:H	18	0.13
(1,123)	1:82:A:LYS:HD3	1:87:A:ALA:H	18	0.13
(1,122)	1:82:A:LYS:HB3	1:87:A:ALA:H	2	0.13
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	2	0.13
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	3	0.13
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	8	0.13
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	19	0.13
(1,50)	1:65:A:LYS:H	1:66:A:ASN:HB3	19	0.13
(2,72)	1:78:A:ARG:O	1:81:A:GLN:H	12	0.12
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	10	0.12
(2,65)	1:75:A:LYS:O	1:78:A:ARG:N	16	0.12
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	4	0.12
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	6	0.12
(2,62)	1:73:A:ALA:O	1:76:A:LEU:H	19	0.12
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	8	0.12
(2,55)	1:70:A:ALA:O	1:73:A:ALA:N	13	0.12
(2,43)	1:56:A:LEU:O	1:59:A:ASP:N	16	0.12
(2,40)	1:54:A:GLY:O	1:57:A:ILE:H	8	0.12
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	6	0.12
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	12	0.12
(2,38)	1:53:A:LEU:O	1:56:A:LEU:H	1	0.12
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	11	0.12
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	20	0.12
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	4	0.12
(2,11)	1:13:A:ASP:O	1:16:A:LEU:N	9	0.12
(1,1523)	1:56:A:LEU:HD11	1:80:A:TRP:HZ3	17	0.12
(1,1523)	1:56:A:LEU:HD12	1:80:A:TRP:HZ3	17	0.12
(1,1523)	1:56:A:LEU:HD13	1:80:A:TRP:HZ3	17	0.12
(1,1523)	1:56:A:LEU:HD21	1:80:A:TRP:HZ3	17	0.12
(1,1523)	1:56:A:LEU:HD22	1:80:A:TRP:HZ3	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:56:A:LEU:HD23	1:80:A:TRP:HZ3	17	0.12
(1,1504)	1:43:A:ILE:HG21	1:80:A:TRP:HE3	14	0.12
(1,1504)	1:43:A:ILE:HG22	1:80:A:TRP:HE3	14	0.12
(1,1504)	1:43:A:ILE:HG23	1:80:A:TRP:HE3	14	0.12
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	12	0.12
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	20	0.12
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	20	0.12
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	20	0.12
(1,1482)	1:5:A:PRO:HD2	1:41:A:TYR:HD1	4	0.12
(1,1482)	1:5:A:PRO:HD2	1:41:A:TYR:HD2	4	0.12
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	17	0.12
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	17	0.12
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	17	0.12
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	10	0.12
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	10	0.12
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	10	0.12
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG11	16	0.12
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG12	16	0.12
(1,1415)	1:19:A:ILE:HG21	1:31:A:VAL:HG13	16	0.12
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG11	16	0.12
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG12	16	0.12
(1,1415)	1:19:A:ILE:HG22	1:31:A:VAL:HG13	16	0.12
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG11	16	0.12
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG12	16	0.12
(1,1415)	1:19:A:ILE:HG23	1:31:A:VAL:HG13	16	0.12
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG2	5	0.12
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG3	5	0.12
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG2	5	0.12
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG3	5	0.12
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG2	5	0.12
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG3	5	0.12
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG2	10	0.12
(1,1400)	1:25:A:ILE:HG21	1:63:A:LYS:HG3	10	0.12
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG2	10	0.12
(1,1400)	1:25:A:ILE:HG22	1:63:A:LYS:HG3	10	0.12
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG2	10	0.12
(1,1400)	1:25:A:ILE:HG23	1:63:A:LYS:HG3	10	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	1	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	1	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	1	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	2	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	2	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	6	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	6	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	6	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	8	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	8	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	8	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	12	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	12	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	12	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	14	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	14	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	14	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	18	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	18	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	18	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	19	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	19	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	19	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	20	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	20	0.12
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	20	0.12
(1,1298)	1:76:A:LEU:HD11	1:80:A:TRP:HD1	10	0.12
(1,1298)	1:76:A:LEU:HD12	1:80:A:TRP:HD1	10	0.12
(1,1298)	1:76:A:LEU:HD13	1:80:A:TRP:HD1	10	0.12
(1,1298)	1:76:A:LEU:HD21	1:80:A:TRP:HD1	10	0.12
(1,1298)	1:76:A:LEU:HD22	1:80:A:TRP:HD1	10	0.12
(1,1298)	1:76:A:LEU:HD23	1:80:A:TRP:HD1	10	0.12
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	10	0.12
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	10	0.12
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	10	0.12
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	18	0.12
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	18	0.12
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	18	0.12
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	18	0.12
(1,1224)	1:41:A:TYR:HA	1:42:A:PRO:HB2	10	0.12
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE2	11	0.12
(1,1208)	1:45:A:LYS:HB3	1:82:A:LYS:HE3	11	0.12
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	2	0.12
(1,1201)	1:65:A:LYS:HB2	1:66:A:ASN:HB2	3	0.12
(1,1196)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	8	0.12
(1,1156)	1:64:A:THR:HG21	1:66:A:ASN:HB3	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:64:A:THR:HG22	1:66:A:ASN:HB3	13	0.12
(1,1156)	1:64:A:THR:HG23	1:66:A:ASN:HB3	13	0.12
(1,1108)	1:80:A:TRP:HA	1:83:A:LEU:HB3	14	0.12
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD11	11	0.12
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD12	11	0.12
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD13	11	0.12
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD21	11	0.12
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD22	11	0.12
(1,1106)	1:38:A:LEU:HB3	1:76:A:LEU:HD23	11	0.12
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	7	0.12
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	6	0.12
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	6	0.12
(1,1085)	1:4:A:ALA:HB1	1:5:A:PRO:HD2	11	0.12
(1,1085)	1:4:A:ALA:HB2	1:5:A:PRO:HD2	11	0.12
(1,1085)	1:4:A:ALA:HB3	1:5:A:PRO:HD2	11	0.12
(1,1081)	1:5:A:PRO:HB2	1:6:A:ALA:HA	1	0.12
(1,1076)	1:18:A:ALA:HA	1:27:A:ASN:HA	20	0.12
(1,1039)	1:41:A:TYR:HA	1:42:A:PRO:HB3	5	0.12
(1,1039)	1:41:A:TYR:HA	1:42:A:PRO:HB3	7	0.12
(1,1008)	1:57:A:ILE:HG12	1:77:A:LEU:HA	11	0.12
(1,1006)	1:77:A:LEU:HA	1:80:A:TRP:HE3	18	0.12
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	12	0.12
(1,979)	1:19:A:ILE:HA	1:26:A:ARG:HD2	15	0.12
(1,979)	1:19:A:ILE:HA	1:26:A:ARG:HD3	15	0.12
(1,961)	1:23:A:SER:HB2	1:63:A:LYS:HD2	9	0.12
(1,953)	1:84:A:ILE:HA	1:84:A:ILE:HG12	17	0.12
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB1	20	0.12
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB2	20	0.12
(1,947)	1:64:A:THR:HA	1:70:A:ALA:HB3	20	0.12
(1,930)	1:12:A:ARG:HD3	1:51:A:THR:HA	1	0.12
(1,846)	1:8:A:PRO:HB3	1:9:A:GLN:HE21	16	0.12
(1,834)	1:22:A:GLN:HE21	1:23:A:SER:HB2	1	0.12
(1,830)	1:7:A:SER:HA	1:10:A:GLN:HE22	9	0.12
(1,816)	1:66:A:ASN:HD21	1:67:A:GLU:H	15	0.12
(1,777)	1:47:A:ALA:HB1	1:52:A:ARG:H	14	0.12
(1,777)	1:47:A:ALA:HB2	1:52:A:ARG:H	14	0.12
(1,777)	1:47:A:ALA:HB3	1:52:A:ARG:H	14	0.12
(1,758)	1:84:A:ILE:H	1:84:A:ILE:HG13	11	0.12
(1,738)	1:82:A:LYS:H	1:87:A:ALA:H	14	0.12
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	3	0.12
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	4	0.12
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:7:A:SER:HA	1:9:A:GLN:H	1	0.12
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	8	0.12
(1,700)	1:15:A:LEU:HB2	1:16:A:LEU:H	19	0.12
(1,682)	1:40:A:LYS:H	1:42:A:PRO:HD3	1	0.12
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	19	0.12
(1,648)	1:22:A:GLN:H	1:24:A:ASN:H	10	0.12
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	1	0.12
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	4	0.12
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	11	0.12
(1,628)	1:37:A:SER:H	1:37:A:SER:HB3	13	0.12
(1,558)	1:27:A:ASN:HA	1:31:A:VAL:H	4	0.12
(1,558)	1:27:A:ASN:HA	1:31:A:VAL:H	17	0.12
(1,548)	1:46:A:GLU:H	1:49:A:GLU:H	8	0.12
(1,507)	1:75:A:LYS:H	1:75:A:LYS:HG2	3	0.12
(1,507)	1:75:A:LYS:H	1:75:A:LYS:HG3	3	0.12
(1,503)	1:74:A:LYS:HB2	1:75:A:LYS:H	20	0.12
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	20	0.12
(1,482)	1:10:A:GLN:H	1:13:A:ASP:H	15	0.12
(1,470)	1:10:A:GLN:H	1:10:A:GLN:HG3	3	0.12
(1,444)	1:59:A:ASP:H	1:60:A:VAL:HB	8	0.12
(1,443)	1:59:A:ASP:H	1:59:A:ASP:HB3	18	0.12
(1,443)	1:59:A:ASP:H	1:59:A:ASP:HB3	20	0.12
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	4	0.12
(1,400)	1:49:A:GLU:H	1:52:A:ARG:HA	5	0.12
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	8	0.12
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	2	0.12
(1,321)	1:18:A:ALA:H	1:30:A:ALA:HB1	5	0.12
(1,321)	1:18:A:ALA:H	1:30:A:ALA:HB2	5	0.12
(1,321)	1:18:A:ALA:H	1:30:A:ALA:HB3	5	0.12
(1,292)	1:68:A:GLU:HB2	1:70:A:ALA:H	3	0.12
(1,292)	1:68:A:GLU:HB3	1:70:A:ALA:H	3	0.12
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD2	12	0.12
(1,287)	1:70:A:ALA:H	1:71:A:LYS:HD3	12	0.12
(1,286)	1:68:A:GLU:HG2	1:70:A:ALA:H	20	0.12
(1,286)	1:68:A:GLU:HG3	1:70:A:ALA:H	20	0.12
(1,279)	1:32:A:LEU:HD11	1:33:A:GLU:H	12	0.12
(1,279)	1:32:A:LEU:HD12	1:33:A:GLU:H	12	0.12
(1,279)	1:32:A:LEU:HD13	1:33:A:GLU:H	12	0.12
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	2	0.12
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	17	0.12
(1,272)	1:76:A:LEU:H	1:79:A:SER:H	14	0.12
(1,225)	1:41:A:TYR:H	1:42:A:PRO:HD2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:44:A:THR:HB	1:45:A:LYS:H	5	0.12
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	14	0.12
(1,173)	1:44:A:THR:HB	1:48:A:LEU:H	6	0.12
(1,165)	1:46:A:GLU:HB3	1:47:A:ALA:H	17	0.12
(1,163)	1:46:A:GLU:HG2	1:47:A:ALA:H	16	0.12
(1,141)	1:24:A:ASN:HB3	1:25:A:ILE:H	18	0.12
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	13	0.12
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	3	0.12
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	5	0.12
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	9	0.12
(1,77)	1:82:A:LYS:HD2	1:85:A:GLU:H	20	0.12
(1,77)	1:82:A:LYS:HD3	1:85:A:GLU:H	20	0.12
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	19	0.12
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD11	18	0.12
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD12	18	0.12
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD13	18	0.12
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD21	18	0.12
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD22	18	0.12
(1,65)	1:43:A:ILE:H	1:53:A:LEU:HD23	18	0.12
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	14	0.12
(1,51)	1:28:A:MET:H	1:31:A:VAL:HB	3	0.12
(2,70)	1:77:A:LEU:O	1:80:A:TRP:H	20	0.11
(2,69)	1:77:A:LEU:O	1:80:A:TRP:N	16	0.11
(2,67)	1:76:A:LEU:O	1:79:A:SER:N	3	0.11
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	3	0.11
(2,59)	1:72:A:ARG:O	1:75:A:LYS:N	9	0.11
(2,51)	1:68:A:GLU:O	1:71:A:LYS:N	10	0.11
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	7	0.11
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	16	0.11
(2,39)	1:54:A:GLY:O	1:57:A:ILE:N	19	0.11
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	2	0.11
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	16	0.11
(2,27)	1:34:A:VAL:O	1:37:A:SER:N	14	0.11
(2,19)	1:30:A:ALA:O	1:33:A:GLU:N	9	0.11
(2,15)	1:28:A:MET:O	1:31:A:VAL:N	14	0.11
(2,10)	1:12:A:ARG:O	1:15:A:LEU:H	15	0.11
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	12	0.11
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	17	0.11
(2,5)	1:10:A:GLN:O	1:13:A:ASP:N	2	0.11
(1,1526)	1:48:A:LEU:HD11	1:80:A:TRP:HZ3	19	0.11
(1,1526)	1:48:A:LEU:HD12	1:80:A:TRP:HZ3	19	0.11
(1,1526)	1:48:A:LEU:HD13	1:80:A:TRP:HZ3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:48:A:LEU:HD21	1:80:A:TRP:HZ3	4	0.11
(1,1521)	1:48:A:LEU:HD22	1:80:A:TRP:HZ3	4	0.11
(1,1521)	1:48:A:LEU:HD23	1:80:A:TRP:HZ3	4	0.11
(1,1505)	1:43:A:ILE:HD11	1:80:A:TRP:HE3	20	0.11
(1,1505)	1:43:A:ILE:HD12	1:80:A:TRP:HE3	20	0.11
(1,1505)	1:43:A:ILE:HD13	1:80:A:TRP:HE3	20	0.11
(1,1496)	1:42:A:PRO:HA	1:80:A:TRP:HH2	2	0.11
(1,1491)	1:38:A:LEU:HA	1:80:A:TRP:HZ2	19	0.11
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD11	20	0.11
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD12	20	0.11
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD13	20	0.11
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD21	20	0.11
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD22	20	0.11
(1,1468)	1:11:A:ILE:HD11	1:38:A:LEU:HD23	20	0.11
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD11	20	0.11
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD12	20	0.11
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD13	20	0.11
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD21	20	0.11
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD22	20	0.11
(1,1468)	1:11:A:ILE:HD12	1:38:A:LEU:HD23	20	0.11
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD11	20	0.11
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD12	20	0.11
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD13	20	0.11
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD21	20	0.11
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD22	20	0.11
(1,1468)	1:11:A:ILE:HD13	1:38:A:LEU:HD23	20	0.11
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD11	16	0.11
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD12	16	0.11
(1,1447)	1:15:A:LEU:HB3	1:19:A:ILE:HD13	16	0.11
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG21	5	0.11
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG22	5	0.11
(1,1435)	1:38:A:LEU:HD11	1:43:A:ILE:HG23	5	0.11
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG21	5	0.11
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG22	5	0.11
(1,1435)	1:38:A:LEU:HD12	1:43:A:ILE:HG23	5	0.11
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG21	5	0.11
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG22	5	0.11
(1,1435)	1:38:A:LEU:HD13	1:43:A:ILE:HG23	5	0.11
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG21	5	0.11
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG22	5	0.11
(1,1435)	1:38:A:LEU:HD21	1:43:A:ILE:HG23	5	0.11
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG21	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG22	5	0.11
(1,1435)	1:38:A:LEU:HD22	1:43:A:ILE:HG23	5	0.11
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG21	5	0.11
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG22	5	0.11
(1,1435)	1:38:A:LEU:HD23	1:43:A:ILE:HG23	5	0.11
(1,1426)	1:43:A:ILE:HG21	1:80:A:TRP:HZ2	16	0.11
(1,1426)	1:43:A:ILE:HG22	1:80:A:TRP:HZ2	16	0.11
(1,1426)	1:43:A:ILE:HG23	1:80:A:TRP:HZ2	16	0.11
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD11	3	0.11
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD12	3	0.11
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD13	3	0.11
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD21	3	0.11
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD22	3	0.11
(1,1375)	1:64:A:THR:HG21	1:69:A:LEU:HD23	3	0.11
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD11	3	0.11
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD12	3	0.11
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD13	3	0.11
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD21	3	0.11
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD22	3	0.11
(1,1375)	1:64:A:THR:HG22	1:69:A:LEU:HD23	3	0.11
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD11	3	0.11
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD12	3	0.11
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD13	3	0.11
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD21	3	0.11
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD22	3	0.11
(1,1375)	1:64:A:THR:HG23	1:69:A:LEU:HD23	3	0.11
(1,1373)	1:64:A:THR:HG21	1:69:A:LEU:HB2	14	0.11
(1,1373)	1:64:A:THR:HG22	1:69:A:LEU:HB2	14	0.11
(1,1373)	1:64:A:THR:HG23	1:69:A:LEU:HB2	14	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	5	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	5	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	5	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	11	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	11	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	11	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	15	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	15	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	15	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	16	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	16	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	16	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG11	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG12	17	0.11
(1,1329)	1:29:A:VAL:HA	1:29:A:VAL:HG13	17	0.11
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD11	15	0.11
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD12	15	0.11
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD13	15	0.11
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD21	15	0.11
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD22	15	0.11
(1,1294)	1:38:A:LEU:HB2	1:76:A:LEU:HD23	15	0.11
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD11	1	0.11
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD12	1	0.11
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD13	1	0.11
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD21	1	0.11
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD22	1	0.11
(1,1245)	1:82:A:LYS:HD2	1:83:A:LEU:HD23	1	0.11
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD11	1	0.11
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD12	1	0.11
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD13	1	0.11
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD21	1	0.11
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD22	1	0.11
(1,1245)	1:82:A:LYS:HD3	1:83:A:LEU:HD23	1	0.11
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD2	9	0.11
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD3	9	0.11
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG2	15	0.11
(1,1232)	1:67:A:GLU:HB2	1:68:A:GLU:HG3	15	0.11
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG2	15	0.11
(1,1232)	1:67:A:GLU:HB3	1:68:A:GLU:HG3	15	0.11
(1,1227)	1:36:A:SER:HA	1:39:A:GLU:HB3	19	0.11
(1,1224)	1:41:A:TYR:HA	1:42:A:PRO:HB2	17	0.11
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG2	9	0.11
(1,1219)	1:88:A:HIS:HB2	1:91:A:GLU:HG3	9	0.11
(1,1180)	1:10:A:GLN:HG3	1:13:A:ASP:HB2	7	0.11
(1,1151)	1:64:A:THR:HG21	1:66:A:ASN:HB2	10	0.11
(1,1151)	1:64:A:THR:HG22	1:66:A:ASN:HB2	10	0.11
(1,1151)	1:64:A:THR:HG23	1:66:A:ASN:HB2	10	0.11
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	11	0.11
(1,1124)	1:20:A:ASP:HB2	1:21:A:PRO:HD3	16	0.11
(1,1096)	1:12:A:ARG:HD2	1:51:A:THR:HA	16	0.11
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	4	0.11
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	4	0.11
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD2	12	0.11
(1,1092)	1:26:A:ARG:HA	1:26:A:ARG:HD3	12	0.11
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:20:A:ASP:HA	1:26:A:ARG:HD3	14	0.11
(1,1066)	1:18:A:ALA:HA	1:26:A:ARG:HB3	16	0.11
(1,1044)	1:47:A:ALA:HA	1:50:A:GLU:HB2	17	0.11
(1,1018)	1:58:A:ASN:HA	1:61:A:ARG:HB3	13	0.11
(1,1003)	1:69:A:LEU:HA	1:72:A:ARG:HB3	5	0.11
(1,1003)	1:69:A:LEU:HA	1:72:A:ARG:HB3	13	0.11
(1,983)	1:55:A:LYS:HA	1:58:A:ASN:HB2	9	0.11
(1,967)	1:9:A:GLN:HA	1:12:A:ARG:HD3	16	0.11
(1,953)	1:84:A:ILE:HA	1:84:A:ILE:HG12	7	0.11
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG2	8	0.11
(1,922)	1:25:A:ILE:HA	1:26:A:ARG:HG3	8	0.11
(1,841)	1:5:A:PRO:HB2	1:10:A:GLN:HE21	6	0.11
(1,841)	1:5:A:PRO:HB2	1:10:A:GLN:HE21	13	0.11
(1,835)	1:27:A:ASN:HD21	1:30:A:ALA:H	19	0.11
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD11	15	0.11
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD12	15	0.11
(1,829)	1:10:A:GLN:HE21	1:11:A:ILE:HD13	15	0.11
(1,776)	1:52:A:ARG:H	1:52:A:ARG:HB3	7	0.11
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	1	0.11
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	2	0.11
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	14	0.11
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD11	11	0.11
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD12	11	0.11
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD13	11	0.11
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD21	11	0.11
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD22	11	0.11
(1,681)	1:40:A:LYS:H	1:76:A:LEU:HD23	11	0.11
(1,670)	1:56:A:LEU:HB2	1:57:A:ILE:H	4	0.11
(1,645)	1:5:A:PRO:HB3	1:7:A:SER:H	6	0.11
(1,571)	1:81:A:GLN:HB2	1:83:A:LEU:H	14	0.11
(1,563)	1:71:A:LYS:HA	1:74:A:LYS:H	14	0.11
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD11	9	0.11
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD12	9	0.11
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD13	9	0.11
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD21	9	0.11
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD22	9	0.11
(1,557)	1:74:A:LYS:H	1:76:A:LEU:HD23	9	0.11
(1,556)	1:50:A:GLU:H	1:53:A:LEU:H	1	0.11
(1,497)	1:73:A:ALA:H	1:75:A:LYS:H	14	0.11
(1,496)	1:60:A:VAL:H	1:61:A:ARG:HB3	17	0.11
(1,483)	1:24:A:ASN:HD21	1:25:A:ILE:H	9	0.11
(1,475)	1:12:A:ARG:HD3	1:13:A:ASP:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	9	0.11
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	16	0.11
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	5	0.11
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	6	0.11
(1,414)	1:33:A:GLU:HB2	1:35:A:ILE:H	10	0.11
(1,401)	1:47:A:ALA:H	1:49:A:GLU:H	19	0.11
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	10	0.11
(1,317)	1:18:A:ALA:H	1:27:A:ASN:HB2	16	0.11
(1,290)	1:66:A:ASN:HA	1:70:A:ALA:H	10	0.11
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	4	0.11
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	10	0.11
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	12	0.11
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	20	0.11
(1,265)	1:66:A:ASN:HB2	1:69:A:LEU:H	14	0.11
(1,249)	1:11:A:ILE:H	1:14:A:ARG:H	8	0.11
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD2	7	0.11
(1,245)	1:69:A:LEU:H	1:71:A:LYS:HD3	7	0.11
(1,243)	1:38:A:LEU:HB2	1:41:A:TYR:H	15	0.11
(1,233)	1:39:A:GLU:HB3	1:41:A:TYR:H	13	0.11
(1,217)	1:45:A:LYS:H	1:45:A:LYS:HB3	14	0.11
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	11	0.11
(1,162)	1:47:A:ALA:H	1:48:A:LEU:HA	14	0.11
(1,156)	1:17:A:GLN:HE21	1:34:A:VAL:H	1	0.11
(1,151)	1:30:A:ALA:HB1	1:34:A:VAL:H	16	0.11
(1,151)	1:30:A:ALA:HB2	1:34:A:VAL:H	16	0.11
(1,151)	1:30:A:ALA:HB3	1:34:A:VAL:H	16	0.11
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	2	0.11
(1,150)	1:34:A:VAL:H	1:35:A:ILE:HB	13	0.11
(1,125)	1:91:A:GLU:H	1:92:A:ALA:HA	3	0.11
(1,109)	1:55:A:LYS:H	1:57:A:ILE:HB	11	0.11
(1,88)	1:84:A:ILE:HG21	1:85:A:GLU:H	7	0.11
(1,88)	1:84:A:ILE:HG22	1:85:A:GLU:H	7	0.11
(1,88)	1:84:A:ILE:HG23	1:85:A:GLU:H	7	0.11
(1,76)	1:42:A:PRO:HD2	1:43:A:ILE:H	2	0.11
(1,76)	1:42:A:PRO:HD2	1:43:A:ILE:H	15	0.11
(1,73)	1:83:A:LEU:HA	1:85:A:GLU:H	14	0.11
(1,61)	1:51:A:THR:H	1:51:A:THR:HG21	3	0.11
(1,61)	1:51:A:THR:H	1:51:A:THR:HG22	3	0.11
(1,61)	1:51:A:THR:H	1:51:A:THR:HG23	3	0.11
(1,57)	1:48:A:LEU:HA	1:51:A:THR:H	4	0.11
(1,28)	1:24:A:ASN:HB3	1:26:A:ARG:H	4	0.11
(1,26)	1:43:A:ILE:HG21	1:80:A:TRP:HE1	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:43:A:ILE:HG22	1:80:A:TRP:HE1	6	0.11
(1,26)	1:43:A:ILE:HG23	1:80:A:TRP:HE1	6	0.11
(1,26)	1:43:A:ILE:HG21	1:80:A:TRP:HE1	7	0.11
(1,26)	1:43:A:ILE:HG22	1:80:A:TRP:HE1	7	0.11
(1,26)	1:43:A:ILE:HG23	1:80:A:TRP:HE1	7	0.11
(1,17)	1:48:A:LEU:HD11	1:80:A:TRP:HE1	5	0.11
(1,17)	1:48:A:LEU:HD12	1:80:A:TRP:HE1	5	0.11
(1,17)	1:48:A:LEU:HD13	1:80:A:TRP:HE1	5	0.11
(2,69)	1:77:A:LEU:O	1:80:A:TRP:N	13	0.1
(2,49)	1:67:A:GLU:O	1:70:A:ALA:N	11	0.1
(2,41)	1:55:A:LYS:O	1:58:A:ASN:N	1	0.1
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	2	0.1
(2,31)	1:45:A:LYS:O	1:48:A:LEU:N	16	0.1
(2,29)	1:35:A:ILE:O	1:38:A:LEU:N	10	0.1
(2,22)	1:31:A:VAL:O	1:34:A:VAL:H	15	0.1
(2,17)	1:29:A:VAL:O	1:32:A:LEU:N	18	0.1
(2,9)	1:12:A:ARG:O	1:15:A:LEU:N	13	0.1
(1,1500)	1:56:A:LEU:HD11	1:80:A:TRP:HE3	19	0.1
(1,1500)	1:56:A:LEU:HD12	1:80:A:TRP:HE3	19	0.1
(1,1500)	1:56:A:LEU:HD13	1:80:A:TRP:HE3	19	0.1
(1,1500)	1:56:A:LEU:HD21	1:80:A:TRP:HE3	19	0.1
(1,1500)	1:56:A:LEU:HD22	1:80:A:TRP:HE3	19	0.1
(1,1500)	1:56:A:LEU:HD23	1:80:A:TRP:HE3	19	0.1
(1,1486)	1:48:A:LEU:HD11	1:80:A:TRP:HD1	17	0.1
(1,1486)	1:48:A:LEU:HD12	1:80:A:TRP:HD1	17	0.1
(1,1486)	1:48:A:LEU:HD13	1:80:A:TRP:HD1	17	0.1
(1,1484)	1:77:A:LEU:HA	1:80:A:TRP:HD1	14	0.1
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD11	7	0.1
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD12	7	0.1
(1,1444)	1:15:A:LEU:HA	1:19:A:ILE:HD13	7	0.1
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD21	10	0.1
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD22	10	0.1
(1,1326)	1:28:A:MET:HB2	1:32:A:LEU:HD23	10	0.1
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD21	10	0.1
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD22	10	0.1
(1,1326)	1:28:A:MET:HB3	1:32:A:LEU:HD23	10	0.1
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD11	12	0.1
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD12	12	0.1
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD13	12	0.1
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD21	12	0.1
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD22	12	0.1
(1,1273)	1:64:A:THR:HA	1:69:A:LEU:HD23	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:31:A:VAL:HG21	1:35:A:ILE:HG13	17	0.1
(1,1252)	1:31:A:VAL:HG22	1:35:A:ILE:HG13	17	0.1
(1,1252)	1:31:A:VAL:HG23	1:35:A:ILE:HG13	17	0.1
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD2	12	0.1
(1,1242)	1:82:A:LYS:HB3	1:82:A:LYS:HD3	12	0.1
(1,1214)	1:4:A:ALA:HA	1:5:A:PRO:HB3	2	0.1
(1,1161)	1:33:A:GLU:HG2	1:36:A:SER:HB3	15	0.1
(1,1161)	1:33:A:GLU:HG3	1:36:A:SER:HB3	15	0.1
(1,1105)	1:38:A:LEU:HB3	1:80:A:TRP:HZ2	18	0.1
(1,1076)	1:18:A:ALA:HA	1:27:A:ASN:HA	1	0.1
(1,1073)	1:15:A:LEU:HA	1:18:A:ALA:HA	3	0.1
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	10	0.1
(1,993)	1:38:A:LEU:HB3	1:39:A:GLU:HA	12	0.1
(1,979)	1:19:A:ILE:HA	1:26:A:ARG:HD2	7	0.1
(1,979)	1:19:A:ILE:HA	1:26:A:ARG:HD3	7	0.1
(1,953)	1:84:A:ILE:HA	1:84:A:ILE:HG12	8	0.1
(1,953)	1:84:A:ILE:HA	1:84:A:ILE:HG12	20	0.1
(1,801)	1:63:A:LYS:HB3	1:64:A:THR:H	8	0.1
(1,769)	1:34:A:VAL:HB	1:36:A:SER:H	15	0.1
(1,748)	1:63:A:LYS:H	1:63:A:LYS:HB3	2	0.1
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	8	0.1
(1,717)	1:62:A:LYS:H	1:63:A:LYS:HA	9	0.1
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG2	9	0.1
(1,715)	1:62:A:LYS:H	1:63:A:LYS:HG3	9	0.1
(1,669)	1:57:A:ILE:H	1:58:A:ASN:HB2	3	0.1
(1,584)	1:31:A:VAL:H	1:31:A:VAL:HG21	4	0.1
(1,584)	1:31:A:VAL:H	1:31:A:VAL:HG22	4	0.1
(1,584)	1:31:A:VAL:H	1:31:A:VAL:HG23	4	0.1
(1,571)	1:81:A:GLN:HB2	1:83:A:LEU:H	3	0.1
(1,525)	1:28:A:MET:HG3	1:29:A:VAL:H	12	0.1
(1,443)	1:59:A:ASP:H	1:59:A:ASP:HB3	6	0.1
(1,443)	1:59:A:ASP:H	1:59:A:ASP:HB3	12	0.1
(1,441)	1:58:A:ASN:HB2	1:59:A:ASP:H	10	0.1
(1,398)	1:81:A:GLN:H	1:84:A:ILE:H	8	0.1
(1,384)	1:66:A:ASN:HD21	1:68:A:GLU:H	7	0.1
(1,357)	1:14:A:ARG:H	1:15:A:LEU:HB2	13	0.1
(1,279)	1:32:A:LEU:HD11	1:33:A:GLU:H	18	0.1
(1,279)	1:32:A:LEU:HD12	1:33:A:GLU:H	18	0.1
(1,279)	1:32:A:LEU:HD13	1:33:A:GLU:H	18	0.1
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	1	0.1
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	6	0.1
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	18	0.1
(1,276)	1:33:A:GLU:H	1:33:A:GLU:HB3	19	0.1
(1,272)	1:76:A:LEU:H	1:79:A:SER:H	13	0.1
(1,198)	1:73:A:ALA:H	1:76:A:LEU:H	1	0.1
(1,94)	1:80:A:TRP:H	1:80:A:TRP:HE1	12	0.1
(1,76)	1:42:A:PRO:HD2	1:43:A:ILE:H	8	0.1
(1,71)	1:43:A:ILE:H	1:43:A:ILE:HG21	18	0.1
(1,71)	1:43:A:ILE:H	1:43:A:ILE:HG22	18	0.1
(1,71)	1:43:A:ILE:H	1:43:A:ILE:HG23	18	0.1

10 Dihedral-angle violation analysis

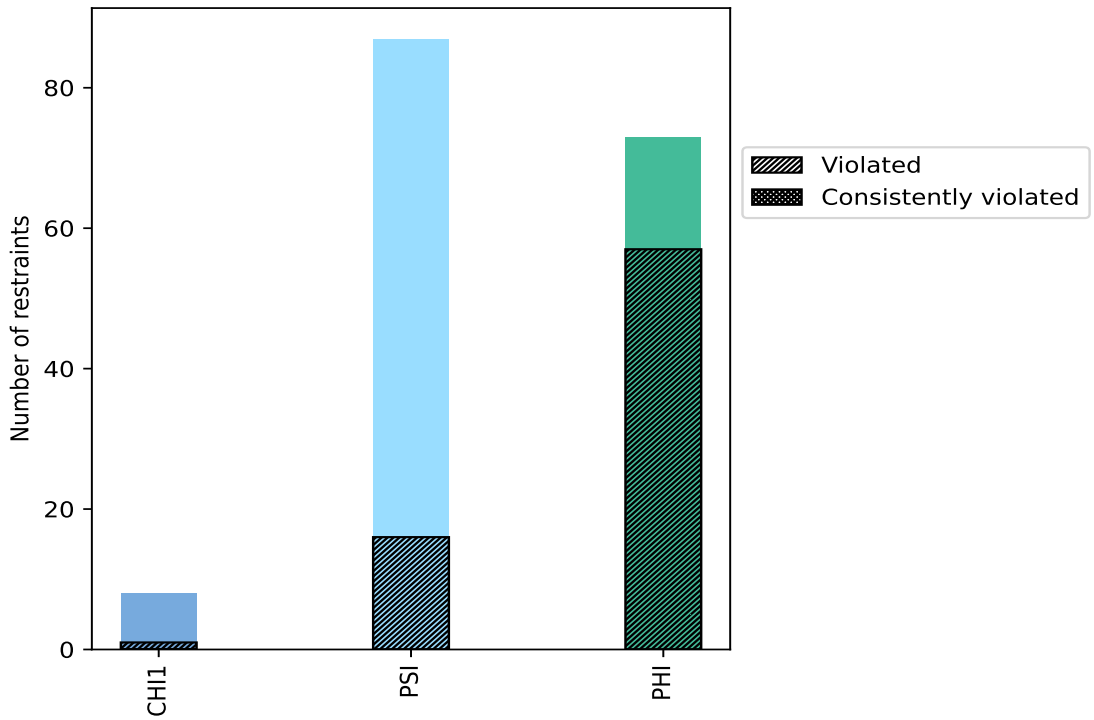
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
CHI1	8	4.8	1	12.5	0.6	0	0.0	0.0
PSI	87	51.8	16	18.4	9.5	0	0.0	0.0
PHI	73	43.5	57	78.1	33.9	0	0.0	0.0
Total	168	100.0	74	44.0	44.0	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



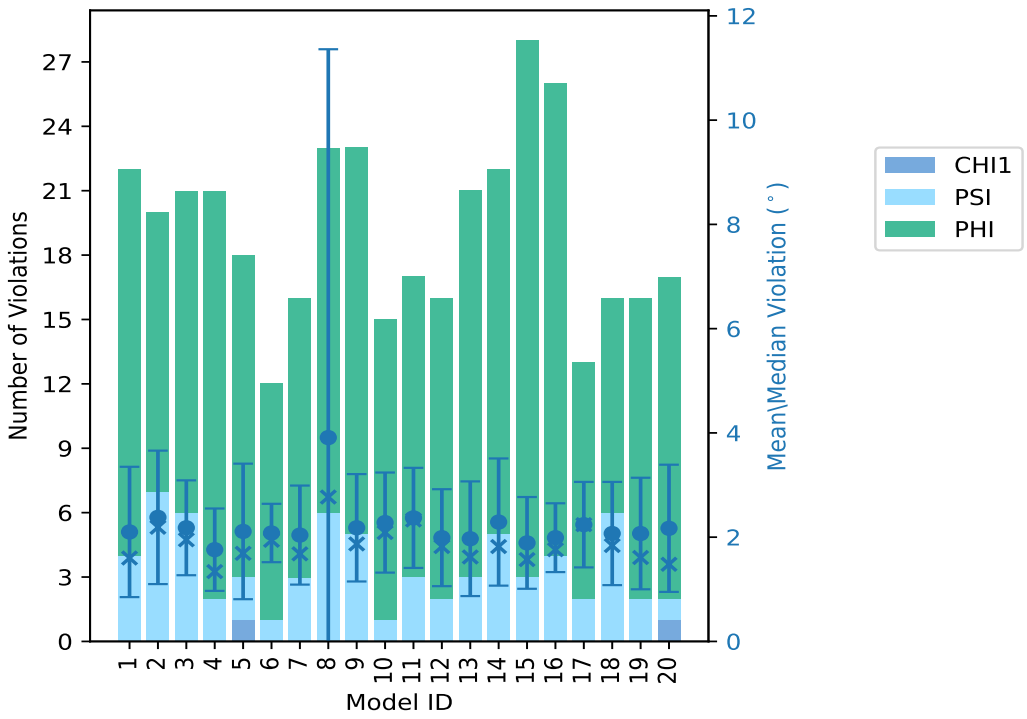
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations				Mean (°)	Max (°)	SD (°)	Median (°)
	CHI1	PSI	PHI	Total				
1	0	4	18	22	2.1	6.16	1.25	1.6
2	0	7	13	20	2.38	5.88	1.28	2.19
3	0	6	15	21	2.18	4.23	0.91	1.95
4	0	2	19	21	1.76	3.39	0.79	1.34
5	1	2	15	18	2.11	6.61	1.3	1.69
6	0	1	11	12	2.08	3.05	0.56	1.94
7	0	3	13	16	2.04	3.93	0.95	1.68
8	0	6	17	23	3.91	38.6	7.45	2.77
9	0	5	18	23	2.18	4.76	1.03	1.87
10	0	1	14	15	2.28	4.38	0.96	2.09
11	0	3	14	17	2.37	4.64	0.96	2.33
12	0	2	14	16	1.99	4.3	0.93	1.82
13	0	3	18	21	1.97	5.47	1.1	1.62
14	0	5	17	22	2.29	5.13	1.22	1.82
15	0	3	25	28	1.89	4.83	0.88	1.57
16	0	4	22	26	1.99	3.97	0.66	1.76
17	0	2	11	13	2.24	4.44	0.82	2.24
18	0	6	10	16	2.07	4.16	0.99	1.84
19	0	2	14	16	2.07	4.45	1.07	1.61
20	1	1	15	17	2.17	4.92	1.22	1.48

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

Number of violated restraints				Fraction of the ensemble	
CHI1	PSI	PHI	Total	Count[1]	%
0	5	12	17	1	5.0
1	3	11	15	2	10.0
0	3	4	7	3	15.0
0	1	2	3	4	20.0
0	0	5	5	5	25.0
0	1	5	6	6	30.0
0	0	4	4	7	35.0
0	0	1	1	8	40.0
0	0	2	2	9	45.0
0	0	3	3	10	50.0
0	1	2	3	11	55.0

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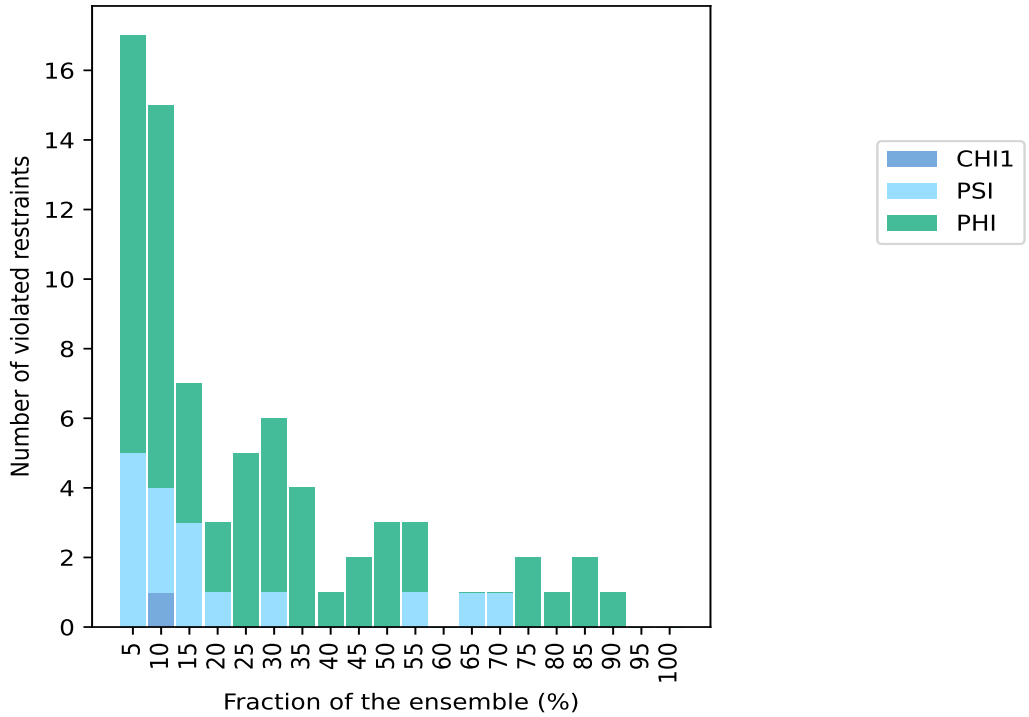
Number of violated restraints				Fraction of the ensemble	
CHI1	PSI	PHI	Total	Count[1]	%
0	0	0	0	12	60.0
0	1	0	1	13	65.0
0	1	0	1	14	70.0
0	0	2	2	15	75.0
0	0	1	1	16	80.0
0	0	2	2	17	85.0
0	0	1	1	18	90.0
0	0	0	0	19	95.0
0	0	0	0	20	100.0

[1] Number of models with violations

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

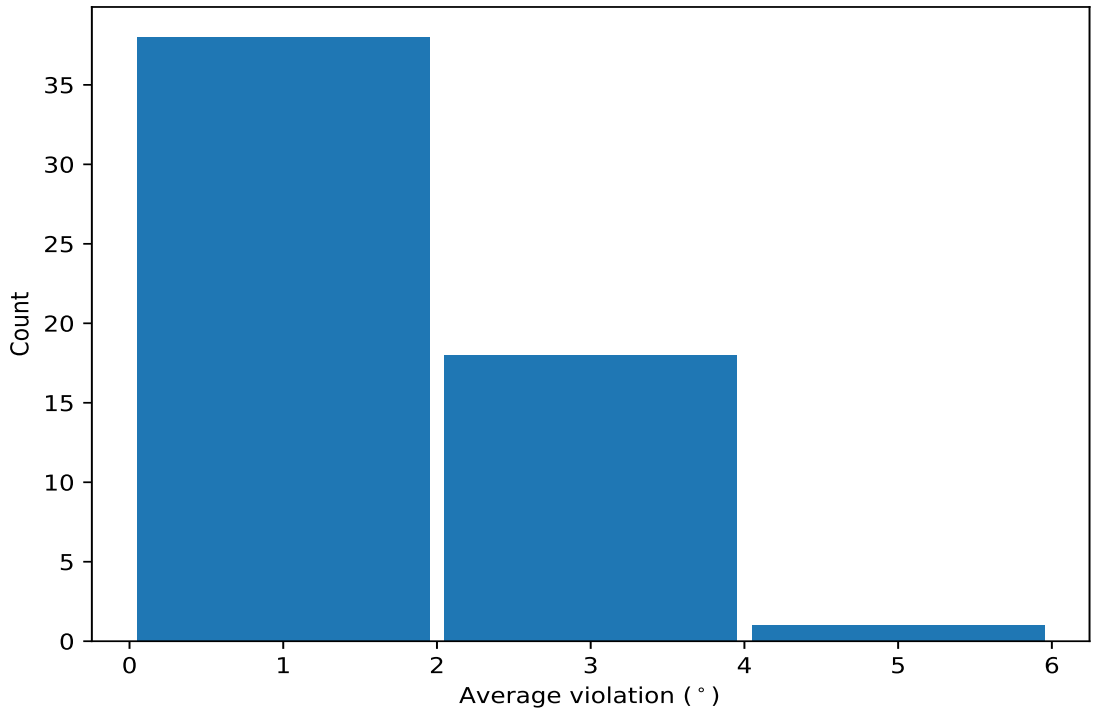


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	18	3.17	0.92	3.33
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	17	3.26	1.55	2.47
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	17	2.94	1.09	2.84
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	16	1.77	0.78	1.48
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	15	2.47	1.0	2.52
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	15	1.99	0.67	2.02
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	14	2.42	1.0	2.0
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	13	2.2	0.89	2.14
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	11	2.72	1.11	2.82
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	11	1.88	0.83	1.4
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	11	1.72	0.73	1.52
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	10	2.19	0.8	1.92
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	10	2.02	0.74	1.88
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	10	1.74	0.4	1.56
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	9	2.31	0.97	2.4
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	9	1.8	0.53	1.71
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	8	1.99	1.08	1.86
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	7	2.33	1.04	1.8
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	7	2.29	1.12	2.43
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	7	1.88	0.87	1.57

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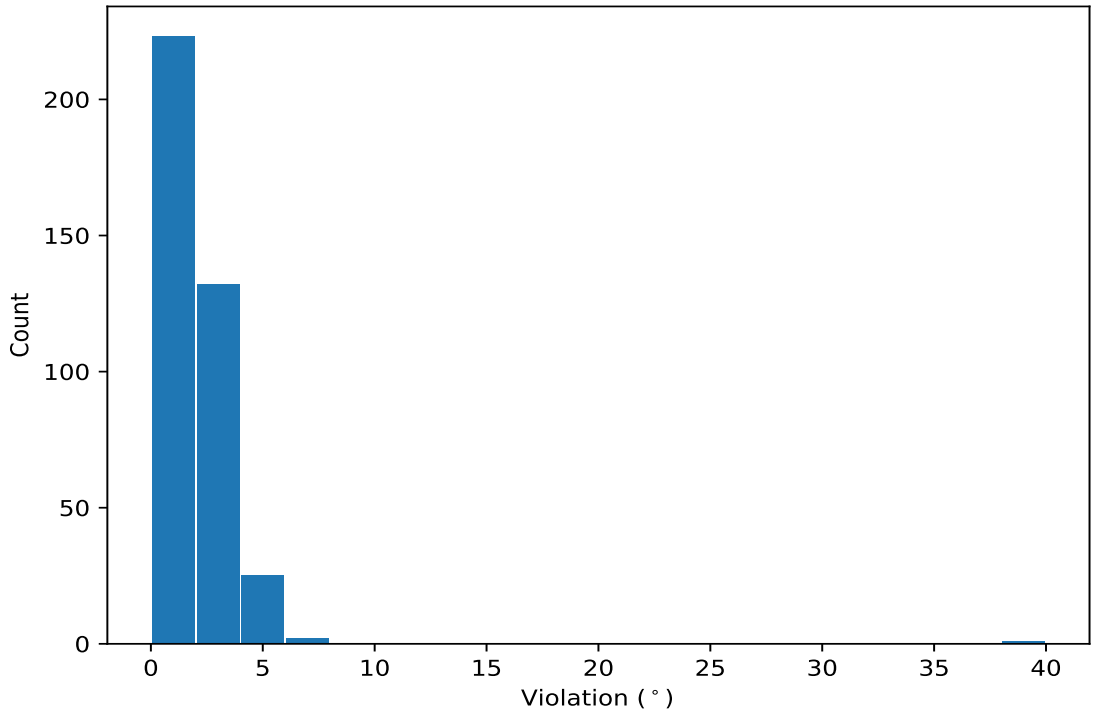
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	7	1.78	0.78	1.57
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	6	2.47	0.57	2.63
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	6	2.4	1.04	2.14
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	6	1.8	0.38	1.74
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	6	1.72	0.64	1.6
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	6	1.62	0.51	1.56
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	6	1.44	0.21	1.41
(1,108)	1:62:A:LYS:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	5	2.09	0.74	1.93
(1,72)	1:44:A:THR:C	1:45:A:LYS:N	1:45:A:LYS:CA	1:45:A:LYS:C	5	1.75	0.43	1.67
(1,31)	1:22:A:GLN:C	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	5	1.68	0.34	1.68
(1,94)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	5	1.6	0.53	1.28
(1,70)	1:43:A:ILE:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	5	1.54	0.44	1.49
(1,76)	1:46:A:GLU:C	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	4	2.2	1.18	1.74
(1,67)	1:40:A:LYS:C	1:41:A:TYR:N	1:41:A:TYR:CA	1:41:A:TYR:C	4	1.84	0.55	1.63
(1,125)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:ALA:N	4	1.73	0.97	1.25
(1,30)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:SER:N	3	1.91	0.72	1.7
(1,34)	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	1:25:A:ILE:N	3	1.87	0.76	1.67
(1,136)	1:77:A:LEU:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	3	1.75	0.13	1.78
(1,33)	1:23:A:SER:C	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	3	1.52	0.22	1.58
(1,20)	1:16:A:LEU:C	1:17:A:GLN:N	1:17:A:GLN:CA	1:17:A:GLN:C	3	1.42	0.33	1.41
(1,134)	1:76:A:LEU:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	3	1.24	0.19	1.11
(1,52)	1:33:A:GLU:N	1:33:A:GLU:CA	1:33:A:GLU:C	1:34:A:VAL:N	3	1.21	0.2	1.1
(1,155)	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:CB	1:20:A:ASP:CG	2	5.76	0.85	5.76
(1,100)	1:58:A:ASN:C	1:59:A:ASP:N	1:59:A:ASP:CA	1:59:A:ASP:C	2	2.69	0.02	2.69
(1,27)	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	1:21:A:PRO:N	2	2.54	0.87	2.54
(1,84)	1:50:A:GLU:C	1:51:A:THR:N	1:51:A:THR:CA	1:51:A:THR:C	2	1.9	0.5	1.9
(1,25)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	2	1.72	0.46	1.72
(1,140)	1:79:A:SER:C	1:80:A:TRP:N	1:80:A:TRP:CA	1:80:A:TRP:C	2	1.61	0.01	1.61
(1,82)	1:49:A:GLU:C	1:50:A:GLU:N	1:50:A:GLU:CA	1:50:A:GLU:C	2	1.44	0.34	1.44
(1,47)	1:30:A:ALA:C	1:31:A:VAL:N	1:31:A:VAL:CA	1:31:A:VAL:C	2	1.42	0.11	1.42
(1,122)	1:70:A:ALA:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	2	1.41	0.16	1.41
(1,16)	1:14:A:ARG:C	1:15:A:LEU:N	1:15:A:LEU:CA	1:15:A:LEU:C	2	1.4	0.01	1.4
(1,19)	1:16:A:LEU:N	1:16:A:LEU:CA	1:16:A:LEU:C	1:17:A:GLN:N	2	1.25	0.17	1.25
(1,12)	1:12:A:ARG:C	1:13:A:ASP:N	1:13:A:ASP:CA	1:13:A:ASP:C	2	1.23	0.1	1.23
(1,45)	1:29:A:VAL:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	2	1.17	0.05	1.17
(1,118)	1:68:A:GLU:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	2	1.12	0.08	1.12
(1,63)	1:38:A:LEU:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	2	1.08	0.04	1.08

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,166)	1:89:A:GLN:N	1:89:A:GLN:CA	1:89:A:GLN:C	1:90:A:HIS:N	8	38.6
(1,155)	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:CB	1:20:A:ASP:CG	5	6.61
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	1	6.16
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	2	5.88
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	13	5.47
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	14	5.13
(1,155)	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:CB	1:20:A:ASP:CG	20	4.92
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	15	4.83
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	2	4.8
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	14	4.79
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	9	4.76
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	9	4.71
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	11	4.64
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	19	4.45
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	17	4.44
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	13	4.4
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	10	4.38
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	8	4.37
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	11	4.34
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	15	4.3
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	12	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	3	4.23
(1,76)	1:46:A:GLU:C	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	18	4.16
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	18	4.15
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	20	4.13
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	1	4.06
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	2	4.06
(1,168)	1:91:A:GLU:N	1:91:A:GLU:CA	1:91:A:GLU:C	1:92:A:ALA:N	9	4.01
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	16	3.97
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	1	3.95
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	7	3.93
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	8	3.88
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	20	3.87
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	19	3.84
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	19	3.82
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	20	3.82
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	14	3.81
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	10	3.73
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	11	3.56
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	14	3.53
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	15	3.51
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	3	3.48
(1,27)	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	1:21:A:PRO:N	10	3.41
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	4	3.39
(1,125)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:ALA:N	1	3.39
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	18	3.39
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	7	3.37
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	3	3.35
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	7	3.34
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	19	3.31
(1,108)	1:62:A:LYS:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	4	3.31
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	3	3.3
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	7	3.27
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	12	3.27
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	3	3.27
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	14	3.26
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	4	3.23
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	2	3.22
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	14	3.2
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	8	3.2
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	10	3.18
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	2	3.15
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	8	3.15
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	8	3.13
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	5	3.11
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	6	3.05
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	12	3.04
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	8	3.03
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	5	3.01
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	6	3.01
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	8	3.01
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	9	2.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	8	2.99
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	5	2.94
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	3	2.9
(1,34)	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	1:25:A:ILE:N	14	2.88
(1,30)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:SER:N	2	2.88
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	8	2.87
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	4	2.84
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	17	2.83
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	8	2.82
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	14	2.8
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	16	2.79
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	8	2.77
(1,67)	1:40:A:LYS:C	1:41:A:TYR:N	1:41:A:TYR:CA	1:41:A:TYR:C	13	2.77
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	3	2.77
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	17	2.76
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	12	2.74
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	16	2.74
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	16	2.74
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	7	2.72
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	14	2.71
(1,100)	1:58:A:ASN:C	1:59:A:ASP:N	1:59:A:ASP:CA	1:59:A:ASP:C	20	2.71
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	11	2.7
(1,100)	1:58:A:ASN:C	1:59:A:ASP:N	1:59:A:ASP:CA	1:59:A:ASP:C	5	2.67
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	11	2.62
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	6	2.61
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	10	2.6
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	16	2.6
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	4	2.59
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	16	2.58
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	5	2.55
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	16	2.55
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	16	2.54
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	9	2.54
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	18	2.53
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	13	2.53
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	17	2.52
(1,108)	1:62:A:LYS:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	10	2.49
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	1	2.49
(1,150)	1:1:A:MET:N	1:1:A:MET:CA	1:1:A:MET:C	1:2:A:THR:N	2	2.48
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	6	2.47
(1,94)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	13	2.47
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	11	2.45
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	2	2.45
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	9	2.44
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	9	2.43
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	17	2.43
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	9	2.43
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	11	2.43
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	1	2.4
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	7	2.4
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	13	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,84)	1:50:A:GLU:C	1:51:A:THR:N	1:51:A:THR:CA	1:51:A:THR:C	16	2.4
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	9	2.38
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	11	2.34
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	11	2.33
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	20	2.32
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	5	2.3
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	2	2.3
(1,72)	1:44:A:THR:C	1:45:A:LYS:N	1:45:A:LYS:CA	1:45:A:LYS:C	12	2.28
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	2	2.28
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	17	2.27
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	1	2.26
(1,70)	1:43:A:ILE:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	14	2.25
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	17	2.24
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	12	2.23
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	17	2.22
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	1	2.21
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	15	2.21
(1,31)	1:22:A:GLN:C	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	15	2.19
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	16	2.18
(1,25)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	18	2.18
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	10	2.17
(1,72)	1:44:A:THR:C	1:45:A:LYS:N	1:45:A:LYS:CA	1:45:A:LYS:C	20	2.16
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	15	2.15
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	9	2.14
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	4	2.13
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	1	2.12
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	2	2.1
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	3	2.1
(1,76)	1:46:A:GLU:C	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	10	2.09
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	3	2.08
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	3	2.06
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	18	2.06
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	12	2.05
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	6	2.04
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	16	2.02
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	11	2.02
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	18	2.0
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	6	1.99
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	15	1.99
(1,49)	1:31:A:VAL:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	15	1.99
(1,94)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	15	1.97
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	15	1.96
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	3	1.95
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	16	1.94
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	18	1.94
(1,108)	1:62:A:LYS:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	14	1.93
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	3	1.93
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	12	1.91
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	6	1.9
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	9	1.9
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	8	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,136)	1:77:A:LEU:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	8	1.89
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	11	1.88
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	13	1.88
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	5	1.87
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	13	1.87
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	19	1.87
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	9	1.87
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	15	1.85
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	5	1.84
(1,20)	1:16:A:LEU:C	1:17:A:GLN:N	1:17:A:GLN:CA	1:17:A:GLN:C	8	1.83
(1,31)	1:22:A:GLN:C	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	16	1.82
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	17	1.81
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	19	1.81
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	6	1.8
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	9	1.8
(1,70)	1:43:A:ILE:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	4	1.79
(1,136)	1:77:A:LEU:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	13	1.78
(1,82)	1:49:A:GLU:C	1:50:A:GLU:N	1:50:A:GLU:CA	1:50:A:GLU:C	3	1.78
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	17	1.78
(1,33)	1:23:A:SER:C	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	18	1.75
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	7	1.73
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	9	1.73
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	12	1.73
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	7	1.72
(1,102)	1:59:A:ASP:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	12	1.71
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	1	1.71
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	14	1.71
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	3	1.71
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	18	1.7
(1,67)	1:40:A:LYS:C	1:41:A:TYR:N	1:41:A:TYR:CA	1:41:A:TYR:C	4	1.7
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	2	1.7
(1,30)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:SER:N	16	1.7
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	16	1.7
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	6	1.69
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	11	1.68
(1,31)	1:22:A:GLN:C	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	6	1.68
(1,72)	1:44:A:THR:C	1:45:A:LYS:N	1:45:A:LYS:CA	1:45:A:LYS:C	13	1.67
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	2	1.67
(1,34)	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	1:25:A:ILE:N	15	1.67
(1,27)	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	1:21:A:PRO:N	3	1.67
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	19	1.66
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	9	1.65
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	7	1.64
(1,132)	1:75:A:LYS:C	1:76:A:LEU:N	1:76:A:LEU:CA	1:76:A:LEU:C	1	1.63
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	19	1.63
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	9	1.63
(1,140)	1:79:A:SER:C	1:80:A:TRP:N	1:80:A:TRP:CA	1:80:A:TRP:C	15	1.62
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	10	1.62
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	13	1.62
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	14	1.61
(1,140)	1:79:A:SER:C	1:80:A:TRP:N	1:80:A:TRP:CA	1:80:A:TRP:C	10	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	19	1.59
(1,33)	1:23:A:SER:C	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	1	1.58
(1,136)	1:77:A:LEU:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	15	1.57
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	13	1.57
(1,122)	1:70:A:ALA:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	15	1.57
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	15	1.57
(1,67)	1:40:A:LYS:C	1:41:A:TYR:N	1:41:A:TYR:CA	1:41:A:TYR:C	9	1.56
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	16	1.56
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	1	1.56
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	6	1.55
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	10	1.55
(1,31)	1:22:A:GLN:C	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	11	1.55
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	7	1.55
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	16	1.55
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	15	1.54
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	16	1.54
(1,72)	1:44:A:THR:C	1:45:A:LYS:N	1:45:A:LYS:CA	1:45:A:LYS:C	4	1.54
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	5	1.54
(1,59)	1:36:A:SER:C	1:37:A:SER:N	1:37:A:SER:CA	1:37:A:SER:C	20	1.53
(1,47)	1:30:A:ALA:C	1:31:A:VAL:N	1:31:A:VAL:CA	1:31:A:VAL:C	15	1.53
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	16	1.52
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	13	1.52
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	14	1.52
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	19	1.52
(1,134)	1:76:A:LEU:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	15	1.5
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	11	1.5
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	11	1.49
(1,70)	1:43:A:ILE:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	15	1.49
(1,52)	1:33:A:GLU:N	1:33:A:GLU:CA	1:33:A:GLU:C	1:34:A:VAL:N	15	1.49
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	17	1.48
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	20	1.48
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	5	1.48
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	10	1.47
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	15	1.45
(1,108)	1:62:A:LYS:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	19	1.45
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	19	1.44
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	20	1.44
(1,78)	1:47:A:ALA:C	1:48:A:LEU:N	1:48:A:LEU:CA	1:48:A:LEU:C	14	1.44
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	8	1.43
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	2	1.43
(1,51)	1:32:A:LEU:C	1:33:A:GLU:N	1:33:A:GLU:CA	1:33:A:GLU:C	16	1.43
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	18	1.42
(1,19)	1:16:A:LEU:N	1:16:A:LEU:CA	1:16:A:LEU:C	1:17:A:GLN:N	1	1.42
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	19	1.42
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	16	1.42
(1,84)	1:50:A:GLU:C	1:51:A:THR:N	1:51:A:THR:CA	1:51:A:THR:C	10	1.41
(1,20)	1:16:A:LEU:C	1:17:A:GLN:N	1:17:A:GLN:CA	1:17:A:GLN:C	11	1.41
(1,16)	1:14:A:ARG:C	1:15:A:LEU:N	1:15:A:LEU:CA	1:15:A:LEU:C	18	1.41
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	13	1.4
(1,16)	1:14:A:ARG:C	1:15:A:LEU:N	1:15:A:LEU:CA	1:15:A:LEU:C	16	1.4
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	7	1.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,128)	1:73:A:ALA:C	1:74:A:LYS:N	1:74:A:LYS:CA	1:74:A:LYS:C	17	1.38
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	16	1.38
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	8	1.38
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	20	1.38
(1,76)	1:46:A:GLU:C	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	4	1.38
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	13	1.36
(1,125)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:ALA:N	3	1.35
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	12	1.35
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	2	1.35
(1,6)	1:9:A:GLN:C	1:10:A:GLN:N	1:10:A:GLN:CA	1:10:A:GLN:C	16	1.35
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	8	1.34
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	4	1.34
(1,67)	1:40:A:LYS:C	1:41:A:TYR:N	1:41:A:TYR:CA	1:41:A:TYR:C	8	1.34
(1,12)	1:12:A:ARG:C	1:13:A:ASP:N	1:13:A:ASP:CA	1:13:A:ASP:C	11	1.33
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	14	1.32
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	7	1.32
(1,29)	1:21:A:PRO:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	20	1.32
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	2	1.32
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	5	1.31
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	8	1.31
(1,86)	1:51:A:THR:C	1:52:A:ARG:N	1:52:A:ARG:CA	1:52:A:ARG:C	16	1.31
(1,47)	1:30:A:ALA:C	1:31:A:VAL:N	1:31:A:VAL:CA	1:31:A:VAL:C	4	1.31
(1,144)	1:81:A:GLN:C	1:82:A:LYS:N	1:82:A:LYS:CA	1:82:A:LYS:C	8	1.3
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	20	1.29
(1,39)	1:26:A:ARG:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	3	1.29
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	13	1.29
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	9	1.28
(1,94)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	10	1.28
(1,74)	1:45:A:LYS:C	1:46:A:GLU:N	1:46:A:GLU:CA	1:46:A:GLU:C	4	1.28
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	4	1.27
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	5	1.27
(1,24)	1:18:A:ALA:C	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	9	1.27
(1,108)	1:62:A:LYS:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	1	1.26
(1,25)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	9	1.26
(1,122)	1:70:A:ALA:C	1:71:A:LYS:N	1:71:A:LYS:CA	1:71:A:LYS:C	1	1.25
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	15	1.23
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	10	1.23
(1,45)	1:29:A:VAL:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	15	1.22
(1,33)	1:23:A:SER:C	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	15	1.22
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	18	1.22
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	1	1.21
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	20	1.21
(1,98)	1:57:A:ILE:C	1:58:A:ASN:N	1:58:A:ASN:CA	1:58:A:ASN:C	2	1.21
(1,94)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	3	1.21
(1,118)	1:68:A:GLU:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	5	1.2
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	1	1.2
(1,11)	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	1:13:A:ASP:N	8	1.2
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	19	1.2
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	2	1.19
(1,126)	1:72:A:ARG:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	9	1.18
(1,104)	1:60:A:VAL:C	1:61:A:ARG:N	1:61:A:ARG:CA	1:61:A:ARG:C	4	1.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,76)	1:46:A:GLU:C	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	6	1.17
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	20	1.17
(1,8)	1:10:A:GLN:C	1:11:A:ILE:N	1:11:A:ILE:CA	1:11:A:ILE:C	9	1.17
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	4	1.17
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	15	1.16
(1,96)	1:56:A:LEU:C	1:57:A:ILE:N	1:57:A:ILE:CA	1:57:A:ILE:C	14	1.16
(1,30)	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1:23:A:SER:N	8	1.15
(1,125)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:ALA:N	4	1.14
(1,69)	1:42:A:PRO:N	1:42:A:PRO:CA	1:42:A:PRO:C	1:43:A:ILE:N	1	1.14
(1,31)	1:22:A:GLN:C	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1	1.14
(1,12)	1:12:A:ARG:C	1:13:A:ASP:N	1:13:A:ASP:CA	1:13:A:ASP:C	3	1.14
(1,38)	1:26:A:ARG:N	1:26:A:ARG:CA	1:26:A:ARG:C	1:27:A:ASN:N	5	1.13
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	15	1.13
(1,63)	1:38:A:LEU:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	16	1.12
(1,45)	1:29:A:VAL:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	4	1.12
(1,22)	1:17:A:GLN:C	1:18:A:ALA:N	1:18:A:ALA:CA	1:18:A:ALA:C	19	1.12
(1,134)	1:76:A:LEU:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	3	1.11
(1,134)	1:76:A:LEU:C	1:77:A:LEU:N	1:77:A:LEU:CA	1:77:A:LEU:C	13	1.1
(1,130)	1:74:A:LYS:C	1:75:A:LYS:N	1:75:A:LYS:CA	1:75:A:LYS:C	20	1.1
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	4	1.1
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	7	1.1
(1,82)	1:49:A:GLU:C	1:50:A:GLU:N	1:50:A:GLU:CA	1:50:A:GLU:C	4	1.1
(1,52)	1:33:A:GLU:N	1:33:A:GLU:CA	1:33:A:GLU:C	1:34:A:VAL:N	18	1.1
(1,28)	1:21:A:PRO:N	1:21:A:PRO:CA	1:21:A:PRO:C	1:22:A:GLN:N	9	1.1
(1,72)	1:44:A:THR:C	1:45:A:LYS:N	1:45:A:LYS:CA	1:45:A:LYS:C	5	1.09
(1,71)	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1:45:A:LYS:N	13	1.09
(1,70)	1:43:A:ILE:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	12	1.09
(1,65)	1:39:A:GLU:C	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	14	1.09
(1,124)	1:71:A:LYS:C	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	12	1.08
(1,94)	1:55:A:LYS:C	1:56:A:LEU:N	1:56:A:LEU:CA	1:56:A:LEU:C	14	1.08
(1,90)	1:53:A:LEU:C	1:54:A:GLY:N	1:54:A:GLY:CA	1:54:A:GLY:C	20	1.08
(1,70)	1:43:A:ILE:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	7	1.08
(1,110)	1:63:A:LYS:C	1:64:A:THR:N	1:64:A:THR:CA	1:64:A:THR:C	13	1.07
(1,92)	1:54:A:GLY:C	1:55:A:LYS:N	1:55:A:LYS:CA	1:55:A:LYS:C	3	1.07
(1,80)	1:48:A:LEU:C	1:49:A:GLU:N	1:49:A:GLU:CA	1:49:A:GLU:C	12	1.07
(1,19)	1:16:A:LEU:N	1:16:A:LEU:CA	1:16:A:LEU:C	1:17:A:GLN:N	5	1.07
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	5	1.07
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	14	1.06
(1,34)	1:24:A:ASN:N	1:24:A:ASN:CA	1:24:A:ASN:C	1:25:A:ILE:N	2	1.05
(1,118)	1:68:A:GLU:C	1:69:A:LEU:N	1:69:A:LEU:CA	1:69:A:LEU:C	2	1.04
(1,63)	1:38:A:LEU:C	1:39:A:GLU:N	1:39:A:GLU:CA	1:39:A:GLU:C	12	1.04
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	7	1.04
(1,148)	1:83:A:LEU:C	1:84:A:ILE:N	1:84:A:ILE:CA	1:84:A:ILE:C	18	1.03
(1,125)	1:72:A:ARG:N	1:72:A:ARG:CA	1:72:A:ARG:C	1:73:A:ALA:N	18	1.03
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	7	1.03
(1,106)	1:61:A:ARG:C	1:62:A:LYS:N	1:62:A:LYS:CA	1:62:A:LYS:C	15	1.03
(1,52)	1:33:A:GLU:N	1:33:A:GLU:CA	1:33:A:GLU:C	1:34:A:VAL:N	14	1.03
(1,120)	1:69:A:LEU:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	1	1.02
(1,112)	1:65:A:LYS:C	1:66:A:ASN:N	1:66:A:ASN:CA	1:66:A:ASN:C	4	1.02
(1,57)	1:35:A:ILE:C	1:36:A:SER:N	1:36:A:SER:CA	1:36:A:SER:C	14	1.02
(1,10)	1:11:A:ILE:C	1:12:A:ARG:N	1:12:A:ARG:CA	1:12:A:ARG:C	19	1.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,4)	1:8:A:PRO:C	1:9:A:GLN:N	1:9:A:GLN:CA	1:9:A:GLN:C	1	1.02
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	13	1.02
(1,3)	1:8:A:PRO:N	1:8:A:PRO:CA	1:8:A:PRO:C	1:9:A:GLN:N	17	1.02
(1,138)	1:78:A:ARG:C	1:79:A:SER:N	1:79:A:SER:CA	1:79:A:SER:C	13	1.01
(1,20)	1:16:A:LEU:C	1:17:A:GLN:N	1:17:A:GLN:CA	1:17:A:GLN:C	12	1.01