Full wwPDB NMR Structure Validation Report (i)

Mar 6, 2026 – 10:48 AM UTC

PDB ID	:	2LCJ / pdb_00002lcj
BMRB ID	:	17418
Title	:	Solution NMR structure of Pab PolII Intein
Authors	:	Jiajing, L.; Mills, K.V.; Albracht, C.D.
Deposited on	:	2011-04-29

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:

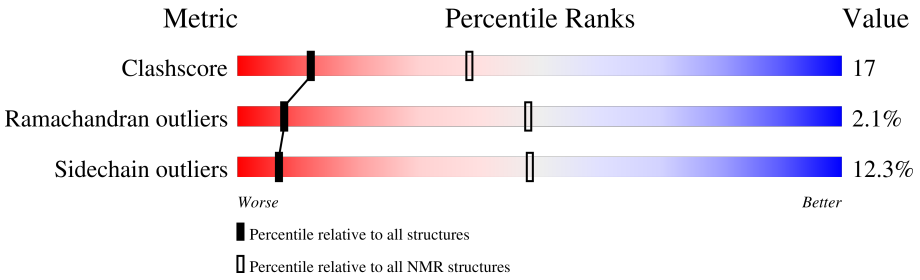
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 80%.

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	185	52% 24% 5% • 18%

2 Ensemble composition and analysis (i)

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

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:2-A:120, A:148-A:170, A:174-A:183 (152)	0.46	16

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

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

The models can be grouped into 1 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 3025 atoms, of which 1507 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Pab polC intein.

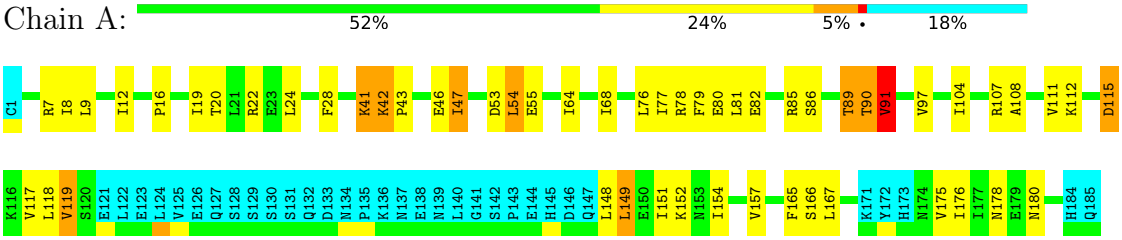
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	185	3025	961	1507	257	298	2	0

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: Pab polC intein

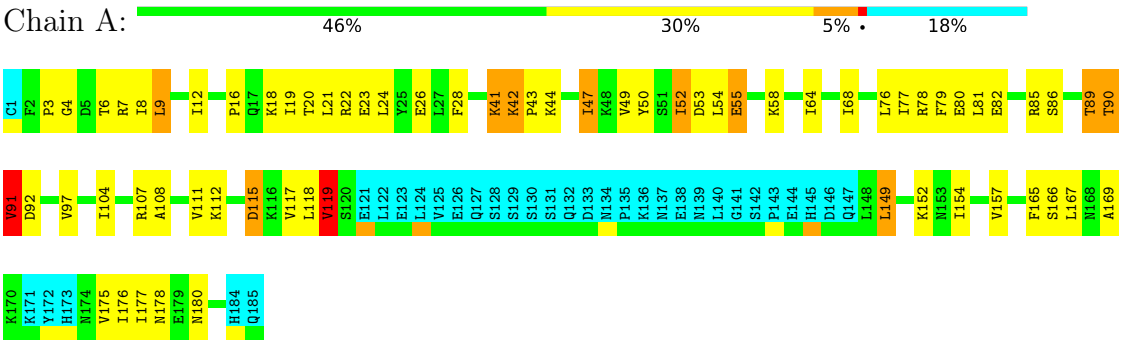


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

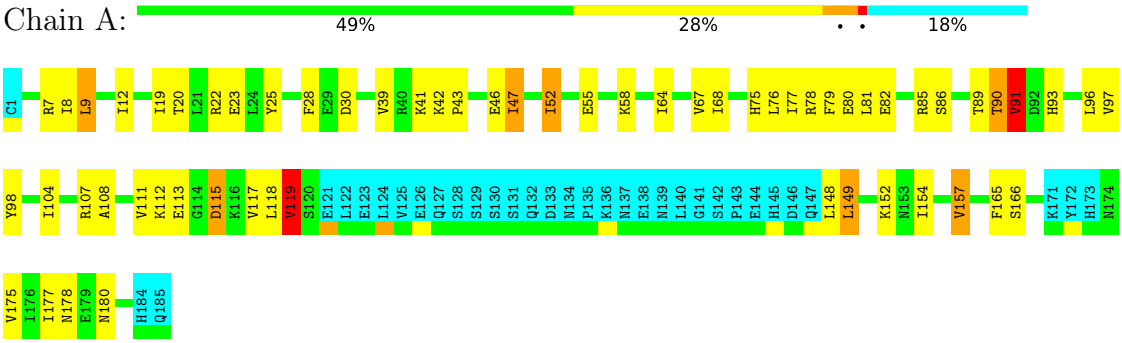
4.2.1 Score per residue for model 1

• Molecule 1: Pab polC intein



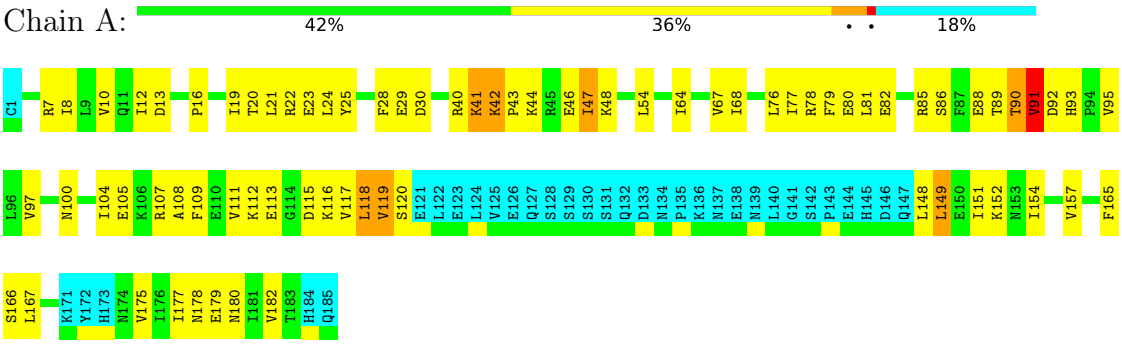
4.2.2 Score per residue for model 2

• Molecule 1: Pab polC intein



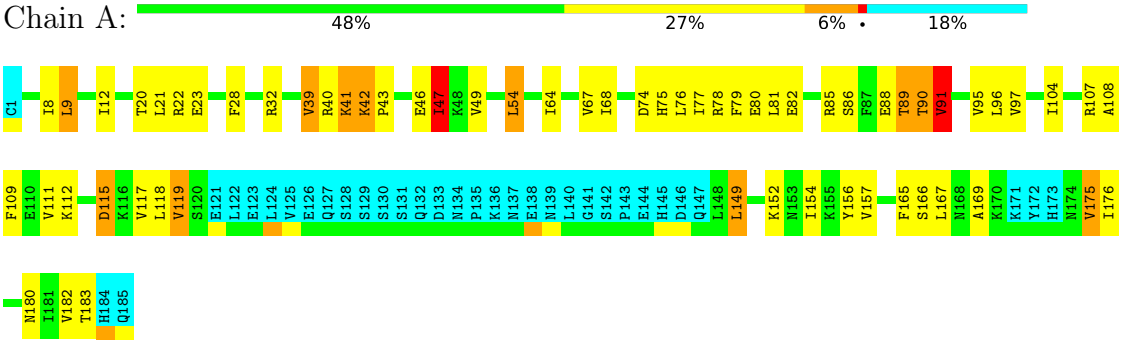
4.2.3 Score per residue for model 3

• Molecule 1: Pab polC intein



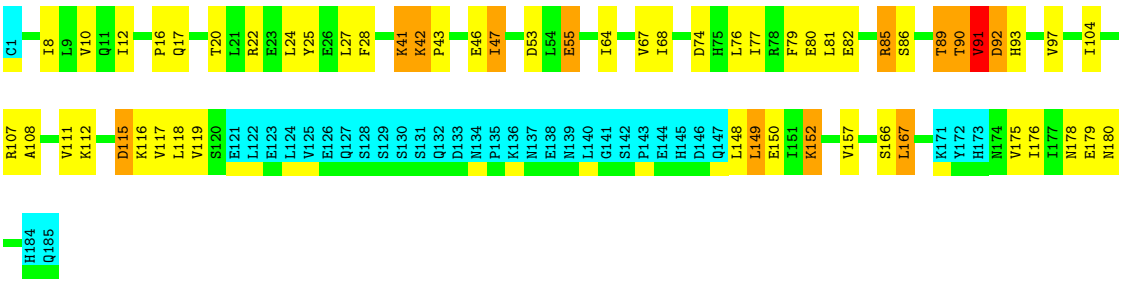
4.2.4 Score per residue for model 4

• Molecule 1: Pab polC intein



4.2.5 Score per residue for model 5

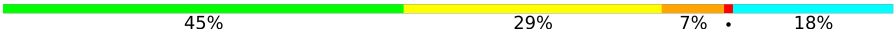
• Molecule 1: Pab polC intein

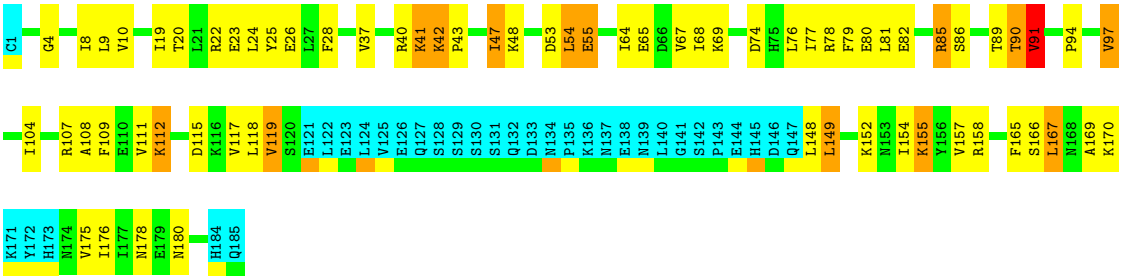


4.2.6 Score per residue for model 6

• Molecule 1: Pab polC intein

Chain A:

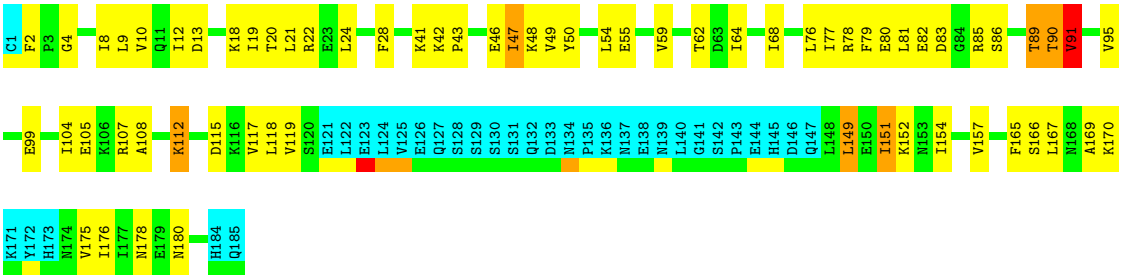




4.2.7 Score per residue for model 7

• Molecule 1: Pab polC intein

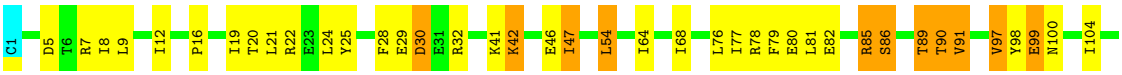
Chain A:

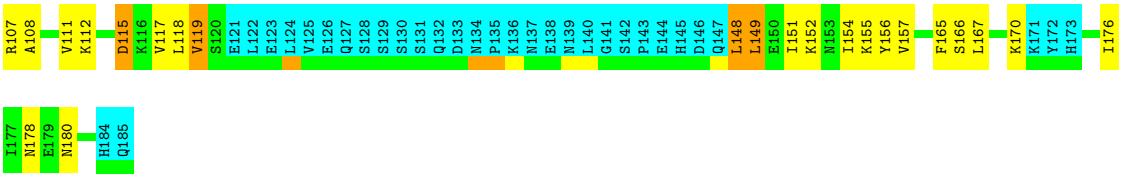


4.2.8 Score per residue for model 8

• Molecule 1: Pab polC intein

Chain A:

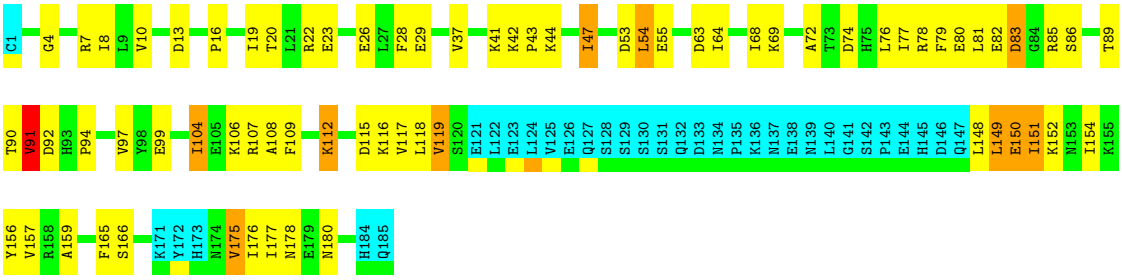




4.2.9 Score per residue for model 9

• Molecule 1: Pab polC intein

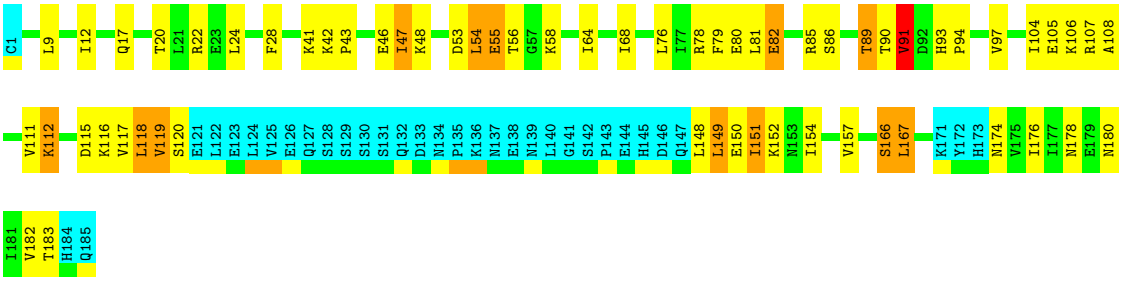
Chain A: 43% 33% 5% • 18%



4.2.10 Score per residue for model 10

• Molecule 1: Pab polC intein

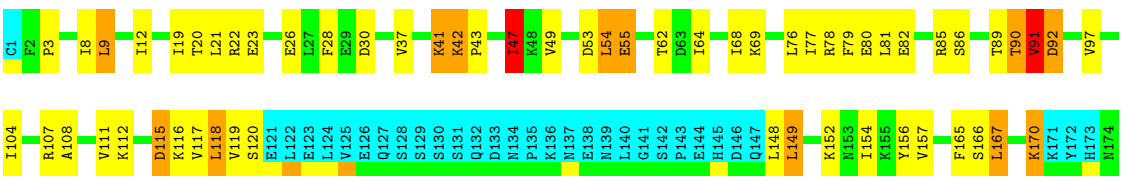
Chain A: 49% 26% 6% • 18%

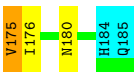


4.2.11 Score per residue for model 11

• Molecule 1: Pab polC intein

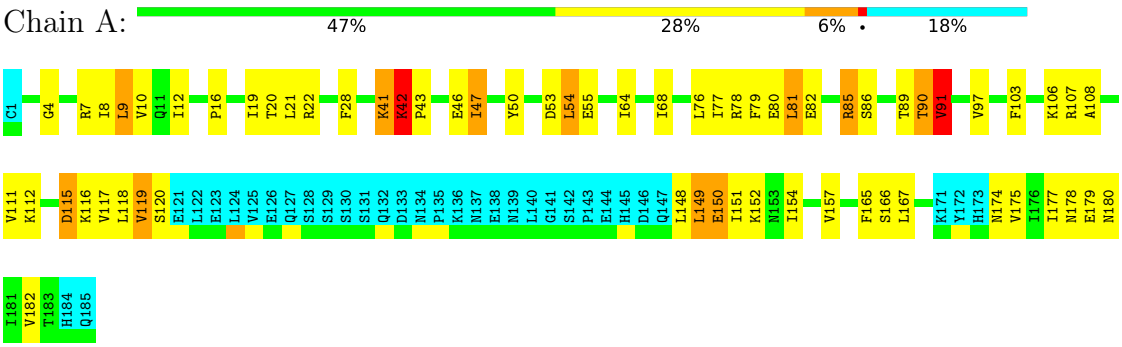
Chain A: 48% 26% 7% • 18%





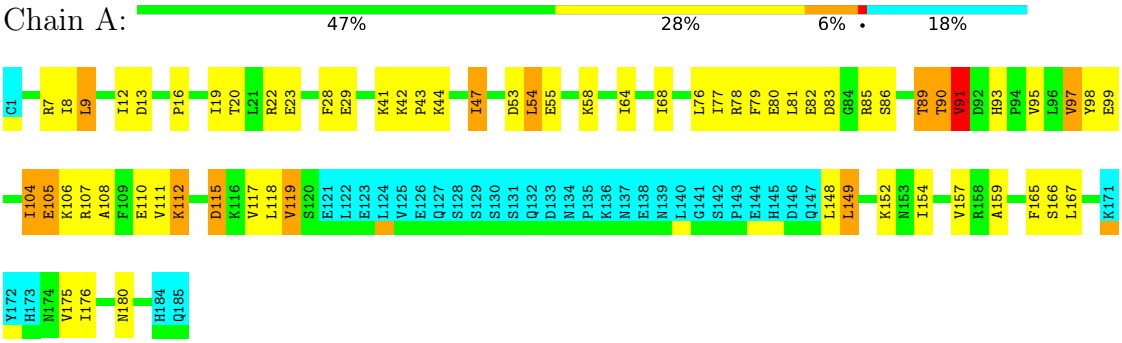
4.2.12 Score per residue for model 12

• Molecule 1: Pab polC intein



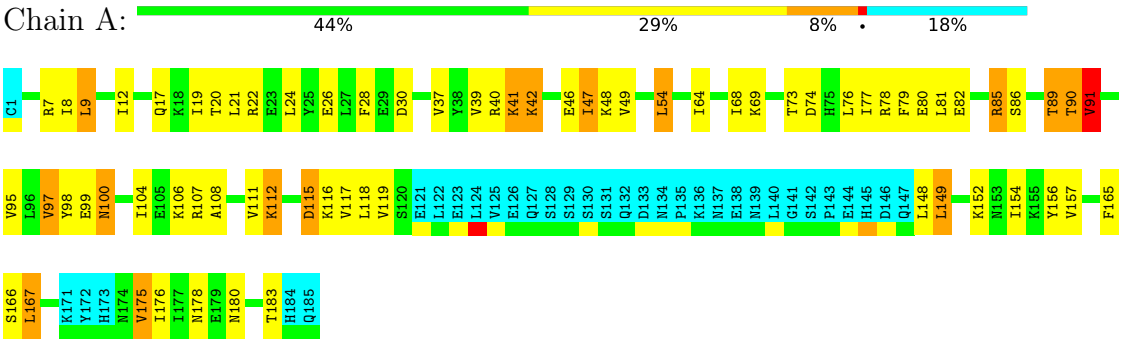
4.2.13 Score per residue for model 13

• Molecule 1: Pab polC intein



4.2.14 Score per residue for model 14

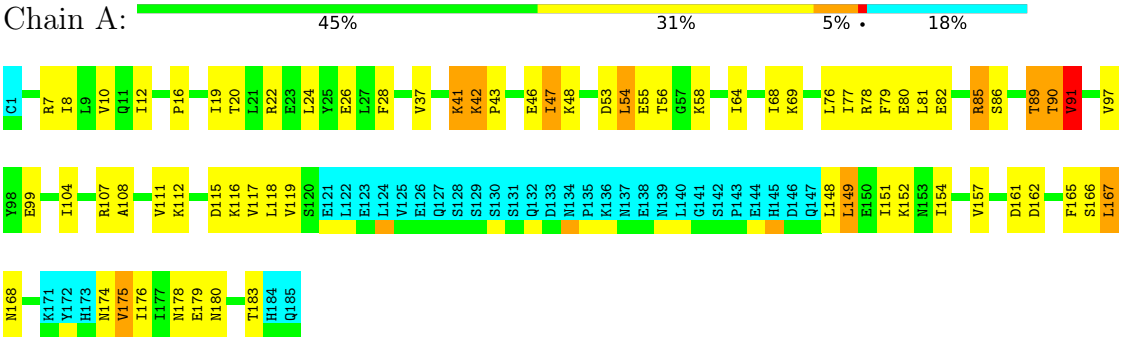
• Molecule 1: Pab polC intein



4.2.15 Score per residue for model 15

• Molecule 1: Pab polC intein

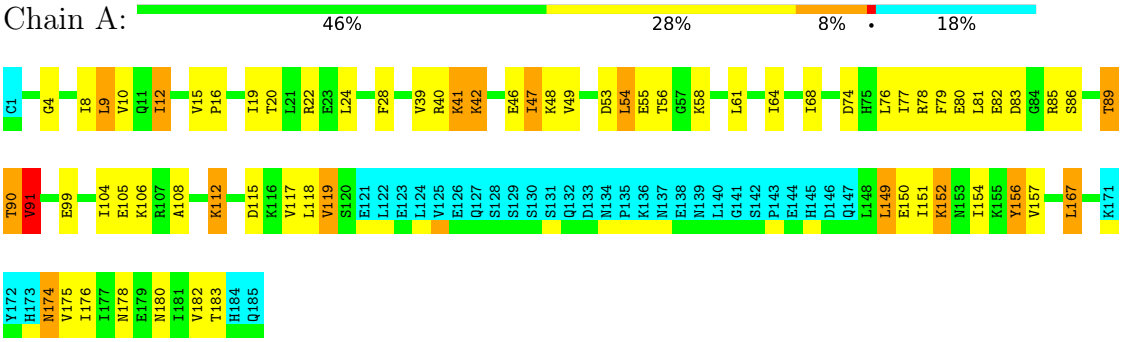
Chain A:



4.2.16 Score per residue for model 16 (medoid)

• Molecule 1: Pab polC intein

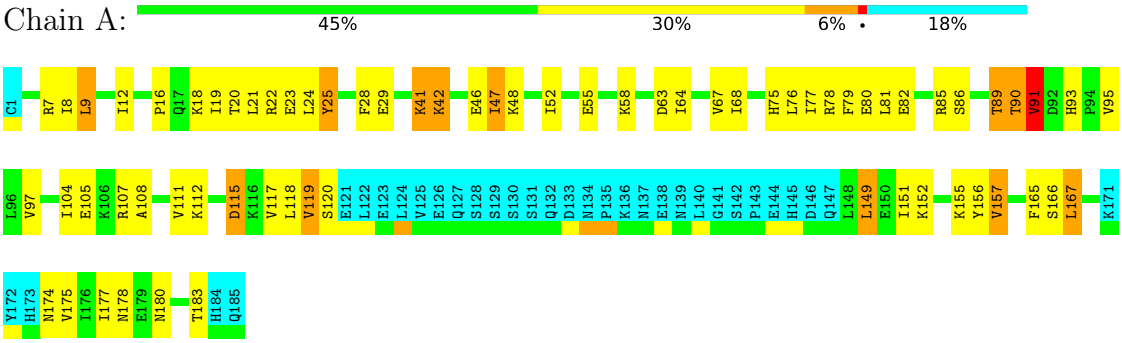
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Pab polC intein

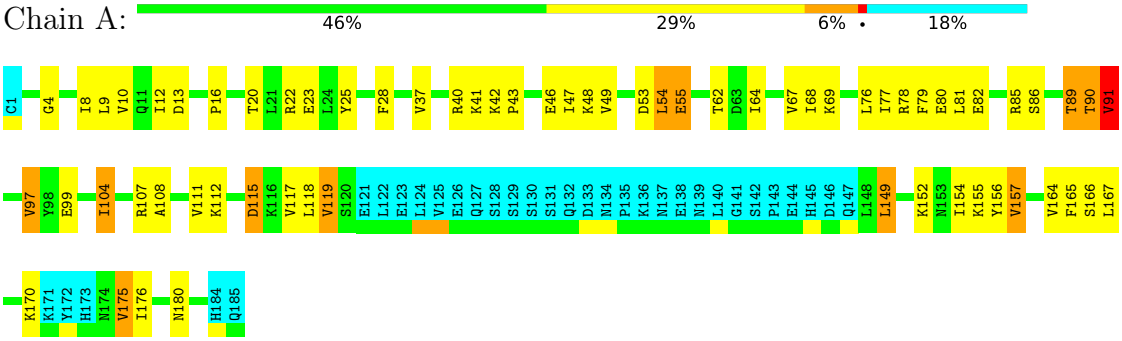
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Pab polC intein

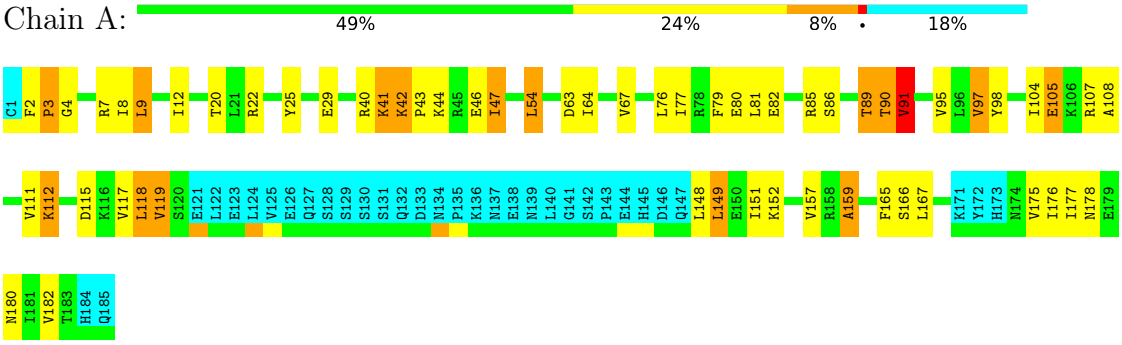
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Pab polC intein

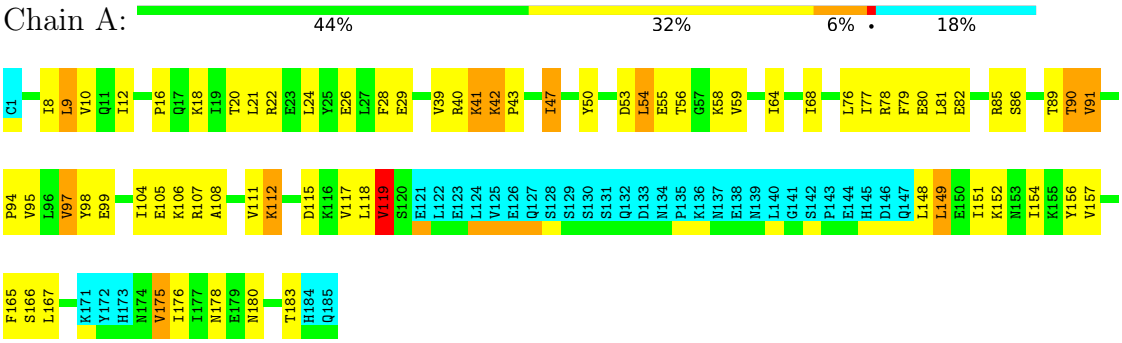
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Pab polC intein

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
CYANA	geometry optimization	3.0
CYANA	refinement	3.0
X-PLOR NIH	refinement	2.27
X-PLOR NIH	structure solution	2.27

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	2064
Number of shifts mapped to atoms	2064
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	80%

6 Model quality

6.1 Standard geometry

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.22±0.03	1±1/1273 (0.1± 0.1%)	0.81±0.02	1±0/1721 (0.0± 0.0%)
All	All	1.22	19/25460 (0.1%)	0.81	12/34420 (0.0%)

All unique bond outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	119	VAL	N-CA	-5.40	1.40	1.46	1	3
1	A	12	ILE	N-CA	-5.38	1.39	1.46	16	1
1	A	175	VAL	CA-C	-5.22	1.48	1.52	2	1
1	A	75	HIS	CA-C	-5.22	1.46	1.52	4	1
1	A	151	ILE	C-N	-5.20	1.26	1.33	7	3
1	A	150	GLU	C-N	-5.20	1.28	1.33	9	2
1	A	151	ILE	N-CA	-5.15	1.40	1.46	10	3
1	A	47	ILE	N-CA	-5.14	1.40	1.46	11	2
1	A	156	TYR	C-N	-5.13	1.27	1.33	16	1
1	A	118	LEU	N-CA	-5.05	1.40	1.46	19	1
1	A	120	SER	N-CA	-5.04	1.40	1.46	3	1

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	178	ASN	CB-CA-C	-5.74	109.94	116.54	10	12

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1252	1275	1275	44±5
All	All	25040	25500	25500	871

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 17.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:91:VAL:HA	1:A:108:ALA:HB3	1.02	1.32	19	20
1:A:82:GLU:HG2	1:A:149:LEU:HD11	0.91	1.42	9	20
1:A:115:ASP:HB3	1:A:151:ILE:HD12	0.78	1.54	10	7
1:A:20:THR:OG1	1:A:22:ARG:HG2	0.75	1.82	12	19
1:A:20:THR:HG1	1:A:22:ARG:HG2	0.74	1.43	12	9
1:A:8:ILE:HD11	1:A:175:VAL:HG21	0.72	1.60	20	13
1:A:81:LEU:HD12	1:A:149:LEU:HB3	0.69	1.63	5	20
1:A:119:VAL:HA	1:A:180:ASN:O	0.69	1.88	12	20
1:A:50:TYR:CZ	1:A:59:VAL:HG21	0.68	2.24	7	1
1:A:112:LYS:O	1:A:115:ASP:HB2	0.67	1.90	14	20
1:A:76:LEU:HD23	1:A:90:THR:HA	0.65	1.69	9	20
1:A:53:ASP:OD2	1:A:55:GLU:HG3	0.65	1.92	18	10
1:A:40:ARG:HB3	1:A:67:VAL:HG22	0.63	1.69	3	1
1:A:90:THR:O	1:A:91:VAL:HB	0.63	1.92	20	1
1:A:25:TYR:CZ	1:A:165:PHE:HB3	0.63	2.29	18	4
1:A:24:LEU:HD21	1:A:167:LEU:HD22	0.63	1.69	6	4
1:A:89:THR:HB	1:A:93:HIS:NE2	0.62	2.09	3	1
1:A:4:GLY:O	1:A:20:THR:HB	0.62	1.93	12	7
1:A:54:LEU:HD22	1:A:54:LEU:H	0.62	1.54	15	13
1:A:53:ASP:OD1	1:A:55:GLU:HG3	0.61	1.95	15	2
1:A:83:ASP:OD1	1:A:149:LEU:HG	0.61	1.95	9	1
1:A:91:VAL:O	1:A:107:ARG:HB3	0.60	1.96	20	6
1:A:76:LEU:CD1	1:A:159:ALA:HA	0.60	2.27	13	3
1:A:68:ILE:O	1:A:165:PHE:HA	0.59	1.98	1	11
1:A:166:SER:C	1:A:167:LEU:HD23	0.59	2.22	14	1
1:A:8:ILE:CD1	1:A:175:VAL:HG21	0.59	2.28	7	4
1:A:25:TYR:HB2	1:A:67:VAL:HG11	0.59	1.73	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:7:ARG:HA	1:A:20:THR:HA	0.58	1.74	1	7
1:A:97:VAL:HG21	1:A:115:ASP:OD1	0.58	1.99	6	10
1:A:24:LEU:HD23	1:A:167:LEU:HG	0.57	1.75	16	4
1:A:112:LYS:H	1:A:112:LYS:HE2	0.57	1.58	9	1
1:A:79:PHE:O	1:A:86:SER:HA	0.57	1.99	7	20
1:A:10:VAL:HB	1:A:48:LYS:O	0.57	1.99	7	6
1:A:174:ASN:HA	1:A:183:THR:O	0.57	1.99	10	4
1:A:176:ILE:CG2	1:A:180:ASN:HA	0.56	2.29	14	16
1:A:176:ILE:HG23	1:A:180:ASN:HA	0.56	1.76	10	9
1:A:97:VAL:HG13	1:A:104:ILE:HG13	0.56	1.76	2	14
1:A:54:LEU:H	1:A:54:LEU:HD12	0.56	1.61	1	2
1:A:32:ARG:HG2	1:A:39:VAL:CG1	0.56	2.30	4	1
1:A:32:ARG:HG2	1:A:39:VAL:HG13	0.56	1.78	4	1
1:A:41:LYS:O	1:A:42:LYS:HB2	0.55	2.01	14	3
1:A:67:VAL:HA	1:A:167:LEU:HD12	0.55	1.78	5	1
1:A:99:GLU:CG	1:A:104:ILE:HD11	0.55	2.32	18	5
1:A:98:TYR:CD2	1:A:148:LEU:HD11	0.55	2.37	8	1
1:A:107:ARG:HD2	1:A:107:ARG:H	0.55	1.62	13	1
1:A:22:ARG:O	1:A:26:GLU:HG3	0.54	2.03	6	6
1:A:68:ILE:HD12	1:A:166:SER:HB2	0.54	1.79	1	12
1:A:107:ARG:O	1:A:111:VAL:HG23	0.54	2.03	8	17
1:A:116:LYS:HD3	1:A:148:LEU:HB3	0.54	1.80	11	6
1:A:46:GLU:OE1	1:A:48:LYS:HE3	0.54	2.03	17	3
1:A:8:ILE:HG22	1:A:19:ILE:O	0.54	2.03	1	1
1:A:76:LEU:CD2	1:A:90:THR:HA	0.54	2.33	13	10
1:A:82:GLU:HG2	1:A:149:LEU:CD1	0.54	2.32	11	10
1:A:82:GLU:HA	1:A:152:LYS:CG	0.53	2.33	13	6
1:A:98:TYR:CD2	1:A:148:LEU:HD12	0.53	2.38	19	5
1:A:54:LEU:HD12	1:A:54:LEU:N	0.53	2.18	3	4
1:A:82:GLU:HA	1:A:152:LYS:HG2	0.53	1.80	13	2
1:A:83:ASP:OD1	1:A:85:ARG:HG3	0.53	2.03	13	2
1:A:75:HIS:HB3	1:A:157:VAL:O	0.53	2.04	17	2
1:A:12:ILE:HA	1:A:46:GLU:O	0.53	2.04	8	14
1:A:54:LEU:HD12	1:A:54:LEU:H	0.53	1.63	7	1
1:A:41:LYS:O	1:A:42:LYS:HB3	0.53	2.04	15	10
1:A:81:LEU:HD23	1:A:85:ARG:O	0.53	2.04	12	20
1:A:64:ILE:HD12	1:A:64:ILE:N	0.52	2.19	14	20
1:A:25:TYR:CE2	1:A:165:PHE:HB3	0.52	2.40	18	2
1:A:28:PHE:CZ	1:A:47:ILE:HG21	0.52	2.40	5	18
1:A:92:ASP:O	1:A:107:ARG:HG3	0.51	2.05	3	1
1:A:107:ARG:N	1:A:107:ARG:HD2	0.51	2.20	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:81:LEU:HB2	1:A:85:ARG:HG3	0.51	1.82	9	1
1:A:112:LYS:HE2	1:A:112:LYS:N	0.51	2.20	9	1
1:A:5:ASP:HA	1:A:22:ARG:NH1	0.51	2.20	8	1
1:A:8:ILE:HD11	1:A:175:VAL:CG2	0.51	2.36	14	1
1:A:10:VAL:O	1:A:16:PRO:HA	0.51	2.05	5	8
1:A:103:PHE:CE1	1:A:118:LEU:HD11	0.51	2.41	12	1
1:A:20:THR:HG23	1:A:23:GLU:OE1	0.50	2.06	18	8
1:A:21:LEU:HB3	1:A:165:PHE:HB2	0.50	1.83	14	10
1:A:40:ARG:HB3	1:A:67:VAL:HB	0.50	1.84	6	3
1:A:24:LEU:CD2	1:A:167:LEU:HD22	0.50	2.37	6	3
1:A:82:GLU:CG	1:A:149:LEU:HD11	0.50	2.29	9	2
1:A:77:ILE:HD12	1:A:108:ALA:C	0.50	2.32	17	19
1:A:82:GLU:HA	1:A:152:LYS:HG3	0.50	1.82	7	6
1:A:78:ARG:O	1:A:154:ILE:HA	0.50	2.07	20	17
1:A:116:LYS:CG	1:A:150:GLU:HG3	0.50	2.37	5	1
1:A:79:PHE:CD1	1:A:151:ILE:HD13	0.49	2.42	10	8
1:A:97:VAL:HG13	1:A:104:ILE:CG1	0.49	2.37	8	1
1:A:43:PRO:HB2	1:A:47:ILE:HD13	0.49	1.85	18	16
1:A:50:TYR:CE2	1:A:59:VAL:HG21	0.48	2.43	7	1
1:A:24:LEU:CD2	1:A:167:LEU:HG	0.48	2.39	15	3
1:A:77:ILE:HD11	1:A:156:TYR:CZ	0.48	2.44	20	9
1:A:40:ARG:O	1:A:67:VAL:HG23	0.47	2.09	4	1
1:A:8:ILE:HB	1:A:21:LEU:HD22	0.47	1.85	20	1
1:A:95:VAL:O	1:A:105:GLU:HA	0.47	2.10	17	6
1:A:82:GLU:CA	1:A:152:LYS:HG2	0.47	2.39	13	3
1:A:30:ASP:HB3	1:A:41:LYS:O	0.47	2.09	11	1
1:A:32:ARG:HG2	1:A:39:VAL:CG2	0.47	2.39	4	1
1:A:29:GLU:HG3	1:A:44:LYS:HD3	0.47	1.85	13	3
1:A:25:TYR:CE1	1:A:67:VAL:HB	0.47	2.45	3	1
1:A:95:VAL:HA	1:A:183:THR:OG1	0.47	2.09	4	3
1:A:80:GLU:O	1:A:152:LYS:N	0.47	2.48	15	20
1:A:99:GLU:OE2	1:A:106:LYS:HE3	0.46	2.09	9	2
1:A:7:ARG:O	1:A:177:ILE:HA	0.46	2.10	17	4
1:A:9:LEU:HD12	1:A:50:TYR:CD1	0.46	2.45	1	1
1:A:24:LEU:CD2	1:A:167:LEU:HD13	0.46	2.39	14	1
1:A:89:THR:C	1:A:91:VAL:H	0.46	2.18	17	8
1:A:6:THR:O	1:A:20:THR:HA	0.46	2.11	1	1
1:A:148:LEU:N	1:A:148:LEU:HD23	0.46	2.25	8	1
1:A:175:VAL:HG13	1:A:177:ILE:HG23	0.46	1.87	1	4
1:A:25:TYR:CD2	1:A:67:VAL:HG13	0.46	2.46	19	2
1:A:37:VAL:HB	1:A:69:LYS:O	0.46	2.11	6	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:20:THR:OG1	1:A:23:GLU:HG2	0.46	2.10	9	1
1:A:90:THR:C	1:A:92:ASP:H	0.46	2.19	5	1
1:A:152:LYS:HA	1:A:152:LYS:HE2	0.46	1.86	20	1
1:A:92:ASP:O	1:A:107:ARG:HD2	0.45	2.11	1	2
1:A:112:LYS:HD2	1:A:112:LYS:H	0.45	1.71	19	1
1:A:54:LEU:H	1:A:54:LEU:CD1	0.45	2.25	7	3
1:A:115:ASP:O	1:A:150:GLU:HA	0.45	2.10	9	3
1:A:9:LEU:HD23	1:A:18:LYS:CE	0.45	2.42	17	1
1:A:8:ILE:N	1:A:19:ILE:O	0.45	2.47	2	11
1:A:97:VAL:HG13	1:A:104:ILE:HG12	0.45	1.88	9	1
1:A:52:ILE:HD13	1:A:58:LYS:C	0.45	2.36	2	3
1:A:77:ILE:O	1:A:88:GLU:HA	0.45	2.12	3	2
1:A:54:LEU:HD22	1:A:54:LEU:N	0.45	2.26	18	8
1:A:99:GLU:O	1:A:100:ASN:HB2	0.45	2.12	14	2
1:A:12:ILE:HG12	1:A:47:ILE:HG13	0.45	1.88	11	8
1:A:120:SER:H	1:A:180:ASN:HB3	0.45	1.72	12	1
1:A:50:TYR:CE1	1:A:59:VAL:HG11	0.45	2.47	20	1
1:A:9:LEU:HD23	1:A:18:LYS:HB2	0.45	1.88	7	1
1:A:49:VAL:HG11	1:A:169:ALA:CB	0.45	2.42	4	3
1:A:149:LEU:HD13	1:A:150:GLU:N	0.45	2.27	10	1
1:A:25:TYR:CZ	1:A:67:VAL:HB	0.44	2.47	3	1
1:A:54:LEU:N	1:A:54:LEU:CD1	0.44	2.79	3	1
1:A:175:VAL:HG22	1:A:176:ILE:H	0.44	1.72	7	2
1:A:32:ARG:HG2	1:A:39:VAL:HG22	0.44	1.88	4	1
1:A:94:PRO:HA	1:A:107:ARG:HA	0.44	1.89	9	3
1:A:56:THR:OG1	1:A:58:LYS:HD2	0.44	2.11	15	3
1:A:106:LYS:HA	1:A:110:GLU:OE1	0.44	2.13	13	1
1:A:97:VAL:HG23	1:A:116:LYS:H	0.44	1.72	14	1
1:A:82:GLU:HB2	1:A:152:LYS:HE2	0.44	1.88	8	1
1:A:91:VAL:HG23	1:A:92:ASP:N	0.44	2.28	3	1
1:A:25:TYR:HD1	1:A:67:VAL:HG11	0.44	1.72	2	1
1:A:9:LEU:HD12	1:A:50:TYR:CD2	0.44	2.47	12	1
1:A:42:LYS:NZ	1:A:42:LYS:HB2	0.44	2.28	12	1
1:A:78:ARG:HB3	1:A:155:LYS:CG	0.43	2.43	17	1
1:A:81:LEU:HB3	1:A:149:LEU:HD12	0.43	1.89	4	2
1:A:104:ILE:CD1	1:A:106:LYS:HE2	0.43	2.43	16	1
1:A:106:LYS:HG3	1:A:111:VAL:HG22	0.43	1.90	20	1
1:A:118:LEU:HA	1:A:148:LEU:HD13	0.43	1.89	3	1
1:A:85:ARG:NH1	1:A:119:VAL:HG11	0.43	2.28	7	1
1:A:118:LEU:HG	1:A:148:LEU:HD11	0.43	1.90	11	1
1:A:8:ILE:HB	1:A:21:LEU:CD2	0.43	2.43	20	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:3:PRO:HD3	1:A:76:LEU:HD13	0.43	1.90	11	3
1:A:29:GLU:O	1:A:30:ASP:HB2	0.43	2.12	8	1
1:A:155:LYS:HD3	1:A:157:VAL:HG13	0.43	1.91	18	1
1:A:28:PHE:O	1:A:40:ARG:HD3	0.43	2.14	4	1
1:A:62:THR:HG21	1:A:170:LYS:HB2	0.43	1.91	11	2
1:A:104:ILE:HG13	1:A:106:LYS:HE2	0.43	1.91	13	2
1:A:175:VAL:HG22	1:A:176:ILE:N	0.43	2.28	19	1
1:A:118:LEU:O	1:A:182:VAL:HG13	0.43	2.13	3	1
1:A:28:PHE:C	1:A:40:ARG:HD3	0.43	2.39	14	4
1:A:9:LEU:CD2	1:A:18:LYS:HB2	0.42	2.44	1	1
1:A:99:GLU:OE1	1:A:106:LYS:HE3	0.42	2.14	13	1
1:A:9:LEU:HD23	1:A:18:LYS:HE3	0.42	1.91	17	1
1:A:77:ILE:CD1	1:A:109:PHE:HA	0.42	2.44	4	4
1:A:56:THR:OG1	1:A:58:LYS:HD3	0.42	2.14	10	1
1:A:68:ILE:HD12	1:A:166:SER:HB3	0.42	1.91	15	1
1:A:49:VAL:CG1	1:A:62:THR:HG23	0.42	2.44	18	1
1:A:25:TYR:CD1	1:A:25:TYR:C	0.42	2.97	17	1
1:A:48:LYS:HE2	1:A:63:ASP:OD2	0.42	2.14	17	1
1:A:19:ILE:HD12	1:A:24:LEU:HA	0.42	1.90	16	3
1:A:29:GLU:HG2	1:A:44:LYS:HD3	0.42	1.90	9	1
1:A:2:PHE:HB2	1:A:21:LEU:CD1	0.42	2.44	7	1
1:A:67:VAL:HG12	1:A:167:LEU:CD1	0.42	2.44	3	1
1:A:99:GLU:CD	1:A:104:ILE:HD11	0.42	2.40	7	1
1:A:76:LEU:HA	1:A:89:THR:O	0.42	2.14	14	1
1:A:8:ILE:HD13	1:A:24:LEU:HD23	0.42	1.92	7	1
1:A:77:ILE:HG23	1:A:154:ILE:HG23	0.42	1.91	8	1
1:A:99:GLU:OE2	1:A:104:ILE:HD11	0.42	2.14	15	1
1:A:118:LEU:HA	1:A:148:LEU:CD1	0.41	2.45	10	1
1:A:2:PHE:CE1	1:A:177:ILE:HD13	0.41	2.50	19	1
1:A:91:VAL:C	1:A:93:HIS:H	0.41	2.23	2	2
1:A:42:LYS:HD3	1:A:42:LYS:C	0.41	2.40	4	1
1:A:76:LEU:HD11	1:A:159:ALA:HA	0.41	1.90	9	1
1:A:23:GLU:HA	1:A:26:GLU:OE2	0.41	2.16	1	1
1:A:176:ILE:HD12	1:A:176:ILE:N	0.41	2.30	4	1
1:A:77:ILE:CG2	1:A:154:ILE:HG23	0.41	2.46	8	2
1:A:118:LEU:HG	1:A:148:LEU:CD1	0.41	2.45	3	1
1:A:78:ARG:HD3	1:A:155:LYS:CD	0.41	2.45	6	1
1:A:49:VAL:HG13	1:A:64:ILE:CG1	0.41	2.46	14	1
1:A:7:ARG:O	1:A:178:ASN:N	0.41	2.51	8	4
1:A:52:ILE:HG12	1:A:176:ILE:HD11	0.41	1.92	1	1
1:A:112:LYS:HE3	1:A:115:ASP:OD2	0.41	2.15	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:62:THR:HG21	1:A:170:LYS:CB	0.41	2.46	18	1
1:A:99:GLU:HG2	1:A:104:ILE:HD11	0.41	1.91	18	1
1:A:25:TYR:CD1	1:A:67:VAL:HG11	0.41	2.51	2	1
1:A:76:LEU:O	1:A:157:VAL:HG23	0.41	2.15	17	1
1:A:8:ILE:HD13	1:A:24:LEU:CD2	0.41	2.46	20	1
1:A:25:TYR:OH	1:A:165:PHE:HB3	0.40	2.16	3	2
1:A:92:ASP:O	1:A:107:ARG:HG2	0.40	2.16	9	1
1:A:91:VAL:CA	1:A:108:ALA:HB3	0.40	2.32	3	1
1:A:41:LYS:O	1:A:42:LYS:CB	0.40	2.68	6	1
1:A:174:ASN:HD21	1:A:182:VAL:HG13	0.40	1.75	12	1
1:A:90:THR:C	1:A:91:VAL:HG13	0.40	2.42	11	3
1:A:25:TYR:CE2	1:A:67:VAL:HG13	0.40	2.51	6	2
1:A:65:GLU:HG3	1:A:169:ALA:C	0.40	2.41	6	1
1:A:112:LYS:H	1:A:112:LYS:HD2	0.40	1.76	6	1
1:A:161:ASP:CG	1:A:162:ASP:H	0.40	2.25	15	1
1:A:49:VAL:O	1:A:61:LEU:HD12	0.40	2.16	16	1
1:A:7:ARG:HA	1:A:19:ILE:O	0.40	2.16	2	1
1:A:151:ILE:HG21	1:A:154:ILE:CG1	0.40	2.46	8	1
1:A:49:VAL:HG13	1:A:64:ILE:HD11	0.40	1.94	11	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	152/185 (82%)	136±2 (90±2%)	12±2 (8±2%)	3±1 (2±1%)	8	48
All	All	3040/3700 (82%)	2729 (90%)	247 (8%)	64 (2%)	8	48

All 11 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	42	LYS	20
1	A	91	VAL	18
1	A	167	LEU	14

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Mol	Chain	Res	Type	Models (Total)
1	A	74	ASP	5
1	A	158	ARG	1
1	A	30	ASP	1
1	A	72	ALA	1
1	A	120	SER	1
1	A	3	PRO	1
1	A	4	GLY	1
1	A	159	ALA	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	141/173 (82%)	124±3 (88±2%)	17±3 (12±2%)	7 48
All	All	2820/3460 (82%)	2473 (88%)	347 (12%)	7 48

All 57 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	41	LYS	20
1	A	91	VAL	20
1	A	117	VAL	20
1	A	149	LEU	20
1	A	157	VAL	20
1	A	47	ILE	19
1	A	118	LEU	19
1	A	90	THR	18
1	A	89	THR	17
1	A	119	VAL	15
1	A	54	LEU	14
1	A	9	LEU	13
1	A	115	ASP	11
1	A	55	GLU	9
1	A	175	VAL	9
1	A	112	LYS	9
1	A	97	VAL	7

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Mol	Chain	Res	Type	Models (Total)
1	A	85	ARG	6
1	A	39	VAL	5
1	A	13	ASP	5
1	A	166	SER	5
1	A	179	GLU	4
1	A	182	VAL	4
1	A	30	ASP	3
1	A	25	TYR	3
1	A	68	ILE	3
1	A	104	ILE	3
1	A	106	LYS	3
1	A	105	GLU	3
1	A	52	ILE	2
1	A	113	GLU	2
1	A	100	ASN	2
1	A	92	ASP	2
1	A	152	LYS	2
1	A	155	LYS	2
1	A	42	LYS	2
1	A	170	LYS	2
1	A	63	ASP	2
1	A	83	ASP	2
1	A	167	LEU	2
1	A	29	GLU	2
1	A	24	LEU	1
1	A	44	LYS	1
1	A	96	LEU	1
1	A	27	LEU	1
1	A	93	HIS	1
1	A	74	ASP	1
1	A	32	ARG	1
1	A	86	SER	1
1	A	99	GLU	1
1	A	148	LEU	1
1	A	82	GLU	1
1	A	81	LEU	1
1	A	58	LYS	1
1	A	73	THR	1
1	A	174	ASN	1
1	A	164	VAL	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 80% for the well-defined parts and 79% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	2064
Number of shifts mapped to atoms	2064
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	6

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	182	0.48 ± 0.09	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	175	0.19 ± 0.14	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	173	0.79 ± 0.28	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 80%, i.e. 1779 atoms were assigned a chemical shift out of a possible 2210. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	600/756 (79%)	303/305 (99%)	152/304 (50%)	145/147 (99%)
Sidechain	1135/1306 (87%)	780/843 (93%)	348/410 (85%)	7/53 (13%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	44/148 (30%)	44/72 (61%)	0/74 (0%)	0/2 (0%)
Overall	1779/2210 (80%)	1127/1220 (92%)	500/788 (63%)	152/202 (75%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 79%, i.e. 2064 atoms were assigned a chemical shift out of a possible 2629. 0 out of 35 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	715/918 (78%)	360/370 (97%)	182/370 (49%)	173/178 (97%)
Sidechain	1305/1533 (85%)	892/985 (91%)	403/486 (83%)	10/62 (16%)
Aromatic	44/178 (25%)	44/88 (50%)	0/85 (0%)	0/5 (0%)
Overall	2064/2629 (79%)	1296/1443 (90%)	585/941 (62%)	183/245 (75%)

7.1.4 Statistically unusual chemical shifts (i)

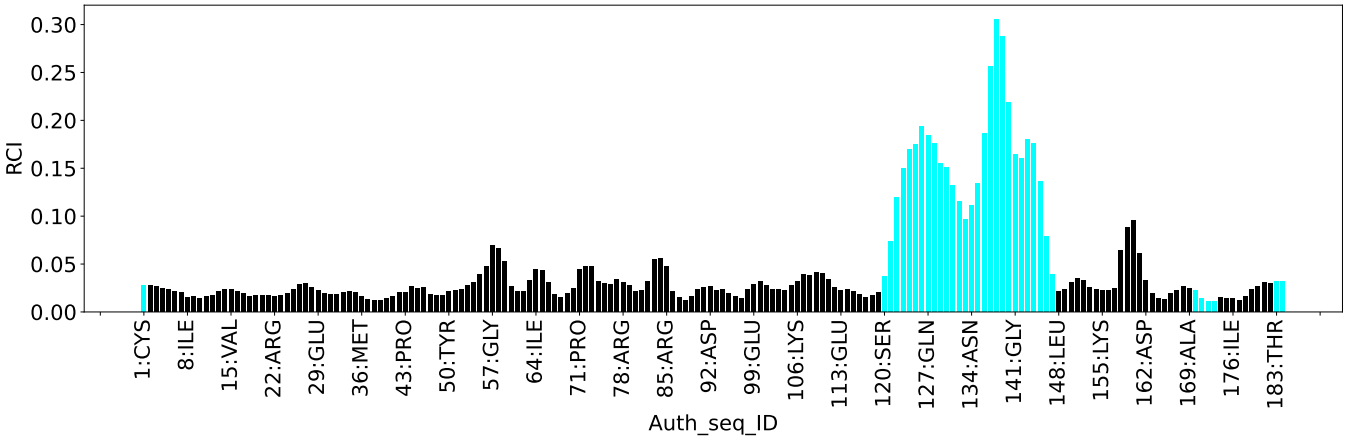
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	69	LYS	HE2	1.11	1.95 – 3.88	-9.3
1	A	40	ARG	HD2	1.51	1.97 – 4.26	-7.0
1	A	69	LYS	HE3	1.54	1.92 – 3.89	-6.9
1	A	69	LYS	HD2	0.47	0.58 – 2.64	-5.5
1	A	69	LYS	HB3	0.35	0.46 – 3.04	-5.5
1	A	69	LYS	HD3	0.47	0.54 – 2.65	-5.3

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
0.30
0.25
0.20
0.15
0.10
0.05
0.00
1:CYS
8:ILE
15:VAL
22:ARG
29:GLU
36:MET
43:PRO
50:TYR
57:GLY
64:ILE
71:PRO
78:ARG
85:ARG
92:ASP
99:GLU
106:LYS
113:GLU
120:SER
127:GLN
134:ASN
141:GLY
148:LEU
155:LYS
162:ASP
169:ALA
176:ILE
183:THR
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	3262
Intra-residue (|i-j|=0)	804
Sequential (|i-j|=1)	844
Medium range (|i-j|>1 and |i-j|<5)	345
Long range (|i-j|≥5)	1269
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	223
Number of unmapped restraints	0
Number of restraints per residue	18.8
Number of long range restraints per residue[1]	6.9

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	209.1	0.2
0.2-0.5 (Medium)	195.6	0.5
>0.5 (Large)	5.9	1.18

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)	16.9	7.88
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

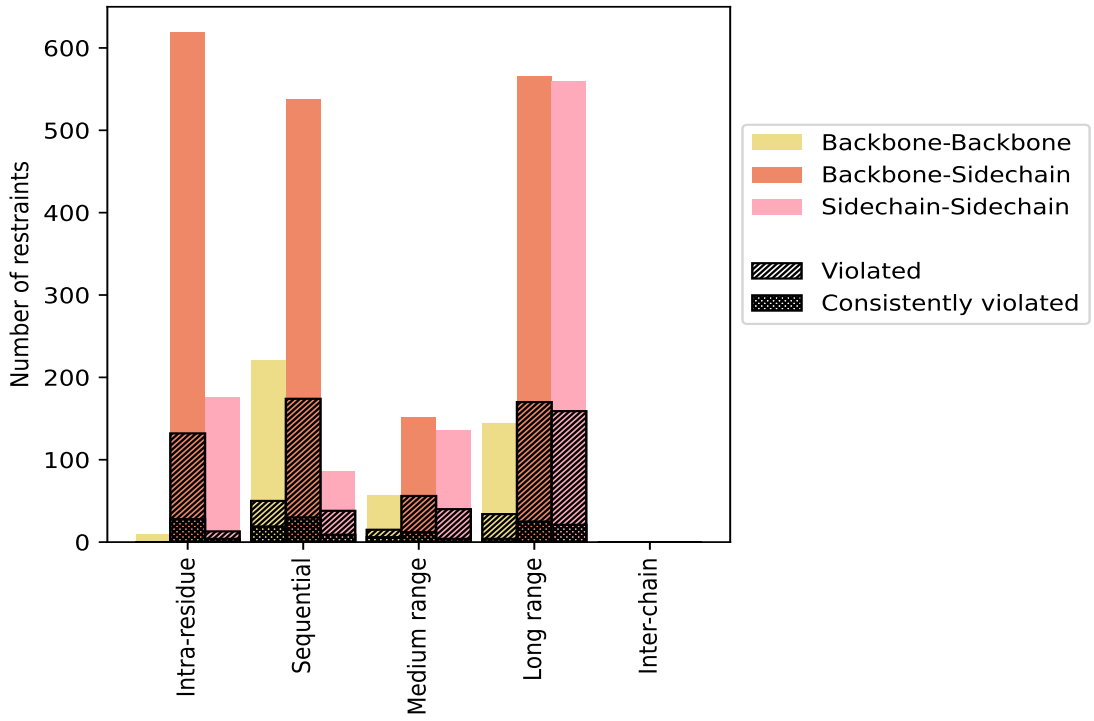
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	804	24.6	145	18.0	4.4	32	4.0	1.0
Backbone-Backbone	9	0.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	619	19.0	132	21.3	4.0	28	4.5	0.9
Sidechain-Sidechain	176	5.4	13	7.4	0.4	4	2.3	0.1
Sequential (|i-j|=1)	844	25.9	262	31.0	8.0	58	6.9	1.8
Backbone-Backbone	221	6.8	50	22.6	1.5	19	8.6	0.6
Backbone-Sidechain	537	16.5	174	32.4	5.3	30	5.6	0.9
Sidechain-Sidechain	86	2.6	38	44.2	1.2	9	10.5	0.3
Medium range (|i-j|>1 & |i-j|<5)	345	10.6	111	32.2	3.4	22	6.4	0.7
Backbone-Backbone	57	1.7	15	26.3	0.5	6	10.5	0.2
Backbone-Sidechain	152	4.7	56	36.8	1.7	12	7.9	0.4
Sidechain-Sidechain	136	4.2	40	29.4	1.2	4	2.9	0.1
Long range (|i-j|≥5)	1269	38.9	363	28.6	11.1	50	3.9	1.5
Backbone-Backbone	144	4.4	34	23.6	1.0	4	2.8	0.1
Backbone-Sidechain	566	17.4	170	30.0	5.2	25	4.4	0.8
Sidechain-Sidechain	559	17.1	159	28.4	4.9	21	3.8	0.6
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3262	100.0	881	27.0	27.0	162	5.0	5.0
Backbone-Backbone	431	13.2	99	23.0	3.0	29	6.7	0.9
Backbone-Sidechain	1874	57.4	532	28.4	16.3	95	5.1	2.9
Sidechain-Sidechain	957	29.3	250	26.1	7.7	38	4.0	1.2

[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	73	135	50	152	0	410	0.23	1.18	0.11	0.21
2	72	142	58	151	0	423	0.22	0.64	0.1	0.2
3	74	141	56	172	0	443	0.23	0.81	0.1	0.21
4	73	132	58	147	0	410	0.22	0.79	0.11	0.2
5	77	129	58	157	0	421	0.22	0.75	0.1	0.2
6	68	133	57	173	0	431	0.22	0.81	0.1	0.2
7	78	139	52	165	0	434	0.22	0.61	0.1	0.2
8	80	150	49	151	0	430	0.22	0.62	0.1	0.19
9	78	125	55	172	0	430	0.22	0.63	0.09	0.19
10	68	126	57	157	0	408	0.22	0.6	0.09	0.2

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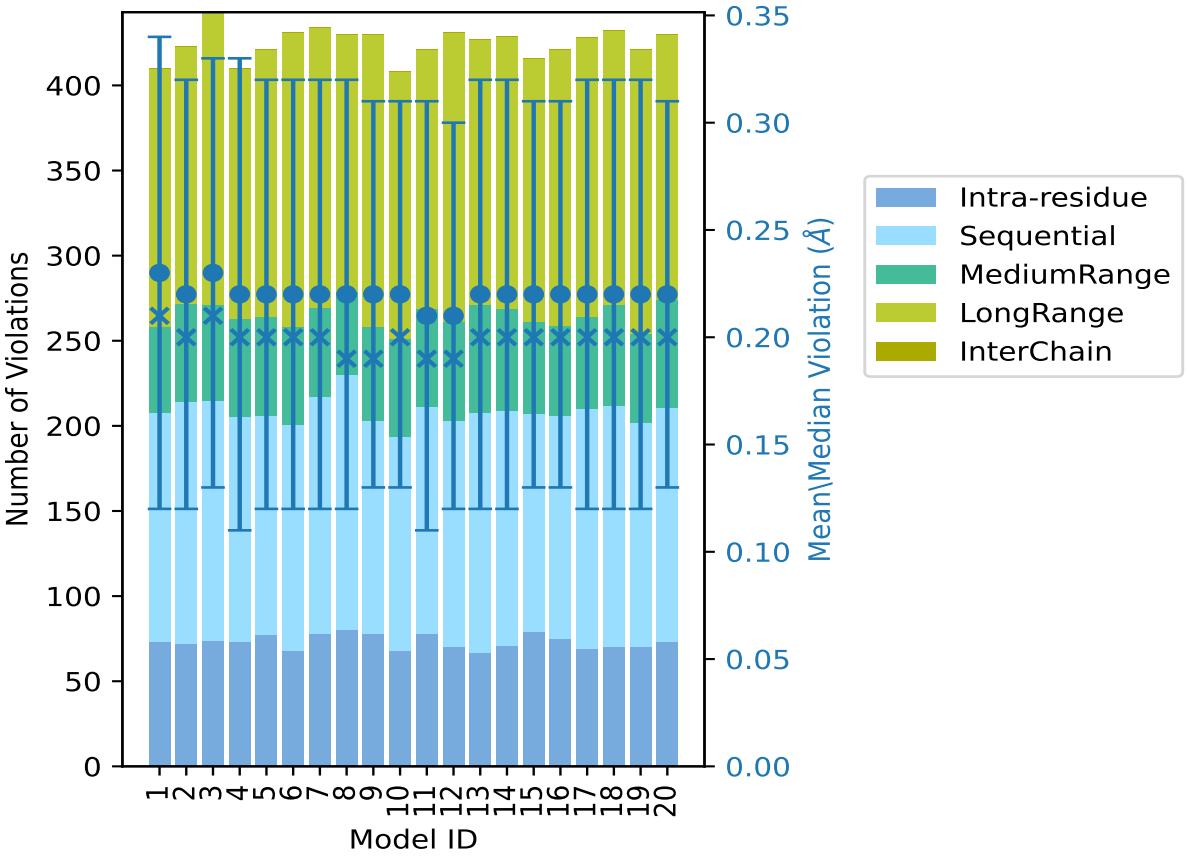
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	78	133	58	152	0	421	0.21	0.67	0.1	0.19
12	70	133	58	170	0	431	0.21	0.6	0.09	0.19
13	67	141	63	156	0	427	0.22	0.69	0.1	0.2
14	71	138	60	160	0	429	0.22	0.57	0.1	0.2
15	79	128	54	155	0	416	0.22	0.64	0.09	0.2
16	75	131	53	162	0	421	0.22	0.74	0.09	0.2
17	69	141	54	164	0	428	0.22	0.66	0.1	0.2
18	70	142	59	161	0	432	0.22	0.73	0.1	0.2
19	70	132	52	167	0	421	0.22	0.76	0.1	0.2
20	73	138	63	156	0	430	0.22	0.66	0.09	0.2

[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

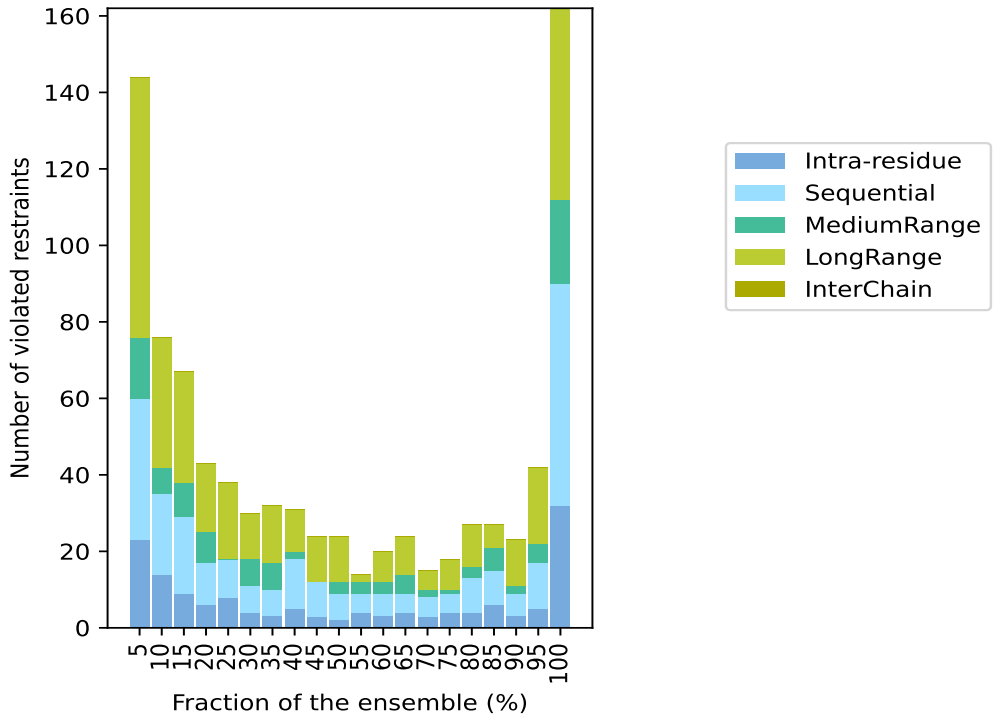
9.3 Distance violation statistics for the ensemble (i)

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, 2381(IR:659, SQ:582, MR:234, LR:906, 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]	%
23	37	16	68	0	144	1	5.0
14	21	7	34	0	76	2	10.0
9	20	9	29	0	67	3	15.0
6	11	8	18	0	43	4	20.0
8	10	0	20	0	38	5	25.0
4	7	7	12	0	30	6	30.0
3	7	7	15	0	32	7	35.0
5	13	2	11	0	31	8	40.0
3	9	0	12	0	24	9	45.0
2	7	3	12	0	24	10	50.0
4	5	3	2	0	14	11	55.0
3	6	3	8	0	20	12	60.0
4	5	5	10	0	24	13	65.0
3	5	2	5	0	15	14	70.0
4	5	1	8	0	18	15	75.0
4	9	3	11	0	27	16	80.0
6	9	6	6	0	27	17	85.0
3	6	2	12	0	23	18	90.0
5	12	5	20	0	42	19	95.0
32	58	22	50	0	162	20	100.0

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

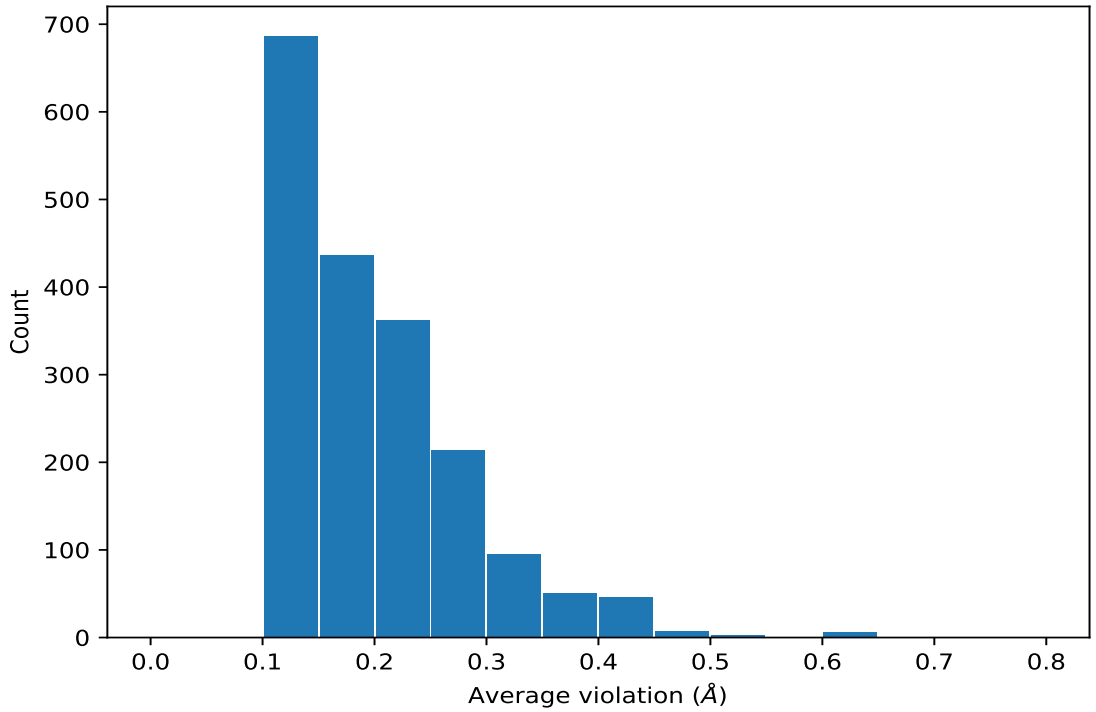
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	20	0.47	0.14	0.54
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	20	0.46	0.05	0.45
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	20	0.46	0.05	0.45
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	20	0.46	0.05	0.45
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	20	0.45	0.02	0.46
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	20	0.44	0.08	0.44
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	20	0.44	0.08	0.44
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	20	0.44	0.08	0.44
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	20	0.43	0.06	0.45
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	20	0.42	0.11	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	20	0.42	0.11	0.37
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	20	0.42	0.11	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	20	0.42	0.11	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	20	0.42	0.11	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	20	0.42	0.11	0.37
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	20	0.42	0.03	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	20	0.42	0.06	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	20	0.42	0.03	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	20	0.42	0.03	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	20	0.42	0.03	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	20	0.42	0.03	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	20	0.42	0.03	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	20	0.42	0.03	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	20	0.41	0.08	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	20	0.41	0.08	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	20	0.41	0.08	0.44
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	20	0.41	0.02	0.4
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	20	0.39	0.04	0.39
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	20	0.39	0.04	0.39
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	20	0.39	0.03	0.39
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	20	0.39	0.1	0.38
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	20	0.39	0.1	0.38
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	20	0.36	0.01	0.36
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	20	0.36	0.19	0.32
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	20	0.36	0.01	0.36
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	20	0.36	0.03	0.35
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	20	0.36	0.04	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	20	0.36	0.04	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	20	0.36	0.04	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	20	0.36	0.04	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	20	0.36	0.04	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	20	0.36	0.04	0.36
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	20	0.36	0.04	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	20	0.36	0.04	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	20	0.35	0.01	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	20	0.35	0.01	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	20	0.35	0.01	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	20	0.35	0.01	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	20	0.35	0.01	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	20	0.35	0.01	0.35
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	20	0.35	0.04	0.34
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	20	0.35	0.04	0.34
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	20	0.35	0.04	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	20	0.34	0.03	0.34
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	20	0.34	0.03	0.34
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	20	0.34	0.04	0.33
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	20	0.34	0.04	0.33
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	20	0.33	0.09	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	20	0.33	0.09	0.34
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	20	0.33	0.06	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	20	0.33	0.06	0.32
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	20	0.32	0.03	0.33
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	20	0.32	0.03	0.32
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	20	0.32	0.01	0.32
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	20	0.32	0.04	0.33
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	20	0.32	0.04	0.33
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	20	0.32	0.04	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	20	0.32	0.13	0.32
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	20	0.32	0.13	0.32
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	20	0.32	0.13	0.32
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	20	0.32	0.13	0.32
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	20	0.32	0.13	0.32
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	20	0.32	0.13	0.32
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	20	0.32	0.1	0.35
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	20	0.32	0.1	0.35
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	20	0.32	0.04	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	20	0.32	0.04	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	20	0.32	0.04	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	20	0.32	0.04	0.32
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	20	0.31	0.03	0.3
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	20	0.31	0.07	0.32
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	20	0.31	0.06	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	20	0.31	0.06	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	20	0.31	0.06	0.3
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	20	0.31	0.02	0.3
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	20	0.31	0.02	0.31
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	20	0.31	0.02	0.31
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	20	0.31	0.02	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	20	0.3	0.04	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	20	0.3	0.04	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	20	0.3	0.04	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	20	0.3	0.04	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	20	0.3	0.04	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	20	0.3	0.04	0.3
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	20	0.3	0.03	0.3
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	20	0.3	0.07	0.29
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	20	0.3	0.07	0.29
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	20	0.3	0.07	0.29
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	20	0.3	0.07	0.29
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	20	0.3	0.07	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	20	0.3	0.07	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	20	0.3	0.02	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	20	0.3	0.02	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	20	0.3	0.02	0.29
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	20	0.3	0.05	0.32
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	20	0.3	0.01	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	20	0.3	0.01	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	20	0.3	0.01	0.29
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	20	0.29	0.1	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	20	0.29	0.1	0.25
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	20	0.29	0.06	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	20	0.29	0.06	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	20	0.29	0.06	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	20	0.29	0.06	0.3
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	20	0.29	0.02	0.29
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	20	0.29	0.03	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	20	0.29	0.01	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	20	0.29	0.01	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	20	0.29	0.01	0.29
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	20	0.29	0.04	0.29
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	20	0.29	0.04	0.29
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	20	0.29	0.04	0.29
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	20	0.28	0.02	0.28
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	20	0.28	0.02	0.28
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	20	0.28	0.06	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	20	0.28	0.02	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	20	0.28	0.02	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	20	0.28	0.02	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	20	0.28	0.04	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	20	0.28	0.04	0.28
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	20	0.28	0.04	0.28
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	20	0.28	0.01	0.28
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	20	0.27	0.04	0.28
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	20	0.27	0.04	0.28
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	20	0.27	0.04	0.28
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	20	0.27	0.03	0.27
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	20	0.27	0.06	0.28
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	20	0.27	0.04	0.26
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	20	0.27	0.04	0.26
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	20	0.27	0.01	0.27
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	20	0.27	0.03	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	20	0.27	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	20	0.27	0.02	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	20	0.27	0.02	0.26
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	20	0.26	0.04	0.26
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	20	0.26	0.04	0.26
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	20	0.26	0.04	0.26
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	20	0.26	0.02	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	20	0.26	0.02	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	20	0.26	0.02	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	20	0.26	0.06	0.25
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	20	0.26	0.06	0.25
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	20	0.26	0.03	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	20	0.26	0.03	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	20	0.26	0.03	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	20	0.26	0.03	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	20	0.26	0.03	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	20	0.26	0.03	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	20	0.26	0.03	0.26
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	20	0.26	0.03	0.25
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	20	0.26	0.04	0.25
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	20	0.26	0.03	0.25
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	20	0.25	0.05	0.27
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	20	0.25	0.05	0.25
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	20	0.25	0.05	0.25
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	20	0.25	0.05	0.25
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	20	0.25	0.05	0.25
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	20	0.25	0.05	0.25
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	20	0.25	0.05	0.25
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	20	0.25	0.02	0.26
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	20	0.25	0.06	0.29
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	20	0.25	0.09	0.24
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	20	0.25	0.09	0.24
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	20	0.25	0.09	0.24
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	20	0.25	0.02	0.25
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	20	0.25	0.04	0.25
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	20	0.25	0.08	0.24
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	20	0.25	0.08	0.24
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	20	0.25	0.08	0.24
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	20	0.25	0.08	0.24
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	20	0.25	0.07	0.25
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	20	0.25	0.07	0.25
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	20	0.25	0.07	0.25
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	20	0.25	0.02	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	20	0.25	0.03	0.26
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	20	0.25	0.03	0.25
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	20	0.25	0.03	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	20	0.25	0.04	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	20	0.25	0.04	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	20	0.25	0.04	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	20	0.25	0.04	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	20	0.25	0.04	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	20	0.25	0.04	0.24
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	20	0.25	0.07	0.24
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	20	0.25	0.07	0.24
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	20	0.24	0.05	0.26
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	20	0.24	0.05	0.26
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	20	0.24	0.05	0.26
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	20	0.24	0.08	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	20	0.24	0.08	0.27
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	20	0.24	0.02	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	20	0.24	0.02	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	20	0.24	0.02	0.24
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	20	0.24	0.08	0.27
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	20	0.24	0.08	0.27
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	20	0.24	0.08	0.27
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	20	0.24	0.08	0.27
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	20	0.24	0.08	0.27
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	20	0.24	0.08	0.27
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	20	0.24	0.04	0.22
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	20	0.24	0.04	0.22
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	20	0.24	0.04	0.22
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	20	0.24	0.04	0.22
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	20	0.24	0.04	0.22
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	20	0.24	0.04	0.22
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	20	0.23	0.03	0.24
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	20	0.23	0.05	0.23
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	20	0.23	0.03	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	20	0.23	0.03	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	20	0.23	0.03	0.24
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	20	0.23	0.05	0.24
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	20	0.23	0.04	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	20	0.23	0.04	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	20	0.23	0.04	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	20	0.23	0.04	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	20	0.23	0.04	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	20	0.23	0.04	0.23
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	20	0.23	0.05	0.24
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	20	0.23	0.06	0.23
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	20	0.23	0.06	0.23
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	20	0.23	0.06	0.23
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	20	0.23	0.04	0.23
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	20	0.23	0.04	0.23
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	20	0.23	0.03	0.24
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	20	0.23	0.03	0.24
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	20	0.23	0.03	0.24
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	20	0.23	0.04	0.24
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	20	0.23	0.04	0.24
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	20	0.23	0.04	0.24
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	20	0.23	0.01	0.23
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	20	0.23	0.04	0.23
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	20	0.23	0.04	0.23
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	20	0.22	0.02	0.22
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	20	0.22	0.04	0.22
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	20	0.22	0.03	0.23
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	20	0.22	0.03	0.22
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	20	0.22	0.03	0.22
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	20	0.22	0.03	0.22
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	20	0.22	0.03	0.22
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	20	0.22	0.03	0.21
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	20	0.22	0.02	0.21
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	20	0.22	0.03	0.22
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	20	0.22	0.03	0.22
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	20	0.21	0.03	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	20	0.21	0.01	0.22
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	20	0.21	0.02	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	20	0.21	0.04	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	20	0.21	0.04	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	20	0.21	0.04	0.21
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	20	0.21	0.04	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	20	0.21	0.02	0.22
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	20	0.21	0.03	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	20	0.21	0.03	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	20	0.21	0.03	0.21
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	20	0.21	0.04	0.21
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	20	0.21	0.04	0.21
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	20	0.21	0.04	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	20	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	20	0.21	0.02	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	20	0.21	0.02	0.21
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	20	0.21	0.04	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	20	0.21	0.04	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	20	0.21	0.04	0.22
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	20	0.21	0.03	0.2
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	20	0.21	0.03	0.2
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	20	0.21	0.03	0.2
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	20	0.21	0.03	0.2
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	20	0.21	0.01	0.21
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	20	0.2	0.02	0.2
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	20	0.2	0.02	0.2
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	20	0.2	0.02	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	20	0.2	0.02	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	20	0.2	0.02	0.2
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	20	0.2	0.01	0.2
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	20	0.2	0.07	0.18
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	20	0.2	0.02	0.2
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	20	0.2	0.04	0.2
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	20	0.2	0.04	0.2
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	20	0.19	0.05	0.21
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	20	0.19	0.05	0.19
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	20	0.19	0.04	0.2
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	20	0.19	0.04	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	20	0.19	0.04	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	20	0.19	0.04	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	20	0.19	0.04	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	20	0.19	0.04	0.2
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	20	0.19	0.03	0.18
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	20	0.19	0.03	0.18
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	20	0.19	0.03	0.18
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	20	0.19	0.03	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	20	0.18	0.01	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	20	0.18	0.03	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	20	0.18	0.03	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	20	0.18	0.03	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	20	0.18	0.03	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	20	0.18	0.03	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	20	0.18	0.03	0.18
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	20	0.18	0.03	0.18
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	20	0.18	0.03	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	20	0.18	0.01	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	20	0.18	0.02	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	20	0.18	0.03	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	20	0.18	0.03	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	20	0.18	0.03	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	20	0.18	0.03	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	20	0.18	0.03	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	20	0.18	0.03	0.18
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	20	0.18	0.04	0.17
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	20	0.18	0.04	0.18
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	20	0.18	0.04	0.18
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	20	0.18	0.04	0.18
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	20	0.18	0.05	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	20	0.17	0.01	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	20	0.17	0.01	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	20	0.17	0.01	0.17
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	20	0.17	0.02	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	20	0.17	0.09	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	20	0.17	0.09	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	20	0.17	0.09	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	20	0.17	0.09	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	20	0.17	0.09	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	20	0.17	0.09	0.15
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	20	0.16	0.04	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	20	0.16	0.01	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	20	0.16	0.01	0.17
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	20	0.16	0.02	0.16
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	20	0.16	0.03	0.15
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	20	0.16	0.03	0.15
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	20	0.16	0.03	0.15
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	20	0.15	0.04	0.15
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	20	0.14	0.02	0.15
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	20	0.12	0.0	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	20	0.11	0.01	0.11
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	19	0.59	0.05	0.6
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	19	0.41	0.1	0.42
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	19	0.41	0.1	0.42
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	19	0.39	0.05	0.4
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	19	0.33	0.03	0.33
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	19	0.33	0.03	0.33
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	19	0.33	0.03	0.33
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	19	0.31	0.09	0.27
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	19	0.31	0.09	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	19	0.3	0.09	0.29
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	19	0.29	0.07	0.29
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	19	0.29	0.07	0.29
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	19	0.28	0.08	0.25
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	19	0.28	0.09	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	19	0.26	0.01	0.27
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	19	0.25	0.07	0.25
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	19	0.25	0.07	0.25
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	19	0.24	0.06	0.24
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	19	0.24	0.06	0.24
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	19	0.24	0.06	0.24
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	19	0.24	0.06	0.24
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	19	0.24	0.06	0.24
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	19	0.24	0.06	0.24
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	19	0.24	0.06	0.23
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	19	0.24	0.06	0.23
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	19	0.23	0.07	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	19	0.22	0.06	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	19	0.22	0.06	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	19	0.22	0.06	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	19	0.22	0.06	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	19	0.22	0.06	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	19	0.22	0.06	0.21
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	19	0.21	0.06	0.23
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	19	0.21	0.03	0.22
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	19	0.21	0.06	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	19	0.21	0.06	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	19	0.21	0.06	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	19	0.21	0.06	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	19	0.21	0.06	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	19	0.21	0.06	0.23
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	19	0.2	0.06	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	19	0.2	0.06	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	19	0.2	0.06	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	19	0.2	0.04	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	19	0.2	0.04	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	19	0.2	0.04	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	19	0.2	0.03	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	19	0.2	0.03	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	19	0.2	0.03	0.2
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	19	0.2	0.05	0.18
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	19	0.2	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	19	0.2	0.02	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	19	0.2	0.02	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	19	0.2	0.02	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	19	0.2	0.02	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	19	0.2	0.02	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	19	0.2	0.02	0.2
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	19	0.19	0.05	0.19
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	19	0.19	0.05	0.19
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	19	0.19	0.05	0.19
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	19	0.19	0.05	0.19
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	19	0.19	0.05	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	19	0.19	0.05	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	19	0.19	0.05	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	19	0.19	0.06	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	19	0.19	0.06	0.18
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	19	0.19	0.11	0.16
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	19	0.19	0.11	0.16
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	19	0.19	0.04	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	19	0.19	0.04	0.17
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	19	0.19	0.03	0.18
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	19	0.18	0.04	0.19
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	19	0.18	0.02	0.18
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	19	0.18	0.02	0.18
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	19	0.18	0.03	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	19	0.17	0.03	0.18
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	19	0.17	0.03	0.18
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	19	0.17	0.01	0.17
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	19	0.17	0.04	0.16
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	19	0.17	0.03	0.17
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	19	0.17	0.05	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	19	0.17	0.05	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	19	0.17	0.05	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	19	0.17	0.05	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	19	0.17	0.05	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	19	0.17	0.05	0.16
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	19	0.16	0.03	0.16
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	19	0.15	0.02	0.15
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	19	0.15	0.02	0.15
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	19	0.15	0.02	0.15
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	19	0.15	0.02	0.14
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	19	0.14	0.02	0.14
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	19	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	19	0.13	0.02	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	19	0.13	0.02	0.13
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	18	0.31	0.09	0.33
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	18	0.31	0.09	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	18	0.3	0.1	0.3
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	18	0.3	0.1	0.3
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	18	0.3	0.06	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	18	0.3	0.06	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	18	0.3	0.06	0.32
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	18	0.28	0.07	0.29
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	18	0.28	0.07	0.29
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	18	0.28	0.07	0.29
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	18	0.26	0.06	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	18	0.26	0.06	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	18	0.26	0.06	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	18	0.26	0.06	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	18	0.26	0.06	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	18	0.26	0.06	0.28
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	18	0.25	0.04	0.25
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	18	0.24	0.05	0.25
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	18	0.24	0.05	0.25
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	18	0.24	0.05	0.25
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	18	0.24	0.05	0.25
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	18	0.24	0.05	0.25
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	18	0.24	0.05	0.25
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	18	0.22	0.06	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	18	0.22	0.06	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	18	0.22	0.06	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	18	0.22	0.06	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	18	0.22	0.06	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	18	0.22	0.06	0.22
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	18	0.21	0.04	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	18	0.2	0.06	0.2
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	18	0.19	0.06	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	18	0.19	0.06	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	18	0.19	0.06	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	18	0.19	0.06	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	18	0.19	0.06	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	18	0.19	0.06	0.18
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	18	0.19	0.07	0.18
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	18	0.19	0.07	0.18
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	18	0.19	0.02	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	18	0.19	0.02	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	18	0.19	0.02	0.2
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	18	0.18	0.03	0.18
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	18	0.17	0.04	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	18	0.17	0.04	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	18	0.17	0.04	0.16
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	18	0.17	0.05	0.15
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	18	0.16	0.05	0.15
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	18	0.15	0.03	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	18	0.15	0.03	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	18	0.15	0.03	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	18	0.15	0.03	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	18	0.15	0.03	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	18	0.15	0.03	0.14
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	18	0.15	0.03	0.15
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	18	0.14	0.02	0.14
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	18	0.14	0.02	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	18	0.14	0.02	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	18	0.14	0.02	0.13
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	18	0.14	0.02	0.14
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	18	0.12	0.02	0.12
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	18	0.12	0.02	0.12
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	17	0.4	0.01	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	17	0.4	0.01	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	17	0.4	0.01	0.4
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	17	0.35	0.11	0.36
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	17	0.35	0.11	0.36
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	17	0.35	0.11	0.36
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	17	0.35	0.11	0.36
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	17	0.35	0.11	0.36
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	17	0.35	0.11	0.36
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	17	0.24	0.11	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	17	0.24	0.11	0.25
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	17	0.23	0.05	0.22
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	17	0.23	0.04	0.22
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	17	0.23	0.04	0.22
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	17	0.22	0.05	0.22
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	17	0.22	0.05	0.22
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	17	0.22	0.04	0.24
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	17	0.21	0.05	0.22
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	17	0.21	0.05	0.22
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	17	0.2	0.06	0.2
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	17	0.2	0.06	0.2
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	17	0.19	0.06	0.17
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	17	0.19	0.06	0.17
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	17	0.19	0.06	0.17
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	17	0.18	0.04	0.19
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	17	0.18	0.04	0.19
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	17	0.18	0.04	0.19
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	17	0.18	0.04	0.19
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	17	0.18	0.04	0.19
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	17	0.18	0.04	0.19
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	17	0.18	0.04	0.17
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	17	0.17	0.03	0.17
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	17	0.17	0.03	0.17
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	17	0.17	0.05	0.19
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	17	0.17	0.04	0.16
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	17	0.16	0.03	0.17
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	17	0.16	0.05	0.15
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	17	0.16	0.05	0.15
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	17	0.16	0.05	0.15
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	17	0.16	0.03	0.16
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	17	0.15	0.04	0.14
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	17	0.15	0.04	0.14
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	17	0.15	0.04	0.14
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	17	0.15	0.03	0.16
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	17	0.15	0.03	0.16
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	17	0.15	0.03	0.16
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	17	0.15	0.04	0.15
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	17	0.15	0.03	0.15
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	17	0.15	0.03	0.15
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	17	0.15	0.03	0.16
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	17	0.14	0.03	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	17	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	17	0.13	0.01	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	17	0.13	0.01	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	17	0.12	0.01	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	17	0.12	0.01	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	17	0.12	0.01	0.12
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	16	0.38	0.09	0.4
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	16	0.38	0.09	0.4
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	16	0.38	0.09	0.4
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	16	0.36	0.13	0.36
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	16	0.36	0.13	0.36
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	16	0.36	0.13	0.36
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	16	0.36	0.13	0.36
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	16	0.36	0.13	0.36
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	16	0.36	0.13	0.36
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	16	0.3	0.11	0.35
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	16	0.3	0.11	0.35
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	16	0.3	0.11	0.35
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	16	0.28	0.04	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	16	0.28	0.04	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	16	0.27	0.03	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	16	0.27	0.03	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	16	0.27	0.03	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	16	0.27	0.03	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	16	0.27	0.03	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	16	0.27	0.03	0.26
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	16	0.26	0.04	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	16	0.26	0.04	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	16	0.26	0.04	0.27
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	16	0.25	0.03	0.24
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	16	0.25	0.03	0.24
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	16	0.22	0.07	0.21
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	16	0.22	0.07	0.22
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	16	0.22	0.07	0.22
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	16	0.19	0.07	0.18
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	16	0.19	0.07	0.18
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	16	0.18	0.03	0.18
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	16	0.18	0.05	0.17
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	16	0.18	0.05	0.17
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	16	0.18	0.05	0.17
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	16	0.18	0.05	0.17
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	16	0.18	0.05	0.17
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	16	0.18	0.05	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	16	0.18	0.06	0.16
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	16	0.18	0.06	0.16
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	16	0.18	0.06	0.16
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	16	0.18	0.06	0.16
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	16	0.18	0.06	0.16
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	16	0.17	0.04	0.16
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	16	0.17	0.04	0.16
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	16	0.17	0.04	0.16
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	16	0.17	0.04	0.16
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	16	0.17	0.04	0.16
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	16	0.17	0.04	0.16
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	16	0.16	0.08	0.12
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	16	0.16	0.03	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	16	0.16	0.03	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	16	0.16	0.03	0.15
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	16	0.16	0.02	0.16
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	16	0.16	0.02	0.16
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	16	0.16	0.02	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	16	0.15	0.02	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	16	0.15	0.02	0.16
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	16	0.15	0.03	0.15
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	16	0.15	0.03	0.15
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	16	0.15	0.03	0.15
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	16	0.14	0.02	0.15
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	16	0.14	0.02	0.14
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	16	0.13	0.01	0.13
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	16	0.13	0.02	0.12
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	16	0.13	0.02	0.12
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	16	0.13	0.02	0.12
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	16	0.12	0.02	0.12
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	16	0.12	0.02	0.12
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	15	0.61	0.11	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	15	0.61	0.11	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	15	0.61	0.11	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	15	0.61	0.11	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	15	0.61	0.11	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	15	0.61	0.11	0.58
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	15	0.35	0.08	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	15	0.35	0.08	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	15	0.35	0.08	0.36
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	15	0.3	0.11	0.31
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	15	0.22	0.05	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	15	0.22	0.05	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	15	0.2	0.01	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	15	0.2	0.01	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	15	0.2	0.01	0.2
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	15	0.18	0.02	0.18
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	15	0.18	0.02	0.18
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	15	0.17	0.04	0.18
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	15	0.16	0.04	0.14
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	15	0.16	0.04	0.14
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	15	0.16	0.04	0.14
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	15	0.16	0.02	0.16
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	15	0.16	0.02	0.16
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	15	0.16	0.02	0.16
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	15	0.16	0.04	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	15	0.16	0.04	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	15	0.16	0.04	0.14
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	15	0.15	0.04	0.14
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	15	0.15	0.04	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	15	0.15	0.03	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	15	0.15	0.03	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	15	0.15	0.03	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	15	0.15	0.03	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	15	0.15	0.03	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	15	0.15	0.03	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	15	0.15	0.03	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	15	0.15	0.03	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	15	0.15	0.03	0.14
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	15	0.15	0.02	0.15
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	15	0.14	0.03	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	15	0.14	0.03	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	15	0.14	0.03	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	15	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	15	0.13	0.03	0.13
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	15	0.13	0.03	0.13
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	15	0.13	0.03	0.13
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	15	0.13	0.01	0.13
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	15	0.13	0.01	0.13
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	14	0.44	0.02	0.44
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	14	0.44	0.02	0.44
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	14	0.38	0.07	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	14	0.38	0.07	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	14	0.38	0.07	0.4
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	14	0.36	0.09	0.38
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	14	0.33	0.15	0.3
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	14	0.24	0.05	0.24
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	14	0.24	0.05	0.24
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	14	0.22	0.08	0.2
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	14	0.22	0.08	0.2
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	14	0.22	0.06	0.22
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	14	0.22	0.06	0.22
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	14	0.19	0.04	0.19
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	14	0.19	0.04	0.19
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	14	0.19	0.04	0.19
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	14	0.19	0.04	0.19
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	14	0.19	0.04	0.19
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	14	0.19	0.04	0.19
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	14	0.18	0.07	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	14	0.16	0.04	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	14	0.16	0.04	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	14	0.16	0.04	0.15
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	14	0.16	0.03	0.15
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	14	0.16	0.04	0.16
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	14	0.15	0.03	0.15
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	14	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	14	0.11	0.02	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	14	0.11	0.02	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	14	0.11	0.02	0.11
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	13	0.35	0.16	0.35
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	13	0.35	0.16	0.35
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	13	0.25	0.03	0.24
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	13	0.24	0.11	0.19
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	13	0.22	0.05	0.21
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	13	0.22	0.05	0.21
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	13	0.21	0.1	0.19
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	13	0.21	0.1	0.19
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	13	0.21	0.1	0.19
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	13	0.19	0.05	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	13	0.19	0.05	0.18
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	13	0.19	0.06	0.19
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	13	0.19	0.06	0.19
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	13	0.19	0.02	0.18
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	13	0.18	0.06	0.19
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	13	0.18	0.06	0.19
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	13	0.18	0.06	0.19
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	13	0.18	0.06	0.19
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	13	0.18	0.06	0.19
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	13	0.18	0.06	0.19
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	13	0.17	0.11	0.13
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	13	0.17	0.11	0.13
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	13	0.17	0.03	0.16
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	13	0.15	0.04	0.15
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	13	0.15	0.04	0.15
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	13	0.15	0.04	0.15
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	13	0.15	0.03	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	13	0.15	0.04	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	13	0.15	0.04	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	13	0.15	0.04	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	13	0.15	0.04	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	13	0.15	0.04	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	13	0.15	0.04	0.13
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	13	0.14	0.03	0.14
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	13	0.14	0.03	0.13
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	13	0.14	0.03	0.13
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	13	0.14	0.03	0.13
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	13	0.14	0.03	0.13
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	13	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	13	0.13	0.02	0.12
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	13	0.13	0.02	0.13
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	13	0.13	0.03	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	13	0.12	0.01	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	13	0.12	0.01	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	13	0.12	0.01	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	13	0.12	0.01	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	13	0.12	0.01	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	13	0.12	0.01	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	13	0.11	0.01	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	13	0.11	0.01	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	13	0.11	0.01	0.11
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	13	0.11	0.01	0.11
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	13	0.11	0.01	0.11
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	13	0.11	0.01	0.11
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	12	0.28	0.07	0.3
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	12	0.23	0.11	0.22
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	12	0.23	0.11	0.22
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	12	0.2	0.07	0.18
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	12	0.2	0.07	0.18
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	12	0.2	0.07	0.18
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	12	0.2	0.07	0.18
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	12	0.2	0.07	0.18
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	12	0.2	0.07	0.18
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	12	0.18	0.07	0.15
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	12	0.18	0.07	0.15
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	12	0.18	0.07	0.15
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	12	0.18	0.07	0.15
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	12	0.18	0.07	0.15
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	12	0.18	0.07	0.15
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	12	0.18	0.11	0.14
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	12	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	12	0.15	0.03	0.16
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	12	0.15	0.03	0.15
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	12	0.14	0.04	0.13
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	12	0.14	0.04	0.13
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	12	0.14	0.05	0.13
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	12	0.14	0.05	0.13
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	12	0.14	0.05	0.13
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	12	0.14	0.04	0.14
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	12	0.14	0.03	0.14
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	12	0.14	0.03	0.14
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	12	0.14	0.03	0.14
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	12	0.14	0.03	0.14
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	12	0.14	0.03	0.15
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	12	0.14	0.04	0.12
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	12	0.13	0.03	0.12
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	12	0.13	0.03	0.12
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	12	0.13	0.02	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	12	0.13	0.02	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	12	0.13	0.02	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	12	0.13	0.02	0.12
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	12	0.13	0.02	0.13
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	12	0.13	0.03	0.12
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	12	0.12	0.01	0.12
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	12	0.12	0.01	0.12
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	11	0.22	0.01	0.22
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	11	0.22	0.04	0.22
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	11	0.21	0.07	0.19
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	11	0.21	0.07	0.19
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	11	0.21	0.08	0.21
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	11	0.21	0.08	0.21
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	11	0.19	0.11	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	11	0.19	0.11	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	11	0.19	0.11	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	11	0.19	0.11	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	11	0.19	0.11	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	11	0.19	0.11	0.14
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	11	0.18	0.02	0.17
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	11	0.18	0.02	0.17
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	11	0.18	0.02	0.17
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	11	0.18	0.02	0.17
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	11	0.18	0.02	0.17
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	11	0.18	0.02	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	11	0.17	0.06	0.17
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	11	0.17	0.06	0.17
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	11	0.17	0.06	0.17
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	11	0.17	0.05	0.15
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	11	0.17	0.05	0.15
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	11	0.17	0.05	0.15
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	11	0.17	0.05	0.15
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	11	0.15	0.04	0.15
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	11	0.15	0.04	0.15
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	11	0.15	0.04	0.15
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	11	0.13	0.03	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	11	0.12	0.01	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	11	0.12	0.01	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	11	0.12	0.01	0.12
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	11	0.11	0.01	0.11
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	10	0.37	0.01	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	10	0.37	0.01	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	10	0.37	0.01	0.37
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	10	0.36	0.02	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	10	0.36	0.02	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	10	0.36	0.02	0.36
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	10	0.34	0.2	0.3
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	10	0.34	0.2	0.3
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	10	0.31	0.12	0.27
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	10	0.26	0.11	0.24
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	10	0.24	0.11	0.22
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	10	0.24	0.11	0.22
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	10	0.23	0.08	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	10	0.23	0.08	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	10	0.23	0.08	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	10	0.23	0.08	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	10	0.23	0.08	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	10	0.23	0.08	0.23
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	10	0.22	0.08	0.23
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	10	0.22	0.08	0.23
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	10	0.22	0.08	0.23
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	10	0.22	0.08	0.23
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	10	0.22	0.08	0.23
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	10	0.22	0.08	0.23
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	10	0.22	0.04	0.22
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	10	0.2	0.02	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	10	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	10	0.2	0.02	0.2
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	10	0.2	0.02	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	10	0.2	0.02	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	10	0.2	0.02	0.2
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	10	0.2	0.1	0.15
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	10	0.2	0.1	0.15
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	10	0.19	0.06	0.2
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	10	0.19	0.06	0.2
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	10	0.19	0.06	0.2
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	10	0.18	0.02	0.18
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	10	0.17	0.04	0.19
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	10	0.17	0.04	0.19
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	10	0.17	0.05	0.16
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	10	0.14	0.03	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	10	0.14	0.03	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	10	0.14	0.03	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	10	0.14	0.03	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	10	0.14	0.03	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	10	0.14	0.03	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	10	0.14	0.02	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	10	0.14	0.02	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	10	0.14	0.02	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	10	0.14	0.02	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	10	0.14	0.02	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	10	0.14	0.02	0.14
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	10	0.14	0.03	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	10	0.13	0.03	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	10	0.13	0.03	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	10	0.13	0.03	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	10	0.13	0.03	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	10	0.13	0.03	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	10	0.13	0.03	0.12
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	10	0.13	0.03	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	10	0.12	0.02	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	10	0.12	0.02	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	10	0.12	0.02	0.12
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	10	0.12	0.01	0.12
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	10	0.12	0.02	0.11
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	10	0.11	0.01	0.11
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	9	0.3	0.11	0.28
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	9	0.25	0.1	0.22
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	9	0.25	0.1	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	9	0.24	0.07	0.27
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	9	0.24	0.07	0.27
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	9	0.23	0.13	0.19
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	9	0.23	0.13	0.19
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	9	0.23	0.09	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	9	0.23	0.09	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	9	0.23	0.09	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	9	0.23	0.09	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	9	0.23	0.09	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	9	0.23	0.09	0.22
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	9	0.22	0.1	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	9	0.22	0.1	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	9	0.22	0.1	0.19
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	9	0.22	0.09	0.24
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	9	0.22	0.08	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	9	0.22	0.08	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	9	0.21	0.06	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	9	0.21	0.06	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	9	0.21	0.06	0.22
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	9	0.19	0.06	0.17
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	9	0.18	0.08	0.14
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	9	0.18	0.08	0.14
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	9	0.17	0.04	0.18
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	9	0.17	0.04	0.18
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	9	0.17	0.05	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	9	0.17	0.05	0.14
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	9	0.17	0.05	0.14
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	9	0.16	0.04	0.15
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	9	0.16	0.03	0.16
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	9	0.16	0.03	0.16
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	9	0.16	0.05	0.15
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	9	0.16	0.05	0.15
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	9	0.15	0.02	0.15
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	9	0.15	0.02	0.15
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	9	0.15	0.03	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	9	0.15	0.03	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	9	0.15	0.03	0.14
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	9	0.14	0.03	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	9	0.14	0.03	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	9	0.14	0.03	0.13
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	9	0.13	0.02	0.13
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	9	0.13	0.02	0.13
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	9	0.13	0.02	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	9	0.12	0.01	0.12
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	9	0.12	0.01	0.12
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	9	0.12	0.01	0.12
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	9	0.12	0.01	0.12
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	8	0.53	0.14	0.56
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	8	0.34	0.14	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	8	0.34	0.14	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	8	0.34	0.14	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	8	0.34	0.14	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	8	0.34	0.14	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	8	0.34	0.14	0.4
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	8	0.33	0.1	0.29
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	8	0.29	0.11	0.24
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	8	0.29	0.11	0.24
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	8	0.26	0.07	0.26
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	8	0.26	0.07	0.26
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	8	0.26	0.04	0.25
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	8	0.26	0.04	0.25
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	8	0.24	0.16	0.14
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	8	0.24	0.16	0.14
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	8	0.23	0.1	0.22
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	8	0.23	0.1	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	8	0.23	0.1	0.19
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	8	0.22	0.1	0.2
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	8	0.21	0.13	0.16
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	8	0.21	0.13	0.16
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	8	0.21	0.13	0.16
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	8	0.2	0.04	0.22
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	8	0.19	0.08	0.16
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	8	0.18	0.06	0.18
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	8	0.18	0.06	0.18
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	8	0.18	0.06	0.18
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	8	0.18	0.06	0.18
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	8	0.18	0.03	0.18
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	8	0.17	0.04	0.16
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	8	0.17	0.04	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	8	0.17	0.04	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	8	0.17	0.04	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	8	0.17	0.04	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	8	0.17	0.04	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	8	0.17	0.04	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	8	0.17	0.04	0.16
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	8	0.16	0.06	0.16
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	8	0.16	0.06	0.16
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	8	0.16	0.06	0.16
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	8	0.16	0.06	0.16
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	8	0.16	0.06	0.16
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	8	0.16	0.06	0.16
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	8	0.16	0.05	0.16
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	8	0.16	0.05	0.16
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	8	0.16	0.05	0.16
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	8	0.16	0.05	0.15
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	8	0.15	0.04	0.14
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	8	0.15	0.04	0.14
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	8	0.14	0.06	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	8	0.14	0.06	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	8	0.14	0.06	0.12
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	8	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	8	0.14	0.02	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	8	0.14	0.02	0.13
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	8	0.14	0.02	0.13
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	8	0.14	0.02	0.14
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	8	0.14	0.02	0.14
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	8	0.13	0.02	0.14
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	8	0.12	0.02	0.12
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	8	0.12	0.01	0.13
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	8	0.11	0.01	0.12
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	8	0.11	0.01	0.12
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	8	0.11	0.01	0.11
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	8	0.11	0.01	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	8	0.11	0.01	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	8	0.11	0.01	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	8	0.11	0.01	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	8	0.11	0.01	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	8	0.11	0.01	0.1
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	7	0.34	0.13	0.36
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	7	0.32	0.01	0.32
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	7	0.27	0.04	0.28
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	7	0.27	0.04	0.28
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	7	0.22	0.12	0.13
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	7	0.22	0.12	0.13
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	7	0.22	0.12	0.13
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	7	0.22	0.12	0.13
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	7	0.22	0.12	0.13
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	7	0.22	0.12	0.13
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	7	0.2	0.1	0.14
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	7	0.2	0.1	0.14
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	7	0.2	0.06	0.2
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	7	0.2	0.06	0.2
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	7	0.2	0.09	0.19
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	7	0.19	0.15	0.14
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	7	0.19	0.1	0.17
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	7	0.19	0.1	0.17
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	7	0.18	0.06	0.16
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	7	0.18	0.06	0.16
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	7	0.18	0.06	0.16
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	7	0.18	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	7	0.18	0.06	0.2
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	7	0.18	0.06	0.2
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	7	0.18	0.06	0.2
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	7	0.18	0.06	0.2
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	7	0.18	0.06	0.2
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	7	0.17	0.03	0.17
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	7	0.17	0.03	0.17
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	7	0.16	0.05	0.16
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	7	0.16	0.05	0.16
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	7	0.16	0.05	0.16
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	7	0.16	0.05	0.16
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	7	0.16	0.05	0.16
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	7	0.16	0.05	0.16
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	7	0.16	0.04	0.16
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	7	0.16	0.05	0.14
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	7	0.16	0.05	0.14
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	7	0.16	0.04	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	7	0.16	0.04	0.15
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	7	0.16	0.05	0.15
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	7	0.16	0.05	0.15
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	7	0.16	0.03	0.16
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	7	0.16	0.03	0.15
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	7	0.15	0.02	0.15
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	7	0.15	0.05	0.13
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	7	0.15	0.05	0.13
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	7	0.15	0.05	0.13
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	7	0.15	0.05	0.13
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	7	0.14	0.04	0.13
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	7	0.14	0.02	0.14
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	7	0.14	0.03	0.13
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	7	0.14	0.03	0.13
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	7	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	7	0.13	0.03	0.13
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	7	0.13	0.03	0.13
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	7	0.13	0.03	0.13
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	7	0.13	0.02	0.12
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	7	0.13	0.02	0.12
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	7	0.13	0.02	0.12
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	7	0.13	0.01	0.12
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	7	0.13	0.03	0.11
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	7	0.12	0.01	0.13
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	7	0.12	0.01	0.13
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	7	0.12	0.01	0.13
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	7	0.12	0.01	0.13
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	7	0.12	0.01	0.13
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	7	0.12	0.01	0.13
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	7	0.11	0.01	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	7	0.11	0.01	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	7	0.11	0.01	0.11
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	7	0.11	0.0	0.11
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	6	0.33	0.03	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	6	0.33	0.03	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	6	0.33	0.03	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	6	0.33	0.03	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	6	0.33	0.03	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	6	0.33	0.03	0.34
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	6	0.25	0.03	0.24
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	6	0.25	0.03	0.24
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	6	0.25	0.2	0.16
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	6	0.25	0.2	0.16
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	6	0.23	0.06	0.22
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	6	0.23	0.06	0.22
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	6	0.23	0.06	0.22
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	6	0.2	0.02	0.2
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	6	0.2	0.05	0.18
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	6	0.19	0.04	0.18
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	6	0.19	0.04	0.18
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	6	0.18	0.09	0.15
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	6	0.18	0.09	0.15
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	6	0.18	0.09	0.15
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	6	0.18	0.09	0.15
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	6	0.18	0.09	0.15
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	6	0.18	0.09	0.15
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	6	0.18	0.05	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	6	0.18	0.05	0.19
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	6	0.18	0.04	0.18
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	6	0.18	0.04	0.18
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	6	0.18	0.16	0.12
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	6	0.18	0.16	0.12
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	6	0.17	0.01	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	6	0.17	0.01	0.18
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	6	0.16	0.03	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	6	0.16	0.03	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	6	0.16	0.03	0.15
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	6	0.15	0.06	0.14
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	6	0.15	0.06	0.14
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	6	0.15	0.06	0.14
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	6	0.15	0.03	0.14
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	6	0.15	0.03	0.14
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	6	0.15	0.04	0.15
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	6	0.15	0.04	0.15
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	6	0.15	0.03	0.13
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	6	0.15	0.03	0.13
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	6	0.15	0.03	0.13
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	6	0.15	0.03	0.13
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	6	0.15	0.03	0.13
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	6	0.15	0.03	0.13
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	6	0.15	0.04	0.15
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	6	0.14	0.03	0.14
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	6	0.14	0.03	0.14
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	6	0.14	0.02	0.14
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	6	0.14	0.02	0.15
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	6	0.14	0.02	0.15
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	6	0.14	0.02	0.15
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	6	0.13	0.02	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	6	0.13	0.02	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	6	0.13	0.02	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	6	0.13	0.02	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	6	0.13	0.02	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	6	0.13	0.02	0.13
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	6	0.12	0.01	0.12
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	6	0.12	0.01	0.12
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	6	0.12	0.02	0.12
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	6	0.12	0.02	0.12
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	6	0.12	0.02	0.12
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	6	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	6	0.12	0.02	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	6	0.12	0.01	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	6	0.12	0.01	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	6	0.12	0.01	0.12
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	6	0.12	0.01	0.11
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	6	0.12	0.02	0.11
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	6	0.12	0.01	0.12
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	6	0.12	0.01	0.12
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB2	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB3	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB2	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB3	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB2	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB3	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB2	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB3	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB2	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB3	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB2	5	0.44	0.03	0.45
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB3	5	0.44	0.03	0.45
(1,2780)	1:133:A:ASP:HA	1:134:A:ASN:H	5	0.36	0.1	0.41
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD11	5	0.31	0.1	0.31
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD12	5	0.31	0.1	0.31
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD13	5	0.31	0.1	0.31
(1,3055)	1:161:A:ASP:H	1:161:A:ASP:HB3	5	0.29	0.03	0.3
(1,2733)	1:122:A:LEU:HA	1:145:A:HIS:HB2	5	0.26	0.1	0.3
(1,2717)	1:121:A:GLU:HB2	1:122:A:LEU:HA	5	0.24	0.21	0.13
(1,2717)	1:121:A:GLU:HB3	1:122:A:LEU:HA	5	0.24	0.21	0.13
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG11	5	0.21	0.06	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG12	5	0.21	0.06	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG13	5	0.21	0.06	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG21	5	0.21	0.06	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG22	5	0.21	0.06	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG23	5	0.21	0.06	0.2
(1,1520)	1:65:A:GLU:H	1:170:A:LYS:H	5	0.21	0.07	0.18
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG2	5	0.2	0.03	0.2
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG3	5	0.2	0.03	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG11	5	0.2	0.01	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG12	5	0.2	0.01	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG13	5	0.2	0.01	0.2
(1,1451)	1:62:A:THR:HB	1:170:A:LYS:HB3	5	0.18	0.05	0.21
(1,1721)	1:77:A:ILE:HD11	1:91:A:VAL:HA	5	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1721)	1:77:A:ILE:HD12	1:91:A:VAL:HA	5	0.16	0.03	0.16
(1,1721)	1:77:A:ILE:HD13	1:91:A:VAL:HA	5	0.16	0.03	0.16
(1,3204)	1:179:A:GLU:H	1:179:A:GLU:HG3	5	0.16	0.05	0.14
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB2	5	0.16	0.02	0.16
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB3	5	0.16	0.02	0.16
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG21	5	0.16	0.04	0.16
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG22	5	0.16	0.04	0.16
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG23	5	0.16	0.04	0.16
(1,419)	1:13:A:ASP:HB2	1:14:A:GLY:H	5	0.16	0.02	0.17
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG21	5	0.16	0.05	0.13
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG22	5	0.16	0.05	0.13
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG23	5	0.16	0.05	0.13
(1,1536)	1:67:A:VAL:HG11	1:168:A:ASN:H	5	0.16	0.04	0.15
(1,1536)	1:67:A:VAL:HG12	1:168:A:ASN:H	5	0.16	0.04	0.15
(1,1536)	1:67:A:VAL:HG13	1:168:A:ASN:H	5	0.16	0.04	0.15
(1,1536)	1:67:A:VAL:HG21	1:168:A:ASN:H	5	0.16	0.04	0.15
(1,1536)	1:67:A:VAL:HG22	1:168:A:ASN:H	5	0.16	0.04	0.15
(1,1536)	1:67:A:VAL:HG23	1:168:A:ASN:H	5	0.16	0.04	0.15
(1,308)	1:11:A:GLN:HA	1:16:A:PRO:HB2	5	0.15	0.03	0.15
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG21	5	0.15	0.05	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG22	5	0.15	0.05	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG23	5	0.15	0.05	0.12
(1,2600)	1:116:A:LYS:HE2	1:148:A:LEU:HG	5	0.14	0.02	0.14
(1,2600)	1:116:A:LYS:HE3	1:148:A:LEU:HG	5	0.14	0.02	0.14
(1,1871)	1:80:A:GLU:HG2	1:86:A:SER:HA	5	0.14	0.02	0.13
(1,1871)	1:80:A:GLU:HG3	1:86:A:SER:HA	5	0.14	0.02	0.13
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD2	5	0.14	0.03	0.12
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD3	5	0.14	0.03	0.12
(1,1733)	1:77:A:ILE:HD11	1:156:A:TYR:HA	5	0.14	0.02	0.15
(1,1733)	1:77:A:ILE:HD12	1:156:A:TYR:HA	5	0.14	0.02	0.15
(1,1733)	1:77:A:ILE:HD13	1:156:A:TYR:HA	5	0.14	0.02	0.15
(1,2723)	1:121:A:GLU:H	1:122:A:LEU:H	5	0.14	0.02	0.14
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD11	5	0.13	0.02	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD12	5	0.13	0.02	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD13	5	0.13	0.02	0.13
(1,2493)	1:111:A:VAL:H	1:112:A:LYS:HA	5	0.13	0.02	0.14
(1,284)	1:10:A:VAL:HG11	1:18:A:LYS:HA	5	0.13	0.02	0.13
(1,284)	1:10:A:VAL:HG12	1:18:A:LYS:HA	5	0.13	0.02	0.13
(1,284)	1:10:A:VAL:HG13	1:18:A:LYS:HA	5	0.13	0.02	0.13
(1,284)	1:10:A:VAL:HG21	1:18:A:LYS:HA	5	0.13	0.02	0.13
(1,284)	1:10:A:VAL:HG22	1:18:A:LYS:HA	5	0.13	0.02	0.13
(1,284)	1:10:A:VAL:HG23	1:18:A:LYS:HA	5	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG11	5	0.13	0.01	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG12	5	0.13	0.01	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG13	5	0.13	0.01	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG21	5	0.13	0.01	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG22	5	0.13	0.01	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG23	5	0.13	0.01	0.13
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD11	5	0.13	0.03	0.12
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD12	5	0.13	0.03	0.12
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD13	5	0.13	0.03	0.12
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB2	5	0.13	0.02	0.12
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB3	5	0.13	0.02	0.12
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG11	5	0.12	0.02	0.12
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG12	5	0.12	0.02	0.12
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG13	5	0.12	0.02	0.12
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG2	5	0.12	0.03	0.11
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG3	5	0.12	0.03	0.11
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG2	5	0.12	0.03	0.11
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG3	5	0.12	0.03	0.11
(1,1020)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	5	0.12	0.02	0.11
(1,1020)	1:42:A:LYS:HB3	1:43:A:PRO:HD3	5	0.12	0.02	0.11
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB1	5	0.12	0.01	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB2	5	0.12	0.01	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB3	5	0.12	0.01	0.12
(1,2277)	1:97:A:VAL:H	1:103:A:PHE:HB3	5	0.11	0.01	0.11
(1,453)	1:15:A:VAL:H	1:16:A:PRO:HA	5	0.11	0.01	0.11
(1,2327)	1:99:A:GLU:H	1:99:A:GLU:HB2	5	0.11	0.01	0.11
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG2	4	0.5	0.05	0.53
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG3	4	0.5	0.05	0.53
(1,2790)	1:135:A:PRO:HA	1:136:A:LYS:H	4	0.42	0.03	0.43
(1,1532)	1:67:A:VAL:HG11	1:68:A:ILE:HB	4	0.35	0.05	0.38
(1,1532)	1:67:A:VAL:HG12	1:68:A:ILE:HB	4	0.35	0.05	0.38
(1,1532)	1:67:A:VAL:HG13	1:68:A:ILE:HB	4	0.35	0.05	0.38
(1,1532)	1:67:A:VAL:HG21	1:68:A:ILE:HB	4	0.35	0.05	0.38
(1,1532)	1:67:A:VAL:HG22	1:68:A:ILE:HB	4	0.35	0.05	0.38
(1,1532)	1:67:A:VAL:HG23	1:68:A:ILE:HB	4	0.35	0.05	0.38
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD21	4	0.27	0.07	0.26
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD22	4	0.27	0.07	0.26
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD23	4	0.27	0.07	0.26
(1,2745)	1:122:A:LEU:HG	1:123:A:GLU:H	4	0.26	0.08	0.26
(1,1337)	1:54:A:LEU:HD21	1:55:A:GLU:H	4	0.25	0.04	0.26
(1,1337)	1:54:A:LEU:HD22	1:55:A:GLU:H	4	0.25	0.04	0.26
(1,1337)	1:54:A:LEU:HD23	1:55:A:GLU:H	4	0.25	0.04	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1180)	1:49:A:VAL:HG11	1:50:A:TYR:HA	4	0.24	0.01	0.24
(1,1180)	1:49:A:VAL:HG12	1:50:A:TYR:HA	4	0.24	0.01	0.24
(1,1180)	1:49:A:VAL:HG13	1:50:A:TYR:HA	4	0.24	0.01	0.24
(1,1180)	1:49:A:VAL:HG21	1:50:A:TYR:HA	4	0.24	0.01	0.24
(1,1180)	1:49:A:VAL:HG22	1:50:A:TYR:HA	4	0.24	0.01	0.24
(1,1180)	1:49:A:VAL:HG23	1:50:A:TYR:HA	4	0.24	0.01	0.24
(1,1197)	1:49:A:VAL:HG11	1:62:A:THR:H	4	0.24	0.02	0.24
(1,1197)	1:49:A:VAL:HG12	1:62:A:THR:H	4	0.24	0.02	0.24
(1,1197)	1:49:A:VAL:HG13	1:62:A:THR:H	4	0.24	0.02	0.24
(1,3035)	1:158:A:ARG:HG2	1:159:A:ALA:H	4	0.22	0.03	0.22
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB2	4	0.21	0.1	0.17
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB3	4	0.21	0.1	0.17
(1,1934)	1:81:A:LEU:HD11	1:85:A:ARG:HD2	4	0.2	0.01	0.2
(1,1934)	1:81:A:LEU:HD12	1:85:A:ARG:HD2	4	0.2	0.01	0.2
(1,1934)	1:81:A:LEU:HD13	1:85:A:ARG:HD2	4	0.2	0.01	0.2
(1,1159)	1:48:A:LYS:HD2	1:64:A:ILE:H	4	0.2	0.04	0.2
(1,766)	1:29:A:GLU:HG2	1:44:A:LYS:HG3	4	0.18	0.07	0.15
(1,766)	1:29:A:GLU:HG3	1:44:A:LYS:HG3	4	0.18	0.07	0.15
(1,37)	1:3:A:PRO:HD2	1:89:A:THR:HA	4	0.18	0.06	0.17
(1,3131)	1:175:A:VAL:HG11	1:178:A:ASN:H	4	0.17	0.07	0.14
(1,3131)	1:175:A:VAL:HG12	1:178:A:ASN:H	4	0.17	0.07	0.14
(1,3131)	1:175:A:VAL:HG13	1:178:A:ASN:H	4	0.17	0.07	0.14
(1,3131)	1:175:A:VAL:HG21	1:178:A:ASN:H	4	0.17	0.07	0.14
(1,3131)	1:175:A:VAL:HG22	1:178:A:ASN:H	4	0.17	0.07	0.14
(1,3131)	1:175:A:VAL:HG23	1:178:A:ASN:H	4	0.17	0.07	0.14
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG11	4	0.16	0.05	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG12	4	0.16	0.05	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG13	4	0.16	0.05	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG21	4	0.16	0.05	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG22	4	0.16	0.05	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG23	4	0.16	0.05	0.16
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD1	4	0.16	0.04	0.15
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD2	4	0.16	0.04	0.15
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD1	4	0.16	0.04	0.15
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD2	4	0.16	0.04	0.15
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD21	4	0.16	0.04	0.17
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD22	4	0.16	0.04	0.17
(1,96)	1:7:A:ARG:HB2	1:8:A:ILE:H	4	0.16	0.03	0.16
(1,96)	1:7:A:ARG:HB3	1:8:A:ILE:H	4	0.16	0.03	0.16
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG11	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG12	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG13	4	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG11	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG12	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG13	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	4	0.15	0.03	0.16
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	4	0.15	0.03	0.16
(1,418)	1:13:A:ASP:HB3	1:15:A:VAL:H	4	0.15	0.02	0.15
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB2	4	0.14	0.06	0.12
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB3	4	0.14	0.06	0.12
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB2	4	0.14	0.06	0.12
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB3	4	0.14	0.06	0.12
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB2	4	0.14	0.06	0.12
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB3	4	0.14	0.06	0.12
(1,420)	1:13:A:ASP:HB2	1:15:A:VAL:H	4	0.14	0.03	0.14
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	4	0.14	0.03	0.14
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	4	0.14	0.03	0.14
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	4	0.14	0.03	0.14
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	4	0.14	0.03	0.14
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	4	0.14	0.03	0.14
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	4	0.14	0.03	0.14
(1,1584)	1:69:A:LYS:HG2	1:163:A:PHE:HB2	4	0.14	0.04	0.11
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD2	4	0.13	0.0	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD3	4	0.13	0.0	0.13
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD11	4	0.13	0.03	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD12	4	0.13	0.03	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD13	4	0.13	0.03	0.12
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG11	4	0.13	0.0	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG12	4	0.13	0.0	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG13	4	0.13	0.0	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG21	4	0.13	0.0	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG22	4	0.13	0.0	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG23	4	0.13	0.0	0.13
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG11	4	0.13	0.01	0.13
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG12	4	0.13	0.01	0.13
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG13	4	0.13	0.01	0.13
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG11	4	0.13	0.01	0.13
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG12	4	0.13	0.01	0.13
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG13	4	0.13	0.01	0.13
(1,2109)	1:90:A:THR:HG21	1:164:A:VAL:HB	4	0.12	0.03	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2109)	1:90:A:THR:HG22	1:164:A:VAL:HB	4	0.12	0.03	0.11
(1,2109)	1:90:A:THR:HG23	1:164:A:VAL:HB	4	0.12	0.03	0.11
(1,3039)	1:158:A:ARG:H	1:158:A:ARG:HG2	4	0.12	0.03	0.11
(1,166)	1:8:A:ILE:HG21	1:10:A:VAL:H	4	0.12	0.01	0.12
(1,166)	1:8:A:ILE:HG22	1:10:A:VAL:H	4	0.12	0.01	0.12
(1,166)	1:8:A:ILE:HG23	1:10:A:VAL:H	4	0.12	0.01	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG11	4	0.12	0.01	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG12	4	0.12	0.01	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG13	4	0.12	0.01	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG21	4	0.12	0.01	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG22	4	0.12	0.01	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG23	4	0.12	0.01	0.12
(1,1861)	1:80:A:GLU:HB2	1:153:A:ASN:HA	4	0.12	0.01	0.12
(1,1861)	1:80:A:GLU:HB3	1:153:A:ASN:HA	4	0.12	0.01	0.12
(1,2523)	1:113:A:GLU:HB2	1:114:A:GLY:HA2	4	0.12	0.01	0.12
(1,2523)	1:113:A:GLU:HB3	1:114:A:GLY:HA2	4	0.12	0.01	0.12
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD1	4	0.12	0.01	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD2	4	0.12	0.01	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD1	4	0.12	0.01	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD2	4	0.12	0.01	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD1	4	0.12	0.01	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD2	4	0.12	0.01	0.11
(1,1884)	1:80:A:GLU:H	1:86:A:SER:HA	4	0.12	0.01	0.12
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD11	4	0.12	0.01	0.12
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD12	4	0.12	0.01	0.12
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD13	4	0.12	0.01	0.12
(1,2405)	1:105:A:GLU:HB2	1:106:A:LYS:H	4	0.12	0.02	0.11
(1,2405)	1:105:A:GLU:HB3	1:106:A:LYS:H	4	0.12	0.02	0.11
(1,488)	1:17:A:GLN:H	1:18:A:LYS:HA	4	0.12	0.0	0.12
(1,525)	1:19:A:ILE:HB	1:24:A:LEU:HB2	4	0.12	0.01	0.12
(1,708)	1:27:A:LEU:H	1:28:A:PHE:HB2	4	0.11	0.01	0.12
(1,422)	1:13:A:ASP:H	1:13:A:ASP:HB3	4	0.1	0.0	0.1
(1,1662)	1:75:A:HIS:HB3	1:76:A:LEU:HA	3	0.74	0.03	0.74
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD11	3	0.42	0.01	0.42
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD12	3	0.42	0.01	0.42
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD13	3	0.42	0.01	0.42
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD11	3	0.36	0.02	0.37
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD12	3	0.36	0.02	0.37
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD13	3	0.36	0.02	0.37
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG2	3	0.36	0.2	0.23
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG3	3	0.36	0.2	0.23
(1,1653)	1:75:A:HIS:HA	1:159:A:ALA:H	3	0.34	0.04	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2809)	1:139:A:ASN:HA	1:140:A:LEU:H	3	0.33	0.03	0.32
(1,1991)	1:83:A:ASP:HB3	1:84:A:GLY:H	3	0.31	0.01	0.3
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG11	3	0.3	0.12	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG12	3	0.3	0.12	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG13	3	0.3	0.12	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG21	3	0.3	0.12	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG22	3	0.3	0.12	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG23	3	0.3	0.12	0.35
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG21	3	0.27	0.08	0.24
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG22	3	0.27	0.08	0.24
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG23	3	0.27	0.08	0.24
(1,2527)	1:113:A:GLU:HG2	1:114:A:GLY:HA3	3	0.27	0.13	0.29
(1,2527)	1:113:A:GLU:HG3	1:114:A:GLY:HA3	3	0.27	0.13	0.29
(1,3028)	1:158:A:ARG:HA	1:159:A:ALA:H	3	0.26	0.02	0.25
(1,1992)	1:83:A:ASP:HB3	1:149:A:LEU:HG	3	0.24	0.1	0.27
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD11	3	0.24	0.12	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD12	3	0.24	0.12	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD13	3	0.24	0.12	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD21	3	0.24	0.12	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD22	3	0.24	0.12	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD23	3	0.24	0.12	0.16
(1,1665)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	3	0.2	0.08	0.19
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG11	3	0.2	0.04	0.22
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG12	3	0.2	0.04	0.22
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG13	3	0.2	0.04	0.22
(1,2032)	1:85:A:ARG:HG2	1:179:A:GLU:H	3	0.19	0.02	0.2
(1,2032)	1:85:A:ARG:HG3	1:179:A:GLU:H	3	0.19	0.02	0.2
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB2	3	0.19	0.05	0.16
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB3	3	0.19	0.05	0.16
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB2	3	0.19	0.05	0.16
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB3	3	0.19	0.05	0.16
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG21	3	0.18	0.07	0.17
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG22	3	0.18	0.07	0.17
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG23	3	0.18	0.07	0.17
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG21	3	0.18	0.07	0.17
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG22	3	0.18	0.07	0.17
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG23	3	0.18	0.07	0.17
(1,1702)	1:76:A:LEU:H	1:159:A:ALA:H	3	0.17	0.04	0.18
(1,2259)	1:97:A:VAL:HG11	1:99:A:GLU:HG3	3	0.17	0.07	0.12
(1,2259)	1:97:A:VAL:HG12	1:99:A:GLU:HG3	3	0.17	0.07	0.12
(1,2259)	1:97:A:VAL:HG13	1:99:A:GLU:HG3	3	0.17	0.07	0.12
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB2	3	0.16	0.05	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB3	3	0.16	0.05	0.14
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB2	3	0.16	0.05	0.14
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB3	3	0.16	0.05	0.14
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB2	3	0.16	0.05	0.14
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB3	3	0.16	0.05	0.14
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB2	3	0.16	0.04	0.16
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB3	3	0.16	0.04	0.16
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB2	3	0.16	0.04	0.16
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB3	3	0.16	0.04	0.16
(1,3041)	1:159:A:ALA:HA	1:161:A:ASP:H	3	0.16	0.04	0.18
(1,2464)	1:108:A:ALA:H	1:110:A:GLU:HB3	3	0.16	0.02	0.16
(1,2729)	1:122:A:LEU:HA	1:123:A:GLU:H	3	0.16	0.03	0.16
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB2	3	0.16	0.01	0.16
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB3	3	0.16	0.01	0.16
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG21	3	0.15	0.04	0.16
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG22	3	0.15	0.04	0.16
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG23	3	0.15	0.04	0.16
(1,2267)	1:97:A:VAL:HG21	1:99:A:GLU:HG3	3	0.15	0.01	0.15
(1,2267)	1:97:A:VAL:HG22	1:99:A:GLU:HG3	3	0.15	0.01	0.15
(1,2267)	1:97:A:VAL:HG23	1:99:A:GLU:HG3	3	0.15	0.01	0.15
(1,2330)	1:99:A:GLU:H	1:103:A:PHE:HA	3	0.15	0.01	0.15
(1,2392)	1:104:A:ILE:HG12	1:105:A:GLU:H	3	0.15	0.03	0.14
(1,2392)	1:104:A:ILE:HG13	1:105:A:GLU:H	3	0.15	0.03	0.14
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG21	3	0.15	0.06	0.12
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG22	3	0.15	0.06	0.12
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG23	3	0.15	0.06	0.12
(1,2831)	1:143:A:PRO:HB2	1:144:A:GLU:H	3	0.15	0.04	0.14
(1,2831)	1:143:A:PRO:HB3	1:144:A:GLU:H	3	0.15	0.04	0.14
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG11	3	0.15	0.02	0.14
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG12	3	0.15	0.02	0.14
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG13	3	0.15	0.02	0.14
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG11	3	0.15	0.02	0.14
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG12	3	0.15	0.02	0.14
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG13	3	0.15	0.02	0.14
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB1	3	0.15	0.03	0.16
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB2	3	0.15	0.03	0.16
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB3	3	0.15	0.03	0.16
(1,1143)	1:48:A:LYS:HB2	1:49:A:VAL:H	3	0.15	0.02	0.15
(1,2801)	1:136:A:LYS:H	1:137:A:ASN:HB2	3	0.15	0.02	0.13
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD21	3	0.14	0.03	0.14
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD22	3	0.14	0.03	0.14
(1,1183)	1:49:A:VAL:HG11	1:61:A:LEU:HA	3	0.14	0.05	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1183)	1:49:A:VAL:HG12	1:61:A:LEU:HA	3	0.14	0.05	0.11
(1,1183)	1:49:A:VAL:HG13	1:61:A:LEU:HA	3	0.14	0.05	0.11
(1,1183)	1:49:A:VAL:HG21	1:61:A:LEU:HA	3	0.14	0.05	0.11
(1,1183)	1:49:A:VAL:HG22	1:61:A:LEU:HA	3	0.14	0.05	0.11
(1,1183)	1:49:A:VAL:HG23	1:61:A:LEU:HA	3	0.14	0.05	0.11
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG21	3	0.14	0.02	0.14
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG22	3	0.14	0.02	0.14
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG23	3	0.14	0.02	0.14
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG21	3	0.14	0.02	0.14
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG22	3	0.14	0.02	0.14
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG23	3	0.14	0.02	0.14
(1,2501)	1:112:A:LYS:HB2	1:113:A:GLU:HA	3	0.14	0.0	0.14
(1,2501)	1:112:A:LYS:HB3	1:113:A:GLU:HA	3	0.14	0.0	0.14
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG11	3	0.14	0.02	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG12	3	0.14	0.02	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG13	3	0.14	0.02	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG21	3	0.14	0.02	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG22	3	0.14	0.02	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG23	3	0.14	0.02	0.15
(1,2875)	1:148:A:LEU:H	1:148:A:LEU:HG	3	0.14	0.04	0.12
(1,2195)	1:96:A:LEU:HB2	1:183:A:THR:H	3	0.13	0.02	0.14
(1,3019)	1:157:A:VAL:HB	1:158:A:ARG:H	3	0.13	0.02	0.14
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG11	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG12	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG13	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG21	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG22	3	0.13	0.02	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG23	3	0.13	0.02	0.13
(1,2446)	1:107:A:ARG:HG2	1:110:A:GLU:HB3	3	0.13	0.01	0.13
(1,2446)	1:107:A:ARG:HG3	1:110:A:GLU:HB3	3	0.13	0.01	0.13
(1,2794)	1:136:A:LYS:HB2	1:137:A:ASN:H	3	0.13	0.02	0.12
(1,449)	1:15:A:VAL:HG11	1:16:A:PRO:HG2	3	0.13	0.01	0.13
(1,449)	1:15:A:VAL:HG12	1:16:A:PRO:HG2	3	0.13	0.01	0.13
(1,449)	1:15:A:VAL:HG13	1:16:A:PRO:HG2	3	0.13	0.01	0.13
(1,449)	1:15:A:VAL:HG21	1:16:A:PRO:HG2	3	0.13	0.01	0.13
(1,449)	1:15:A:VAL:HG22	1:16:A:PRO:HG2	3	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,449)	1:15:A:VAL:HG23	1:16:A:PRO:HG2	3	0.13	0.01	0.13
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD2	3	0.13	0.01	0.13
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD3	3	0.13	0.01	0.13
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD2	3	0.13	0.01	0.13
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD3	3	0.13	0.01	0.13
(1,2532)	1:113:A:GLU:HG2	1:153:A:ASN:H	3	0.13	0.02	0.11
(1,2532)	1:113:A:GLU:HG3	1:153:A:ASN:H	3	0.13	0.02	0.11
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD2	3	0.13	0.02	0.12
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD3	3	0.13	0.02	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG21	3	0.12	0.0	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG22	3	0.12	0.0	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG23	3	0.12	0.0	0.12
(1,1716)	1:77:A:ILE:HA	1:157:A:VAL:H	3	0.12	0.01	0.12
(1,2083)	1:88:A:GLU:HB2	1:89:A:THR:H	3	0.12	0.01	0.13
(1,2289)	1:98:A:TYR:HB3	1:148:A:LEU:HB2	3	0.12	0.01	0.12
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG21	3	0.12	0.02	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG22	3	0.12	0.02	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG23	3	0.12	0.02	0.11
(1,2719)	1:121:A:GLU:HB2	1:145:A:HIS:HA	3	0.12	0.0	0.12
(1,2719)	1:121:A:GLU:HB3	1:145:A:HIS:HA	3	0.12	0.0	0.12
(1,1402)	1:59:A:VAL:HG11	1:60:A:VAL:HA	3	0.12	0.01	0.12
(1,1402)	1:59:A:VAL:HG12	1:60:A:VAL:HA	3	0.12	0.01	0.12
(1,1402)	1:59:A:VAL:HG13	1:60:A:VAL:HA	3	0.12	0.01	0.12
(1,1402)	1:59:A:VAL:HG21	1:60:A:VAL:HA	3	0.12	0.01	0.12
(1,1402)	1:59:A:VAL:HG22	1:60:A:VAL:HA	3	0.12	0.01	0.12
(1,1402)	1:59:A:VAL:HG23	1:60:A:VAL:HA	3	0.12	0.01	0.12
(1,2162)	1:94:A:PRO:HA	1:107:A:ARG:H	3	0.12	0.02	0.12
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG2	3	0.12	0.01	0.12
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG3	3	0.12	0.01	0.12
(1,2419)	1:106:A:LYS:HB2	1:110:A:GLU:HB3	3	0.11	0.01	0.11
(1,1552)	1:68:A:ILE:HA	1:168:A:ASN:H	3	0.11	0.01	0.11
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD11	3	0.11	0.01	0.11
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD12	3	0.11	0.01	0.11
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD13	3	0.11	0.01	0.11
(1,397)	1:12:A:ILE:HG21	1:46:A:GLU:H	3	0.11	0.0	0.11
(1,397)	1:12:A:ILE:HG22	1:46:A:GLU:H	3	0.11	0.0	0.11
(1,397)	1:12:A:ILE:HG23	1:46:A:GLU:H	3	0.11	0.0	0.11
(1,774)	1:29:A:GLU:H	1:44:A:LYS:H	3	0.11	0.01	0.1
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE2	3	0.11	0.0	0.11
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE3	3	0.11	0.0	0.11
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE2	3	0.11	0.0	0.11
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE3	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE2	3	0.11	0.0	0.11
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE3	3	0.11	0.0	0.11
(1,1089)	1:46:A:GLU:HA	1:47:A:ILE:HA	3	0.1	0.0	0.1
(1,2934)	1:152:A:LYS:HA	1:152:A:LYS:HD2	2	0.45	0.06	0.45
(1,2934)	1:152:A:LYS:HA	1:152:A:LYS:HD3	2	0.45	0.06	0.45
(1,2212)	1:96:A:LEU:HG	1:97:A:VAL:H	2	0.42	0.04	0.42
(1,1167)	1:48:A:LYS:H	1:48:A:LYS:HE2	2	0.38	0.01	0.38
(1,1167)	1:48:A:LYS:H	1:48:A:LYS:HE3	2	0.38	0.01	0.38
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD11	2	0.36	0.2	0.36
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD12	2	0.36	0.2	0.36
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD13	2	0.36	0.2	0.36
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD21	2	0.36	0.2	0.36
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD22	2	0.36	0.2	0.36
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD23	2	0.36	0.2	0.36
(1,2753)	1:124:A:LEU:HA	1:124:A:LEU:HG	2	0.32	0.22	0.32
(1,1994)	1:83:A:ASP:HB2	1:149:A:LEU:HG	2	0.31	0.03	0.31
(1,1213)	1:50:A:TYR:HB2	1:51:A:SER:H	2	0.29	0.06	0.29
(1,1213)	1:50:A:TYR:HB3	1:51:A:SER:H	2	0.29	0.06	0.29
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG11	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG12	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG13	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG21	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG22	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG23	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG11	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG12	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG13	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG21	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG22	2	0.27	0.06	0.27
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG23	2	0.27	0.06	0.27
(1,2787)	1:134:A:ASN:HD21	1:135:A:PRO:HD2	2	0.26	0.03	0.26
(1,2787)	1:134:A:ASN:HD21	1:135:A:PRO:HD3	2	0.26	0.03	0.26
(1,2787)	1:134:A:ASN:HD22	1:135:A:PRO:HD2	2	0.26	0.03	0.26
(1,2787)	1:134:A:ASN:HD22	1:135:A:PRO:HD3	2	0.26	0.03	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD11	2	0.24	0.02	0.24
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD12	2	0.24	0.02	0.24
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD13	2	0.24	0.02	0.24
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD21	2	0.24	0.02	0.24
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD22	2	0.24	0.02	0.24
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD23	2	0.24	0.02	0.24
(1,2086)	1:88:A:GLU:HG2	1:89:A:THR:H	2	0.23	0.09	0.23
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD11	2	0.23	0.12	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD12	2	0.23	0.12	0.23
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD13	2	0.23	0.12	0.23
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD21	2	0.23	0.12	0.23
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD22	2	0.23	0.12	0.23
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD23	2	0.23	0.12	0.23
(1,2728)	1:122:A:LEU:HA	1:122:A:LEU:HG	2	0.22	0.05	0.22
(1,2810)	1:139:A:ASN:HB2	1:140:A:LEU:HB2	2	0.21	0.05	0.21
(1,2810)	1:139:A:ASN:HB2	1:140:A:LEU:HB3	2	0.21	0.05	0.21
(1,2810)	1:139:A:ASN:HB3	1:140:A:LEU:HB2	2	0.21	0.05	0.21
(1,2810)	1:139:A:ASN:HB3	1:140:A:LEU:HB3	2	0.21	0.05	0.21
(1,2097)	1:89:A:THR:HG21	1:90:A:THR:H	2	0.2	0.04	0.2
(1,2097)	1:89:A:THR:HG22	1:90:A:THR:H	2	0.2	0.04	0.2
(1,2097)	1:89:A:THR:HG23	1:90:A:THR:H	2	0.2	0.04	0.2
(1,2270)	1:97:A:VAL:HG21	1:106:A:LYS:HE2	2	0.2	0.03	0.2
(1,2270)	1:97:A:VAL:HG22	1:106:A:LYS:HE2	2	0.2	0.03	0.2
(1,2270)	1:97:A:VAL:HG23	1:106:A:LYS:HE2	2	0.2	0.03	0.2
(1,2390)	1:104:A:ILE:HD11	1:106:A:LYS:HE3	2	0.2	0.03	0.2
(1,2390)	1:104:A:ILE:HD12	1:106:A:LYS:HE3	2	0.2	0.03	0.2
(1,2390)	1:104:A:ILE:HD13	1:106:A:LYS:HE3	2	0.2	0.03	0.2
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG21	2	0.2	0.02	0.2
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG22	2	0.2	0.02	0.2
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG23	2	0.2	0.02	0.2
(1,146)	1:8:A:ILE:HD11	1:166:A:SER:HA	2	0.18	0.04	0.18
(1,146)	1:8:A:ILE:HD12	1:166:A:SER:HA	2	0.18	0.04	0.18
(1,146)	1:8:A:ILE:HD13	1:166:A:SER:HA	2	0.18	0.04	0.18
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD11	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD12	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD13	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD21	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD22	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD23	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD11	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD12	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD13	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD21	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD22	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD23	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD11	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD12	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD13	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD21	2	0.18	0.06	0.18
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD22	2	0.18	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD23	2	0.18	0.06	0.18
(1,937)	1:38:A:TYR:HB3	1:69:A:LYS:HE2	2	0.17	0.01	0.17
(1,937)	1:38:A:TYR:HB3	1:69:A:LYS:HE3	2	0.17	0.01	0.17
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG11	2	0.16	0.06	0.16
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG12	2	0.16	0.06	0.16
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG13	2	0.16	0.06	0.16
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG21	2	0.16	0.06	0.16
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG22	2	0.16	0.06	0.16
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG23	2	0.16	0.06	0.16
(1,2670)	1:119:A:VAL:HA	1:120:A:SER:HB2	2	0.16	0.05	0.16
(1,2670)	1:119:A:VAL:HA	1:120:A:SER:HB3	2	0.16	0.05	0.16
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD21	2	0.16	0.04	0.16
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD22	2	0.16	0.04	0.16
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD23	2	0.16	0.04	0.16
(1,350)	1:11:A:GLN:H	1:17:A:GLN:H	2	0.16	0.04	0.16
(1,2423)	1:106:A:LYS:HE2	1:111:A:VAL:HA	2	0.16	0.01	0.16
(1,2423)	1:106:A:LYS:HE3	1:111:A:VAL:HA	2	0.16	0.01	0.16
(1,2744)	1:122:A:LEU:HD11	1:144:A:GLU:H	2	0.16	0.02	0.16
(1,2744)	1:122:A:LEU:HD12	1:144:A:GLU:H	2	0.16	0.02	0.16
(1,2744)	1:122:A:LEU:HD13	1:144:A:GLU:H	2	0.16	0.02	0.16
(1,2744)	1:122:A:LEU:HD21	1:144:A:GLU:H	2	0.16	0.02	0.16
(1,2744)	1:122:A:LEU:HD22	1:144:A:GLU:H	2	0.16	0.02	0.16
(1,2744)	1:122:A:LEU:HD23	1:144:A:GLU:H	2	0.16	0.02	0.16
(1,761)	1:29:A:GLU:HB2	1:30:A:ASP:H	2	0.15	0.03	0.15
(1,761)	1:29:A:GLU:HB3	1:30:A:ASP:H	2	0.15	0.03	0.15
(1,484)	1:17:A:GLN:HB2	1:134:A:ASN:HD21	2	0.15	0.04	0.15
(1,484)	1:17:A:GLN:HB2	1:134:A:ASN:HD22	2	0.15	0.04	0.15
(1,484)	1:17:A:GLN:HB3	1:134:A:ASN:HD21	2	0.15	0.04	0.15
(1,484)	1:17:A:GLN:HB3	1:134:A:ASN:HD22	2	0.15	0.04	0.15
(1,753)	1:29:A:GLU:HA	1:29:A:GLU:HG2	2	0.15	0.0	0.15
(1,753)	1:29:A:GLU:HA	1:29:A:GLU:HG3	2	0.15	0.0	0.15
(1,1805)	1:78:A:ARG:HG2	1:88:A:GLU:HG2	2	0.15	0.02	0.15
(1,1987)	1:82:A:GLU:H	1:152:A:LYS:HE2	2	0.15	0.02	0.15
(1,1987)	1:82:A:GLU:H	1:152:A:LYS:HE3	2	0.15	0.02	0.15
(1,2683)	1:119:A:VAL:HG11	1:180:A:ASN:HB3	2	0.15	0.02	0.15
(1,2683)	1:119:A:VAL:HG12	1:180:A:ASN:HB3	2	0.15	0.02	0.15
(1,2683)	1:119:A:VAL:HG13	1:180:A:ASN:HB3	2	0.15	0.02	0.15
(1,2683)	1:119:A:VAL:HG21	1:180:A:ASN:HB3	2	0.15	0.02	0.15
(1,2683)	1:119:A:VAL:HG22	1:180:A:ASN:HB3	2	0.15	0.02	0.15
(1,2683)	1:119:A:VAL:HG23	1:180:A:ASN:HB3	2	0.15	0.02	0.15
(1,1560)	1:68:A:ILE:HG12	1:168:A:ASN:H	2	0.14	0.03	0.14
(1,1560)	1:68:A:ILE:HG13	1:168:A:ASN:H	2	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,107)	1:7:A:ARG:HG2	1:178:A:ASN:HA	2	0.14	0.03	0.14
(1,107)	1:7:A:ARG:HG3	1:178:A:ASN:HA	2	0.14	0.03	0.14
(1,221)	1:9:A:LEU:HD11	1:18:A:LYS:HE2	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD11	1:18:A:LYS:HE3	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD12	1:18:A:LYS:HE2	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD12	1:18:A:LYS:HE3	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD13	1:18:A:LYS:HE2	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD13	1:18:A:LYS:HE3	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD21	1:18:A:LYS:HE2	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD21	1:18:A:LYS:HE3	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD22	1:18:A:LYS:HE2	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD22	1:18:A:LYS:HE3	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD23	1:18:A:LYS:HE2	2	0.14	0.0	0.14
(1,221)	1:9:A:LEU:HD23	1:18:A:LYS:HE3	2	0.14	0.0	0.14
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG11	2	0.14	0.02	0.14
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG12	2	0.14	0.02	0.14
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG13	2	0.14	0.02	0.14
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG21	2	0.14	0.02	0.14
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG22	2	0.14	0.02	0.14
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG23	2	0.14	0.02	0.14
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD11	2	0.14	0.02	0.14
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD12	2	0.14	0.02	0.14
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD13	2	0.14	0.02	0.14
(1,2166)	1:95:A:VAL:HA	1:184:A:HIS:H	2	0.14	0.01	0.14
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD11	2	0.14	0.02	0.14
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD12	2	0.14	0.02	0.14
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD13	2	0.14	0.02	0.14
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD11	2	0.14	0.02	0.14
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD12	2	0.14	0.02	0.14
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD13	2	0.14	0.02	0.14
(1,2987)	1:155:A:LYS:HB2	1:155:A:LYS:HE2	2	0.14	0.01	0.14
(1,2987)	1:155:A:LYS:HB2	1:155:A:LYS:HE3	2	0.14	0.01	0.14
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD11	2	0.14	0.03	0.14
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD12	2	0.14	0.03	0.14
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD13	2	0.14	0.03	0.14
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD21	2	0.14	0.03	0.14
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD22	2	0.14	0.03	0.14
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD23	2	0.14	0.03	0.14
(1,149)	1:8:A:ILE:HD11	1:175:A:VAL:HB	2	0.14	0.01	0.14
(1,149)	1:8:A:ILE:HD12	1:175:A:VAL:HB	2	0.14	0.01	0.14
(1,149)	1:8:A:ILE:HD13	1:175:A:VAL:HB	2	0.14	0.01	0.14
(1,717)	1:28:A:PHE:HA	1:44:A:LYS:HG2	2	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2573)	1:116:A:LYS:HA	1:116:A:LYS:HD2	2	0.14	0.02	0.14
(1,2573)	1:116:A:LYS:HA	1:116:A:LYS:HD3	2	0.14	0.02	0.14
(1,2789)	1:134:A:ASN:H	1:135:A:PRO:HG2	2	0.14	0.04	0.14
(1,2789)	1:134:A:ASN:H	1:135:A:PRO:HG3	2	0.14	0.04	0.14
(1,3094)	1:166:A:SER:HB3	1:167:A:LEU:H	2	0.14	0.01	0.14
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD11	2	0.14	0.02	0.14
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD12	2	0.14	0.02	0.14
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD13	2	0.14	0.02	0.14
(1,932)	1:38:A:TYR:HB3	1:40:A:ARG:HE	2	0.13	0.02	0.13
(1,1378)	1:56:A:THR:H	1:58:A:LYS:HD2	2	0.13	0.03	0.13
(1,1378)	1:56:A:THR:H	1:58:A:LYS:HD3	2	0.13	0.03	0.13
(1,1556)	1:68:A:ILE:HD11	1:168:A:ASN:HA	2	0.13	0.0	0.13
(1,1556)	1:68:A:ILE:HD12	1:168:A:ASN:HA	2	0.13	0.0	0.13
(1,1556)	1:68:A:ILE:HD13	1:168:A:ASN:HA	2	0.13	0.0	0.13
(1,1971)	1:82:A:GLU:HG3	1:83:A:ASP:H	2	0.13	0.03	0.13
(1,2793)	1:136:A:LYS:HB3	1:137:A:ASN:H	2	0.13	0.0	0.13
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD11	2	0.12	0.01	0.12
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD12	2	0.12	0.01	0.12
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD13	2	0.12	0.01	0.12
(1,2509)	1:112:A:LYS:H	1:112:A:LYS:HD2	2	0.12	0.01	0.12
(1,2509)	1:112:A:LYS:H	1:112:A:LYS:HD3	2	0.12	0.01	0.12
(1,2710)	1:121:A:GLU:HA	1:121:A:GLU:HB3	2	0.12	0.01	0.12
(1,2680)	1:119:A:VAL:HG11	1:120:A:SER:H	2	0.12	0.02	0.12
(1,2680)	1:119:A:VAL:HG12	1:120:A:SER:H	2	0.12	0.02	0.12
(1,2680)	1:119:A:VAL:HG13	1:120:A:SER:H	2	0.12	0.02	0.12
(1,2680)	1:119:A:VAL:HG21	1:120:A:SER:H	2	0.12	0.02	0.12
(1,2680)	1:119:A:VAL:HG22	1:120:A:SER:H	2	0.12	0.02	0.12
(1,2680)	1:119:A:VAL:HG23	1:120:A:SER:H	2	0.12	0.02	0.12
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD11	2	0.12	0.02	0.12
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD12	2	0.12	0.02	0.12
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD13	2	0.12	0.02	0.12
(1,2377)	1:103:A:PHE:HD1	1:118:A:LEU:HB3	2	0.12	0.0	0.12
(1,2377)	1:103:A:PHE:HD2	1:118:A:LEU:HB3	2	0.12	0.0	0.12
(1,510)	1:18:A:LYS:H	1:19:A:ILE:HG12	2	0.12	0.02	0.12
(1,510)	1:18:A:LYS:H	1:19:A:ILE:HG13	2	0.12	0.02	0.12
(1,1112)	1:47:A:ILE:HG21	1:64:A:ILE:HB	2	0.12	0.02	0.12
(1,1112)	1:47:A:ILE:HG22	1:64:A:ILE:HB	2	0.12	0.02	0.12
(1,1112)	1:47:A:ILE:HG23	1:64:A:ILE:HB	2	0.12	0.02	0.12
(1,1336)	1:54:A:LEU:HD11	1:55:A:GLU:H	2	0.12	0.02	0.12
(1,1336)	1:54:A:LEU:HD12	1:55:A:GLU:H	2	0.12	0.02	0.12
(1,1336)	1:54:A:LEU:HD13	1:55:A:GLU:H	2	0.12	0.02	0.12
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG21	2	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG22	2	0.12	0.02	0.12
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG23	2	0.12	0.02	0.12
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB1	2	0.12	0.0	0.12
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB2	2	0.12	0.0	0.12
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB3	2	0.12	0.0	0.12
(1,1557)	1:68:A:ILE:HD11	1:168:A:ASN:H	2	0.12	0.0	0.12
(1,1557)	1:68:A:ILE:HD12	1:168:A:ASN:H	2	0.12	0.0	0.12
(1,1557)	1:68:A:ILE:HD13	1:168:A:ASN:H	2	0.12	0.0	0.12
(1,1810)	1:78:A:ARG:H	1:88:A:GLU:HG2	2	0.12	0.0	0.12
(1,1810)	1:78:A:ARG:H	1:88:A:GLU:HG3	2	0.12	0.0	0.12
(1,61)	1:5:A:ASP:HB2	1:20:A:THR:HB	2	0.11	0.01	0.11
(1,61)	1:5:A:ASP:HB3	1:20:A:THR:HB	2	0.11	0.01	0.11
(1,120)	1:7:A:ARG:H	1:177:A:ILE:HA	2	0.11	0.0	0.11
(1,758)	1:29:A:GLU:HA	1:44:A:LYS:HD2	2	0.11	0.0	0.11
(1,758)	1:29:A:GLU:HA	1:44:A:LYS:HD3	2	0.11	0.0	0.11
(1,1311)	1:53:A:ASP:H	1:56:A:THR:H	2	0.11	0.0	0.11
(1,1334)	1:54:A:LEU:HD11	1:57:A:GLY:H	2	0.11	0.0	0.11
(1,1334)	1:54:A:LEU:HD12	1:57:A:GLY:H	2	0.11	0.0	0.11
(1,1334)	1:54:A:LEU:HD13	1:57:A:GLY:H	2	0.11	0.0	0.11
(1,1334)	1:54:A:LEU:HD21	1:57:A:GLY:H	2	0.11	0.0	0.11
(1,1334)	1:54:A:LEU:HD22	1:57:A:GLY:H	2	0.11	0.0	0.11
(1,1334)	1:54:A:LEU:HD23	1:57:A:GLY:H	2	0.11	0.0	0.11
(1,1809)	1:78:A:ARG:H	1:88:A:GLU:HA	2	0.11	0.0	0.11
(1,2709)	1:120:A:SER:H	1:182:A:VAL:H	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG11	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG12	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG13	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG21	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG22	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG23	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG11	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG12	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG13	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG21	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG22	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG23	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG11	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG12	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG13	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG21	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG22	2	0.11	0.0	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG23	2	0.11	0.0	0.11

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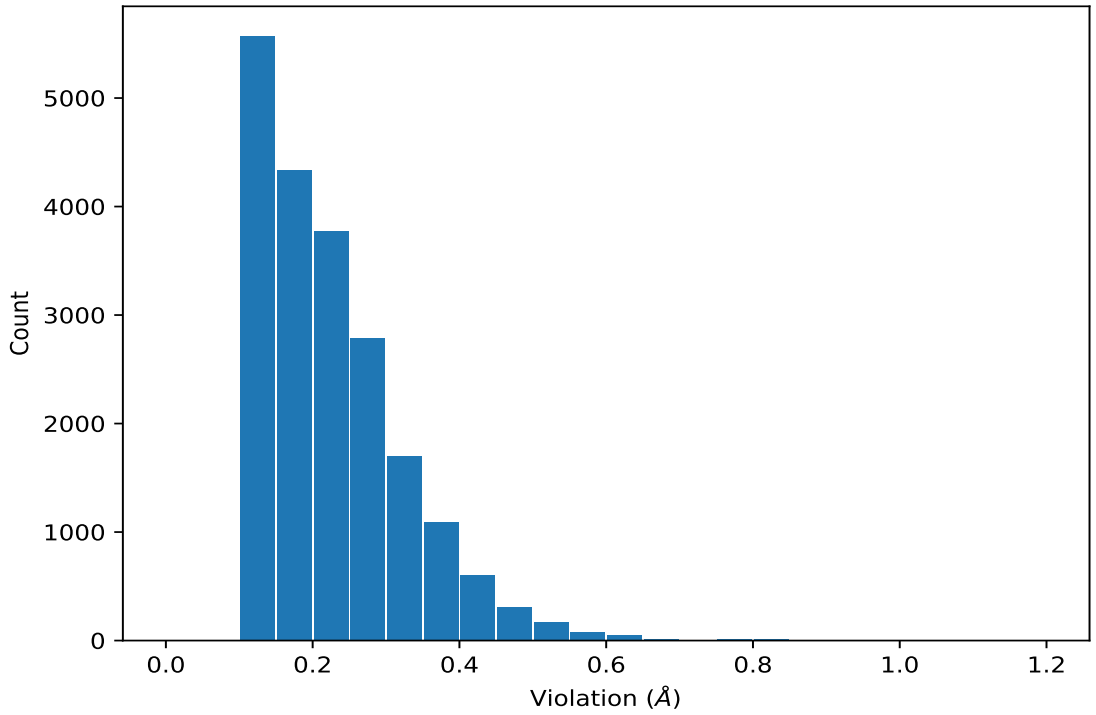
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,271)	1:10:A:VAL:HB	1:11:A:GLN:HA	2	0.1	0.0	0.1
(1,2367)	1:102:A:ARG:H	1:103:A:PHE:HA	2	0.1	0.0	0.1

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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

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)
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	1	1.18
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	3	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	3	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	3	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	3	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	3	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	6	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	6	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	6	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	6	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	6	0.81
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	6	0.81
(1,827)	1:32:A:ARG:HG2	1:39:A:VAL:HB	4	0.79
(1,827)	1:32:A:ARG:HG3	1:39:A:VAL:HB	4	0.79
(1,1662)	1:75:A:HIS:HB3	1:76:A:LEU:HA	6	0.77
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	19	0.76
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	19	0.76
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	19	0.76
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	19	0.76
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	19	0.76
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	19	0.76
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	5	0.75
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	5	0.75
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	5	0.75
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	5	0.75
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	5	0.75
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	5	0.75
(1,1662)	1:75:A:HIS:HB3	1:76:A:LEU:HA	16	0.74
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	18	0.73
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	18	0.73
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	18	0.73
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	18	0.73
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	18	0.73
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	18	0.73
(1,1662)	1:75:A:HIS:HB3	1:76:A:LEU:HA	4	0.7
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	13	0.69
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	11	0.67
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	20	0.66
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	20	0.66
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	17	0.66
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	6	0.66
(1,2717)	1:121:A:GLU:HB2	1:122:A:LEU:HA	11	0.65
(1,2717)	1:121:A:GLU:HB3	1:122:A:LEU:HA	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	17	0.65
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	17	0.65
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG2	15	0.64
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG3	15	0.64
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	2	0.64
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	3	0.64
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	9	0.63
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	9	0.63
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	5	0.63
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	5	0.63
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	5	0.63
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	5	0.63
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	5	0.63
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	5	0.63
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	11	0.63
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	5	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	5	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	5	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	5	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	5	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	5	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	17	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	17	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	17	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	17	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	17	0.62
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	17	0.62
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	1	0.62
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	4	0.62
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	8	0.62
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	8	0.62
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	8	0.62
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	2	0.62
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	2	0.62
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	2	0.62
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	2	0.62
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	2	0.62
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	2	0.62
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	17	0.62
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	17	0.62
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	17	0.62
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	17	0.62
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	17	0.62
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	4	0.62
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	7	0.61
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	5	0.61
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	6	0.61
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	18	0.61
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	18	0.61
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	18	0.61
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	3	0.61
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	12	0.6
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	4	0.6
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	4	0.6
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	10	0.6
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	18	0.59
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	18	0.59
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	18	0.59
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	18	0.59
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	18	0.59
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	18	0.59
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	1	0.59
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	1	0.59
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	1	0.59
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	1	0.59
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	1	0.59
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	1	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	1	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	1	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	1	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	1	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	1	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	4	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	4	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	4	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	4	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	4	0.58
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	4	0.58
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	4	0.58
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	4	0.58
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	16	0.58
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	16	0.58
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	7	0.57
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	19	0.57
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	7	0.57
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	18	0.57
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	17	0.57
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	17	0.57
(1,158)	1:8:A:ILE:HG12	1:9:A:LEU:H	14	0.57
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	7	0.57
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	8	0.57
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	14	0.57
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	18	0.56
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	14	0.56
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	15	0.56
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	17	0.56
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	15	0.56
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	15	0.56
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	15	0.56
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	14	0.56
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	14	0.56
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD11	6	0.56
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD12	6	0.56
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD13	6	0.56
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD21	6	0.56
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD22	6	0.56
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD23	6	0.56
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	2	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	2	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	2	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	2	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	2	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	2	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	20	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	20	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	20	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	20	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	20	0.55
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	20	0.55
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	14	0.55
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	6	0.55
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	2	0.55
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	2	0.55
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	19	0.55
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	8	0.55
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	8	0.55
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	8	0.55
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	8	0.55
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	8	0.55
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	4	0.55
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	4	0.55
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	17	0.55
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	17	0.55
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	15	0.55
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	18	0.54
(1,2753)	1:124:A:LEU:HA	1:124:A:LEU:HG	18	0.54
(1,2713)	1:121:A:GLU:HA	1:121:A:GLU:HG2	8	0.54
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	2	0.54
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	2	0.54
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	4	0.54
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	4	0.54
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	19	0.54
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	19	0.54
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	2	0.54
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	2	0.54
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG2	13	0.54
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG3	13	0.54
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	1	0.54
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	1	0.54
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	1	0.54
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	1	0.54
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	1	0.54
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	1	0.54
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	5	0.54
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	5	0.54
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	3	0.54
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	3	0.54
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	3	0.54
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	1	0.54
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	1	0.54
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	1	0.54
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	1	0.54
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	1	0.54
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	1	0.54
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	2	0.53
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	7	0.53
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	20	0.53
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	7	0.53
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	7	0.53
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	11	0.53
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	11	0.53
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG2	11	0.53
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG3	11	0.53
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG2	18	0.53
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG3	18	0.53
(1,1003)	1:41:A:LYS:HA	1:66:A:ASP:HB2	8	0.53
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	1	0.53
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	1	0.53
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	14	0.53
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	14	0.53
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	10	0.53
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	8	0.52
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	8	0.52
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	8	0.52
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	8	0.52
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	8	0.52
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	8	0.52
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	14	0.52
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	14	0.52
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	14	0.52
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	2	0.52
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	2	0.52
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	17	0.52
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	17	0.52
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	17	0.52
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	17	0.52
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	17	0.52
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	17	0.52
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	7	0.52
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	7	0.52
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	7	0.52
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	7	0.52
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	7	0.52
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	7	0.52
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	3	0.52
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	8	0.52
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	8	0.52
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	11	0.51
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	9	0.51
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	9	0.51
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	9	0.51
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	9	0.51
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	9	0.51
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	9	0.51
(1,2934)	1:152:A:LYS:HA	1:152:A:LYS:HD2	18	0.51
(1,2934)	1:152:A:LYS:HA	1:152:A:LYS:HD3	18	0.51
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	18	0.51
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	5	0.51
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	2	0.51
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	2	0.51
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	2	0.51
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	2	0.51
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	2	0.51
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	2	0.51
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	3	0.51
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	3	0.51
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	5	0.51
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	14	0.51
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	14	0.51
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	17	0.51
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	17	0.51
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	17	0.51
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	18	0.5
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	2	0.5
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	2	0.5
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	2	0.5
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	13	0.5
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	13	0.5
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	13	0.5
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	13	0.5
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	13	0.5
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	13	0.5
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	20	0.5
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	20	0.5
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	2	0.5
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	5	0.5
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	1	0.5
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	1	0.5
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	1	0.5
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	1	0.5
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	1	0.5
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	1	0.5
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	6	0.5
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	6	0.5
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	6	0.5
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	6	0.5
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	6	0.5
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	6	0.5
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	20	0.5
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	20	0.5
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	20	0.5
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	20	0.5
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	20	0.5
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	20	0.5
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	1	0.5
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	1	0.5
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	1	0.5
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	1	0.5
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	1	0.5
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	1	0.5
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	1	0.5
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	1	0.5
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	9	0.5
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	12	0.5
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	19	0.5
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	19	0.5
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	19	0.5
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	10	0.5
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	10	0.5
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	10	0.5
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	8	0.5
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	8	0.5
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	8	0.5
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	13	0.5
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	13	0.5
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	13	0.5
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	18	0.5
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	18	0.5
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	12	0.5
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	12	0.5
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	12	0.5
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	16	0.5
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	16	0.5
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	16	0.5
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	16	0.5
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	16	0.5
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	16	0.5
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	16	0.5
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	16	0.5
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	16	0.5
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	16	0.5
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	16	0.5
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	16	0.5
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	19	0.49
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	11	0.49
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	11	0.49
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	11	0.49
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	11	0.49
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	11	0.49
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	11	0.49
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	6	0.49
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	19	0.49
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	1	0.49
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	1	0.49
(1,2780)	1:133:A:ASP:HA	1:134:A:ASN:H	7	0.49
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD11	9	0.49
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD12	9	0.49
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD13	9	0.49
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	3	0.49
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	3	0.49
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	3	0.49
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	3	0.49
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	3	0.49
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	3	0.49
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	12	0.49
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	12	0.49
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	3	0.49
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	3	0.49
(1,1680)	1:76:A:LEU:HA	1:91:A:VAL:HB	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	10	0.49
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	10	0.49
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	10	0.49
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	12	0.49
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	12	0.49
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	12	0.49
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	20	0.49
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	20	0.49
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	20	0.49
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	13	0.49
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	14	0.49
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	14	0.49
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	14	0.49
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	14	0.49
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	14	0.49
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	14	0.49
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	16	0.48
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	20	0.48
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	3	0.48
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	3	0.48
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD11	12	0.48
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD12	12	0.48
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD13	12	0.48
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD21	12	0.48
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD22	12	0.48
(1,3097)	1:166:A:SER:H	1:167:A:LEU:HD23	12	0.48
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	5	0.48
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	5	0.48
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	18	0.48
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	18	0.48
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	18	0.48
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB2	13	0.48
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB3	13	0.48
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB2	13	0.48
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB3	13	0.48
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB2	13	0.48
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB3	13	0.48
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB2	13	0.48
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB3	13	0.48
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB2	13	0.48
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB3	13	0.48
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB2	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB3	13	0.48
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	16	0.48
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	16	0.48
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	16	0.48
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	3	0.48
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	3	0.48
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	3	0.48
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	3	0.48
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	3	0.48
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	3	0.48
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	3	0.48
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	16	0.48
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	19	0.48
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	18	0.48
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	18	0.48
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	18	0.48
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	18	0.48
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	18	0.48
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	18	0.48
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	18	0.48
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	18	0.48
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	18	0.48
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	18	0.48
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	18	0.48
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	18	0.48
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	1	0.47
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	4	0.47
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	20	0.47
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	12	0.47
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	15	0.47
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	17	0.47
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	3	0.47
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	3	0.47
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	3	0.47
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	19	0.47
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	19	0.47
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	19	0.47
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	19	0.47
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	19	0.47
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	19	0.47
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	19	0.47
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	4	0.47
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	4	0.47
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	4	0.47
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	4	0.47
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	4	0.47
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	11	0.47
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	11	0.47
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	11	0.47
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	11	0.47
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	11	0.47
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	11	0.47
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	8	0.47
(1,1569)	1:68:A:ILE:H	1:167:A:LEU:HD11	14	0.47
(1,1569)	1:68:A:ILE:H	1:167:A:LEU:HD12	14	0.47
(1,1569)	1:68:A:ILE:H	1:167:A:LEU:HD13	14	0.47
(1,1569)	1:68:A:ILE:H	1:167:A:LEU:HD21	14	0.47
(1,1569)	1:68:A:ILE:H	1:167:A:LEU:HD22	14	0.47
(1,1569)	1:68:A:ILE:H	1:167:A:LEU:HD23	14	0.47
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	7	0.47
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	7	0.47
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	7	0.47
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	12	0.47
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	12	0.47
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	12	0.47
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	4	0.47
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	4	0.47
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	4	0.47
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	4	0.47
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	4	0.47
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	4	0.47
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	11	0.47
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	11	0.47
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	7	0.47
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	17	0.47
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	18	0.47
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	3	0.47
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	3	0.47
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	5	0.47
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	5	0.47
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	5	0.47
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	14	0.46
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	11	0.46
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	13	0.46
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	13	0.46
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	7	0.46
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	16	0.46
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	7	0.46
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	7	0.46
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	12	0.46
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	12	0.46
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	17	0.46
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	17	0.46
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	7	0.46
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	7	0.46
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	7	0.46
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	8	0.46
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	8	0.46
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	8	0.46
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	8	0.46
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	8	0.46
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	8	0.46
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	17	0.46
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	17	0.46
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	17	0.46
(1,2212)	1:96:A:LEU:HG	1:97:A:VAL:H	10	0.46
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	13	0.46
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	17	0.46
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	14	0.46
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	14	0.46
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	14	0.46
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	15	0.46
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	15	0.46
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	15	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	7	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	7	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	7	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	13	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	13	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	13	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	16	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	16	0.46
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	16	0.46
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	13	0.46
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	13	0.46
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	13	0.46
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	13	0.46
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	13	0.46
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	8	0.46
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	8	0.46
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	10	0.46
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	10	0.46
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	2	0.46
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	4	0.46
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	8	0.46
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	17	0.46
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	10	0.46
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	10	0.46
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	8	0.46
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	8	0.46
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	4	0.45
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	16	0.45
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	4	0.45
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	4	0.45
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	13	0.45
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	14	0.45
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	6	0.45
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	6	0.45
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	9	0.45
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	9	0.45
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	10	0.45
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	10	0.45
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	5	0.45
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	5	0.45
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	5	0.45
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	9	0.45
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	9	0.45
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	9	0.45
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	9	0.45
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	9	0.45
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	9	0.45
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	19	0.45
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	19	0.45
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	19	0.45
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	19	0.45
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	19	0.45
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	14	0.45
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB2	5	0.45
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB3	5	0.45
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB2	5	0.45
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB3	5	0.45
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB2	5	0.45
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB3	5	0.45
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB2	5	0.45
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB3	5	0.45
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB2	5	0.45
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB3	5	0.45
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB2	5	0.45
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB3	5	0.45
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB2	12	0.45
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB3	12	0.45
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB2	12	0.45
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB3	12	0.45
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB2	12	0.45
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB3	12	0.45
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB2	12	0.45
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB3	12	0.45
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB2	12	0.45
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB3	12	0.45
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB2	12	0.45
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB3	12	0.45
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	14	0.45
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	15	0.45
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	15	0.45
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	9	0.45
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	9	0.45
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	9	0.45
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	1	0.45
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	1	0.45
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	1	0.45
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	4	0.45
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	4	0.45
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	4	0.45
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	6	0.45
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	6	0.45
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	20	0.45
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	20	0.45
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	20	0.45
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	6	0.45
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	16	0.45
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	20	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	5	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	5	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	5	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	5	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	5	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	5	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	18	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	18	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	18	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	18	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	18	0.45
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	18	0.45
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	9	0.45
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	10	0.45
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	11	0.45
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	12	0.45
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	2	0.45
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	2	0.45
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	2	0.45
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	11	0.45
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	11	0.45
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	11	0.45
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	13	0.45
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	13	0.45
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	1	0.45
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	1	0.45
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	4	0.45
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	4	0.45
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	9	0.44
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	14	0.44
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	14	0.44
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	18	0.44
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	13	0.44
(1,2790)	1:135:A:PRO:HA	1:136:A:LYS:H	10	0.44
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	8	0.44
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	11	0.44
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	11	0.44
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	15	0.44
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	15	0.44
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	3	0.44
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	3	0.44
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	3	0.44
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	3	0.44
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	3	0.44
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	3	0.44
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	1	0.44
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	6	0.44
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	5	0.44
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	5	0.44
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	5	0.44
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	13	0.44
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	6	0.44
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	6	0.44
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	6	0.44
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	6	0.44
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	6	0.44
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	6	0.44
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	7	0.44
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	12	0.44
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	12	0.44
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	4	0.44
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	4	0.44
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	13	0.44
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	13	0.44
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	17	0.44
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	17	0.44
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	11	0.44
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	11	0.44
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	11	0.44
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	13	0.44
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	13	0.44
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	13	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	6	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	6	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	6	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	11	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	11	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	14	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	14	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	14	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	18	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	18	0.44
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	18	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	4	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	9	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	11	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	12	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	13	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	14	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	15	0.44
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	19	0.44
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	12	0.44
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	12	0.44
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	12	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	7	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	7	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	7	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	7	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	7	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	7	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	12	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	12	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	12	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	12	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	12	0.44
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	12	0.44
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	5	0.44
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	5	0.44
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	10	0.44
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	6	0.44
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	13	0.44
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	13	0.44
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	6	0.44
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	14	0.44
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	14	0.44
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	14	0.44
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	15	0.43
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	17	0.43
(1,2790)	1:135:A:PRO:HA	1:136:A:LYS:H	14	0.43
(1,2790)	1:135:A:PRO:HA	1:136:A:LYS:H	20	0.43
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	2	0.43
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	2	0.43
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	18	0.43
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	18	0.43
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	14	0.43
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	13	0.43
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	13	0.43
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	13	0.43
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	20	0.43
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	11	0.43
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	11	0.43
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	11	0.43
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD11	9	0.43
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD12	9	0.43
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD13	9	0.43
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	9	0.43
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	9	0.43
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	9	0.43
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	9	0.43
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	9	0.43
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	9	0.43
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	3	0.43
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	3	0.43
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	3	0.43
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	3	0.43
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	10	0.43
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	10	0.43
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	10	0.43
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	9	0.43
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	6	0.43
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	6	0.43
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	14	0.43
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	16	0.43
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	6	0.43
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	6	0.43
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	14	0.43
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	14	0.43
(1,1722)	1:77:A:ILE:HD11	1:91:A:VAL:HB	20	0.43
(1,1722)	1:77:A:ILE:HD12	1:91:A:VAL:HB	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:77:A:ILE:HD13	1:91:A:VAL:HB	20	0.43
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	3	0.43
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	2	0.43
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	2	0.43
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	2	0.43
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	9	0.43
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	9	0.43
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	9	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	3	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	3	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	3	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	9	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	9	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	9	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	15	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	15	0.43
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	15	0.43
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	1	0.43
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	10	0.43
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	18	0.43
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	1	0.43
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	12	0.43
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	14	0.43
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	15	0.43
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	10	0.43
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	10	0.43
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	8	0.43
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	19	0.43
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	19	0.43
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	7	0.43
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	7	0.43
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	7	0.43
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	12	0.43
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	12	0.43
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	12	0.43
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	7	0.43
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	7	0.43
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	14	0.43
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	14	0.43
(1,3249)	1:182:A:VAL:HG11	1:183:A:THR:HB	12	0.42
(1,3249)	1:182:A:VAL:HG12	1:183:A:THR:HB	12	0.42
(1,3249)	1:182:A:VAL:HG13	1:183:A:THR:HB	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3249)	1:182:A:VAL:HG21	1:183:A:THR:HB	12	0.42
(1,3249)	1:182:A:VAL:HG22	1:183:A:THR:HB	12	0.42
(1,3249)	1:182:A:VAL:HG23	1:183:A:THR:HB	12	0.42
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	6	0.42
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	8	0.42
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	17	0.42
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	17	0.42
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	5	0.42
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	16	0.42
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	16	0.42
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG11	16	0.42
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG12	16	0.42
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG13	16	0.42
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG21	16	0.42
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG22	16	0.42
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG23	16	0.42
(1,2768)	1:124:A:LEU:H	1:125:A:VAL:H	7	0.42
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	20	0.42
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	20	0.42
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	20	0.42
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	20	0.42
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	20	0.42
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	20	0.42
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	4	0.42
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	4	0.42
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	4	0.42
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	14	0.42
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	14	0.42
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	14	0.42
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	8	0.42
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	4	0.42
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	4	0.42
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	4	0.42
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	9	0.42
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	9	0.42
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	9	0.42
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	9	0.42
(1,2527)	1:113:A:GLU:HG2	1:114:A:GLY:HA3	2	0.42
(1,2527)	1:113:A:GLU:HG3	1:114:A:GLY:HA3	2	0.42
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	19	0.42
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	19	0.42
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD11	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD12	13	0.42
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD13	13	0.42
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	1	0.42
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	1	0.42
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	1	0.42
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	8	0.42
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	8	0.42
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	8	0.42
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	10	0.42
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	12	0.42
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	16	0.42
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	20	0.42
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB2	18	0.42
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB3	18	0.42
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB2	18	0.42
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB3	18	0.42
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB2	18	0.42
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB3	18	0.42
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB2	18	0.42
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB3	18	0.42
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB2	18	0.42
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB3	18	0.42
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB2	18	0.42
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB3	18	0.42
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	4	0.42
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	4	0.42
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	5	0.42
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	5	0.42
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	5	0.42
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	11	0.42
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	11	0.42
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	12	0.42
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	12	0.42
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	5	0.42
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	5	0.42
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	5	0.42
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	7	0.42
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	7	0.42
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	7	0.42
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	7	0.42
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	7	0.42
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	14	0.42
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	14	0.42
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	14	0.42
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	14	0.42
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	14	0.42
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	14	0.42
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG2	5	0.42
(1,1397)	1:58:A:LYS:H	1:58:A:LYS:HG3	5	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	1	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	1	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	1	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	4	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	4	0.42
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	4	0.42
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	8	0.42
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	8	0.42
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	8	0.42
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	8	0.42
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	8	0.42
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	8	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	3	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	3	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	3	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	3	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	3	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	3	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	6	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	6	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	6	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	6	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	6	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	6	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	15	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	15	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	15	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	15	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	15	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	15	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	16	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	16	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	16	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	16	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	16	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	19	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	19	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	19	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	19	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	19	0.42
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	19	0.42
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	20	0.42
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	1	0.42
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	1	0.42
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	2	0.42
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	4	0.42
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	10	0.42
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	15	0.42
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	20	0.42
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	7	0.42
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	7	0.42
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	7	0.42
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	16	0.42
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	16	0.42
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	16	0.42
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	1	0.42
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	1	0.42
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	7	0.42
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	7	0.42
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	13	0.41
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	15	0.41
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	4	0.41
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	9	0.41
(1,2780)	1:133:A:ASP:HA	1:134:A:ASN:H	10	0.41
(1,2780)	1:133:A:ASP:HA	1:134:A:ASN:H	15	0.41
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	2	0.41
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	2	0.41
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	2	0.41
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	2	0.41
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	2	0.41
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	2	0.41
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	5	0.41
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	13	0.41
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	13	0.41
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	5	0.41
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	5	0.41
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	8	0.41
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	8	0.41
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	8	0.41
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	17	0.41
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	17	0.41
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	17	0.41
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	7	0.41
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	7	0.41
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	8	0.41
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	6	0.41
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	6	0.41
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	6	0.41
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	12	0.41
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	12	0.41
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	12	0.41
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	2	0.41
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	2	0.41
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	2	0.41
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	2	0.41
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	2	0.41
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	2	0.41
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	10	0.41
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	10	0.41
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	10	0.41
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	8	0.41
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	8	0.41
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	1	0.41
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	6	0.41
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	13	0.41
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	4	0.41
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	4	0.41
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	8	0.41
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	8	0.41
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	3	0.41
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	3	0.41
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	3	0.41
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	3	0.41
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	3	0.41
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	3	0.41
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	19	0.41
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	19	0.41
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	19	0.41
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	19	0.41
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	19	0.41
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	19	0.41
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	19	0.41
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	19	0.41
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	19	0.41
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	19	0.41
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	19	0.41
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	19	0.41
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	3	0.41
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	3	0.41
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	3	0.41
(1,1483)	1:64:A:ILE:HD11	1:66:A:ASP:H	17	0.41
(1,1483)	1:64:A:ILE:HD12	1:66:A:ASP:H	17	0.41
(1,1483)	1:64:A:ILE:HD13	1:66:A:ASP:H	17	0.41
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	16	0.41
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	16	0.41
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	16	0.41
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	16	0.41
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	16	0.41
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	16	0.41
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	19	0.41
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	19	0.41
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	19	0.41
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	19	0.41
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	19	0.41
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	19	0.41
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	8	0.41
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	8	0.41
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	8	0.41
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	19	0.41
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	19	0.41
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	19	0.41
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	3	0.41
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	7	0.41
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	9	0.41
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	9	0.41
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	9	0.41
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	9	0.41
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	9	0.41
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	9	0.41
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	9	0.41
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	9	0.41
(1,706)	1:27:A:LEU:H	1:27:A:LEU:HG	5	0.41
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	20	0.41
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	14	0.41
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	14	0.41
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	14	0.41
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	19	0.41
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	19	0.41
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	19	0.41
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	19	0.41
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	19	0.41
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	19	0.41
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	19	0.41
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	19	0.41
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	19	0.41
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	19	0.41
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	19	0.41
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	19	0.41
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	12	0.4
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	3	0.4
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	7	0.4
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	11	0.4
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	14	0.4
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	17	0.4
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	1	0.4
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	16	0.4
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	16	0.4
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD2	19	0.4
(1,2785)	1:134:A:ASN:HA	1:135:A:PRO:HD3	19	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	15	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	15	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	15	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	15	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	15	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	15	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	17	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	17	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	17	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	17	0.4
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	17	0.4
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	18	0.4
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	18	0.4
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	18	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	2	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	2	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	2	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	10	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	10	0.4
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	10	0.4
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD11	9	0.4
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD12	9	0.4
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD13	9	0.4
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD21	9	0.4
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD22	9	0.4
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD23	9	0.4
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	2	0.4
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	15	0.4
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	15	0.4
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	15	0.4
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	15	0.4
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	15	0.4
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	15	0.4
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	1	0.4
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	1	0.4
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	1	0.4
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	5	0.4
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	5	0.4
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	15	0.4
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	15	0.4
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	15	0.4
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	15	0.4
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	15	0.4
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	15	0.4
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD11	18	0.4
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD12	18	0.4
(1,2388)	1:104:A:ILE:HB	1:104:A:ILE:HD13	18	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	2	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	2	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	3	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	3	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	3	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	4	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	4	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	4	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	7	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	7	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	7	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	11	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	11	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	11	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	12	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	12	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	12	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	14	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	14	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	14	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	17	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	17	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	17	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	19	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	19	0.4
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	19	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	1	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	2	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	3	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	4	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	6	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	13	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	15	0.4
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	17	0.4
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	1	0.4
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	1	0.4
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	1	0.4
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	12	0.4
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	7	0.4
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	7	0.4
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	9	0.4
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	9	0.4
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	1	0.4
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	11	0.4
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	3	0.4
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	3	0.4
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	3	0.4
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	3	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	2	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	2	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	2	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	2	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	2	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	2	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	11	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	11	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	11	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	11	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	11	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	11	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	17	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	17	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	17	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	17	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	17	0.4
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	17	0.4
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	7	0.4
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	7	0.4
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	7	0.4
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	7	0.4
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	1	0.4
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	1	0.4
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	5	0.4
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	5	0.4
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	6	0.4
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	7	0.4
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	4	0.4
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	4	0.4
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	4	0.4
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	7	0.4
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	7	0.4
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	7	0.4
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	17	0.4
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	17	0.4
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	19	0.4
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	19	0.4
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	19	0.4
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	3	0.4
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	3	0.4
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	2	0.39
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	7	0.39
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	14	0.39
(1,2934)	1:152:A:LYS:HA	1:152:A:LYS:HD2	3	0.39
(1,2934)	1:152:A:LYS:HA	1:152:A:LYS:HD3	3	0.39
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	17	0.39
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	17	0.39
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	18	0.39
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	18	0.39
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	15	0.39
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	2	0.39
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	6	0.39
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	7	0.39
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	7	0.39
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	6	0.39
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	6	0.39
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	6	0.39
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	6	0.39
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	6	0.39
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	6	0.39
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	16	0.39
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	16	0.39
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	16	0.39
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	19	0.39
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	12	0.39
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	12	0.39
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	12	0.39
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	10	0.39
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	13	0.39
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	13	0.39
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	13	0.39
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	19	0.39
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	19	0.39
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	19	0.39
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	4	0.39
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	4	0.39
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	8	0.39
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	18	0.39
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	18	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	5	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	5	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	5	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	6	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	6	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	6	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	15	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	15	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	15	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	16	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	16	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	16	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD11	20	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD12	20	0.39
(1,2383)	1:104:A:ILE:HA	1:104:A:ILE:HD13	20	0.39
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	9	0.39
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	9	0.39
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	3	0.39
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	3	0.39
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	3	0.39
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	3	0.39
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	3	0.39
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	3	0.39
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	9	0.39
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	11	0.39
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB2	4	0.39
(1,2209)	1:96:A:LEU:HD11	1:184:A:HIS:HB3	4	0.39
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB2	4	0.39
(1,2209)	1:96:A:LEU:HD12	1:184:A:HIS:HB3	4	0.39
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB2	4	0.39
(1,2209)	1:96:A:LEU:HD13	1:184:A:HIS:HB3	4	0.39
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB2	4	0.39
(1,2209)	1:96:A:LEU:HD21	1:184:A:HIS:HB3	4	0.39
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB2	4	0.39
(1,2209)	1:96:A:LEU:HD22	1:184:A:HIS:HB3	4	0.39
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB2	4	0.39
(1,2209)	1:96:A:LEU:HD23	1:184:A:HIS:HB3	4	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	5	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	5	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	9	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	9	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	9	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	13	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	13	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	13	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	17	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	17	0.39
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	17	0.39
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	9	0.39
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	9	0.39
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	18	0.39
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	18	0.39
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	18	0.39
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	15	0.39
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	15	0.39
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	20	0.39
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	20	0.39
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	5	0.39
(1,1532)	1:67:A:VAL:HG11	1:68:A:ILE:HB	16	0.39
(1,1532)	1:67:A:VAL:HG12	1:68:A:ILE:HB	16	0.39
(1,1532)	1:67:A:VAL:HG13	1:68:A:ILE:HB	16	0.39
(1,1532)	1:67:A:VAL:HG21	1:68:A:ILE:HB	16	0.39
(1,1532)	1:67:A:VAL:HG22	1:68:A:ILE:HB	16	0.39
(1,1532)	1:67:A:VAL:HG23	1:68:A:ILE:HB	16	0.39
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	10	0.39
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	18	0.39
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	18	0.39
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	4	0.39
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	5	0.39
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	11	0.39
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	11	0.39
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	11	0.39
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	11	0.39
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	11	0.39
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	11	0.39
(1,1167)	1:48:A:LYS:H	1:48:A:LYS:HE2	8	0.39
(1,1167)	1:48:A:LYS:H	1:48:A:LYS:HE3	8	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	14	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	14	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	14	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	14	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	14	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	20	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	20	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	20	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	20	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	20	0.39
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	20	0.39
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	12	0.39
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	12	0.39
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	1	0.39
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	15	0.39
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	8	0.39
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	8	0.39
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	9	0.39
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	11	0.39
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	13	0.39
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	10	0.39
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	6	0.39
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	6	0.39
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	5	0.39
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	5	0.39
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	5	0.39
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	16	0.39
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	16	0.39
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	16	0.39
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	3	0.39
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	3	0.39
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	3	0.39
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	6	0.39
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	6	0.39
(1,3236)	1:181:A:ILE:HG21	1:183:A:THR:HB	12	0.38
(1,3236)	1:181:A:ILE:HG22	1:183:A:THR:HB	12	0.38
(1,3236)	1:181:A:ILE:HG23	1:183:A:THR:HB	12	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	13	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	13	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	13	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	18	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	18	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	18	0.38
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	17	0.38
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	8	0.38
(1,2733)	1:122:A:LEU:HA	1:145:A:HIS:HB2	11	0.38
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	2	0.38
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	18	0.38
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	18	0.38
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	18	0.38
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	20	0.38
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	20	0.38
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	20	0.38
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	14	0.38
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	14	0.38
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	14	0.38
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	14	0.38
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	12	0.38
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	12	0.38
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	12	0.38
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	12	0.38
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	12	0.38
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	12	0.38
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	5	0.38
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	19	0.38
(1,2212)	1:96:A:LEU:HG	1:97:A:VAL:H	2	0.38
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	6	0.38
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	6	0.38
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	6	0.38
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	4	0.38
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	4	0.38
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	4	0.38
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	6	0.38
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	5	0.38
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	4	0.38
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	1	0.38
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	1	0.38
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	16	0.38
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	16	0.38
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	18	0.38
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	18	0.38
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	13	0.38
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	13	0.38
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	13	0.38
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:75:A:HIS:HA	1:159:A:ALA:H	2	0.38
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	18	0.38
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	18	0.38
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	18	0.38
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	18	0.38
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	18	0.38
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	18	0.38
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	18	0.38
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	18	0.38
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	18	0.38
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	18	0.38
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	18	0.38
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	18	0.38
(1,1532)	1:67:A:VAL:HG11	1:68:A:ILE:HB	7	0.38
(1,1532)	1:67:A:VAL:HG12	1:68:A:ILE:HB	7	0.38
(1,1532)	1:67:A:VAL:HG13	1:68:A:ILE:HB	7	0.38
(1,1532)	1:67:A:VAL:HG21	1:68:A:ILE:HB	7	0.38
(1,1532)	1:67:A:VAL:HG22	1:68:A:ILE:HB	7	0.38
(1,1532)	1:67:A:VAL:HG23	1:68:A:ILE:HB	7	0.38
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	1	0.38
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	1	0.38
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	1	0.38
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	1	0.38
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	1	0.38
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	1	0.38
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	11	0.38
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	11	0.38
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	11	0.38
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	11	0.38
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	11	0.38
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	11	0.38
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	15	0.38
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	9	0.38
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	12	0.38
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	16	0.38
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	13	0.38
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	16	0.38
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG21	2	0.38
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG22	2	0.38
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG23	2	0.38
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	8	0.38
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	10	0.38
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	10	0.38
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	10	0.38
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	10	0.38
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	10	0.38
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	15	0.38
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	15	0.38
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	15	0.38
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	15	0.38
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	15	0.38
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	15	0.38
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	5	0.38
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	5	0.38
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	5	0.38
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	5	0.38
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	5	0.38
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	5	0.38
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD11	5	0.38
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD12	5	0.38
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD13	5	0.38
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	12	0.38
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	12	0.38
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	12	0.38
(1,829)	1:32:A:ARG:HG2	1:39:A:VAL:HB	4	0.38
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	4	0.38
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	4	0.38
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	2	0.38
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	2	0.38
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	3	0.38
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	3	0.38
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	6	0.38
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	6	0.38
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	14	0.38
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	16	0.38
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	18	0.38
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	17	0.38
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	16	0.38
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	18	0.38
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	12	0.38
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	12	0.38
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	12	0.38
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	11	0.38
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	10	0.38
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	10	0.38
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	10	0.38
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	19	0.38
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	19	0.38
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	19	0.38
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	4	0.38
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	4	0.38
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	4	0.38
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	15	0.38
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	15	0.38
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	15	0.38
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	15	0.38
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	15	0.38
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	15	0.38
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	15	0.38
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	15	0.38
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	15	0.38
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	15	0.38
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	15	0.38
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	15	0.38
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	20	0.38
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	2	0.37
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	2	0.37
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	2	0.37
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	5	0.37
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	5	0.37
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	5	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	1	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	1	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	1	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	3	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	3	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	3	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	14	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	14	0.37
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	14	0.37
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	5	0.37
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	5	0.37
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	10	0.37
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	20	0.37
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	13	0.37
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	13	0.37
(1,2809)	1:139:A:ASN:HA	1:140:A:LEU:H	15	0.37
(1,2790)	1:135:A:PRO:HA	1:136:A:LYS:H	18	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	3	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	3	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	3	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	5	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	5	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	5	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	8	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	8	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	8	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	13	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	13	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	13	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	16	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	16	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	16	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	17	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	17	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	17	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	20	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	20	0.37
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	20	0.37
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	16	0.37
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	16	0.37
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	16	0.37
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	11	0.37
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	11	0.37
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	11	0.37
(1,2745)	1:122:A:LEU:HG	1:123:A:GLU:H	15	0.37
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB2	11	0.37
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB3	11	0.37
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	4	0.37
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	8	0.37
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	8	0.37
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	8	0.37
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	16	0.37
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	16	0.37
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	18	0.37
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	18	0.37
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	7	0.37
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	7	0.37
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	7	0.37
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	7	0.37
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	7	0.37
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	7	0.37
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	16	0.37
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	16	0.37
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	16	0.37
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	16	0.37
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	16	0.37
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	16	0.37
(1,2235)	1:97:A:VAL:HB	1:98:A:TYR:H	18	0.37
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	8	0.37
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	8	0.37
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	8	0.37
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	1	0.37
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	1	0.37
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	18	0.37
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	18	0.37
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	2	0.37
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	19	0.37
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	2	0.37
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	2	0.37
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	15	0.37
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	15	0.37
(1,1532)	1:67:A:VAL:HG11	1:68:A:ILE:HB	5	0.37
(1,1532)	1:67:A:VAL:HG12	1:68:A:ILE:HB	5	0.37
(1,1532)	1:67:A:VAL:HG13	1:68:A:ILE:HB	5	0.37
(1,1532)	1:67:A:VAL:HG21	1:68:A:ILE:HB	5	0.37
(1,1532)	1:67:A:VAL:HG22	1:68:A:ILE:HB	5	0.37
(1,1532)	1:67:A:VAL:HG23	1:68:A:ILE:HB	5	0.37
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	5	0.37
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	5	0.37
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	5	0.37
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	5	0.37
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	5	0.37
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	5	0.37
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	13	0.37
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	13	0.37
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	13	0.37
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	13	0.37
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	13	0.37
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	1	0.37
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	5	0.37
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	12	0.37
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	13	0.37
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	19	0.37
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	19	0.37
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	19	0.37
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	19	0.37
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	4	0.37
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	8	0.37
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	17	0.37
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	18	0.37
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	11	0.37
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	15	0.37
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	7	0.37
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	9	0.37
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	10	0.37
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	2	0.37
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	4	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	4	0.37
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	4	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	4	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	4	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	4	0.37
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	6	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	6	0.37
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	6	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	6	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	6	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	6	0.37
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	13	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	13	0.37
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	13	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	13	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	13	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	13	0.37
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	18	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	18	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	18	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	18	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	18	0.37
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	19	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	19	0.37
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	19	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	19	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	19	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	19	0.37
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	20	0.37
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	20	0.37
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	20	0.37
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	20	0.37
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	20	0.37
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	20	0.37
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD21	3	0.37
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD22	3	0.37
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD23	3	0.37
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD11	17	0.37
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD12	17	0.37
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD13	17	0.37
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	3	0.37
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	3	0.37
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	3	0.37
(1,1167)	1:48:A:LYS:H	1:48:A:LYS:HE2	11	0.37
(1,1167)	1:48:A:LYS:H	1:48:A:LYS:HE3	11	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	1	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	1	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	1	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	1	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	1	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	1	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	8	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	8	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	8	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	8	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	8	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	8	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG11	10	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG12	10	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG13	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG21	10	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG22	10	0.37
(1,948)	1:38:A:TYR:H	1:39:A:VAL:HG23	10	0.37
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	10	0.37
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	10	0.37
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	10	0.37
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	10	0.37
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	10	0.37
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	10	0.37
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	14	0.37
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	14	0.37
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	16	0.37
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	16	0.37
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	2	0.37
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	5	0.37
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	5	0.37
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	10	0.37
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	10	0.37
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	10	0.37
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	10	0.37
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	19	0.37
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	19	0.37
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	17	0.37
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	19	0.37
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	7	0.37
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	11	0.37
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	14	0.37
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	15	0.37
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	19	0.37
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	10	0.37
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	10	0.37
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	10	0.37
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	18	0.37
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	18	0.37
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	20	0.37
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	20	0.37
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	8	0.37
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	8	0.37
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	8	0.37
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	17	0.37
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	17	0.37
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	10	0.37
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	10	0.37
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	10	0.37
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	10	0.37
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	10	0.37
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	10	0.37
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	10	0.37
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	10	0.37
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	10	0.37
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	10	0.37
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	10	0.37
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	10	0.37
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	14	0.37
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	14	0.37
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	14	0.37
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	5	0.37
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	5	0.37
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	5	0.37
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	15	0.37
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	15	0.37
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	15	0.37
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	11	0.37
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	10	0.37
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	10	0.37
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	10	0.37
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	16	0.37
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	16	0.37
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	16	0.37
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	11	0.37
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	11	0.37
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	15	0.37
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	15	0.37
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	17	0.37
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	17	0.37
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	6	0.36
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	6	0.36
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	6	0.36
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	6	0.36
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	6	0.36
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	6	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	6	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	6	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	14	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	14	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	14	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	20	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	20	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	20	0.36
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	11	0.36
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	3	0.36
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	14	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	2	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	2	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	2	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	4	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	4	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	4	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	5	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	5	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	5	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	6	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	6	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	6	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	11	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	11	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	11	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	17	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	17	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	17	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	18	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	18	0.36
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	18	0.36
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	2	0.36
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	3	0.36
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	3	0.36
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	12	0.36
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	12	0.36
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	16	0.36
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	16	0.36
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	8	0.36
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	14	0.36
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	14	0.36
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	14	0.36
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	14	0.36
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	14	0.36
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	15	0.36
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	15	0.36
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	15	0.36
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	3	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	2	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	2	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	2	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	20	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	20	0.36
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	20	0.36
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	10	0.36
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	10	0.36
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	10	0.36
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	10	0.36
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	10	0.36
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	10	0.36
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	12	0.36
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	12	0.36
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	12	0.36
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	12	0.36
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	12	0.36
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	12	0.36
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	8	0.36
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	8	0.36
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	8	0.36
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	8	0.36
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	8	0.36
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	8	0.36
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	2	0.36
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	2	0.36
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	2	0.36
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	12	0.36
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	12	0.36
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	12	0.36
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	12	0.36
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	5	0.36
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	5	0.36
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	5	0.36
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	5	0.36
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	5	0.36
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	10	0.36
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	10	0.36
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	10	0.36
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	10	0.36
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	10	0.36
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	10	0.36
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	10	0.36
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	10	0.36
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	10	0.36
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	10	0.36
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	10	0.36
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	10	0.36
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	19	0.36
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	19	0.36
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	19	0.36
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	13	0.36
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	13	0.36
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	13	0.36
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	13	0.36
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	3	0.36
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	20	0.36
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	20	0.36
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	20	0.36
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	14	0.36
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	3	0.36
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	3	0.36
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	5	0.36
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	5	0.36
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	7	0.36
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	14	0.36
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	14	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	10	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	10	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	10	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	10	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	10	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	10	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	17	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	17	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	17	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	17	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	17	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	18	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	18	0.36
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	18	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	18	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	18	0.36
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	18	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	2	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	6	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	7	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	9	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	14	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	16	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	17	0.36
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	20	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	1	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	1	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	1	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	7	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	7	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	7	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	10	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	10	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	10	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	11	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	11	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	11	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	13	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	13	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	13	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	15	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	15	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	15	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	16	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	16	0.36
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	16	0.36
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	1	0.36
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	3	0.36
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	6	0.36
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	19	0.36
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	20	0.36
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	5	0.36
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	12	0.36
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	20	0.36
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	13	0.36
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	17	0.36
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	12	0.36
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	12	0.36
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	12	0.36
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	12	0.36
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	12	0.36
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	12	0.36
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	14	0.36
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	14	0.36
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	14	0.36
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	14	0.36
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	14	0.36
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	14	0.36
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	4	0.36
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	4	0.36
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	5	0.36
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	5	0.36
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	13	0.36
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	13	0.36
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	4	0.36
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	4	0.36
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	3	0.36
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	3	0.36
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	12	0.36
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	12	0.36
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	6	0.36
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	6	0.36
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	18	0.36
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	18	0.36
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	1	0.36
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	1	0.36
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	18	0.36
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	3	0.36
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	4	0.36
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	8	0.36
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	6	0.36
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	7	0.36
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	19	0.36
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	19	0.36
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	19	0.36
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	5	0.36
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	5	0.36
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	5	0.36
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	5	0.36
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	5	0.36
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	5	0.36
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	5	0.36
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	5	0.36
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	5	0.36
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	9	0.36
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	14	0.36
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	17	0.36
(1,336)	1:11:A:GLN:HG2	1:16:A:PRO:HB3	14	0.36
(1,336)	1:11:A:GLN:HG3	1:16:A:PRO:HB3	14	0.36
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	5	0.36
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	5	0.36
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	5	0.36
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	5	0.36
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	5	0.36
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	5	0.36
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	10	0.36
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	10	0.36
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	10	0.36
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	13	0.36
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	13	0.36
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	13	0.36
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	20	0.36
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	20	0.36
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	20	0.36
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	5	0.36
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	19	0.36
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	10	0.36
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	10	0.36
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	8	0.35
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	8	0.35
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	8	0.35
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	8	0.35
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	11	0.35
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	11	0.35
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	6	0.35
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	6	0.35
(1,3026)	1:158:A:ARG:HA	1:158:A:ARG:HG3	11	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	7	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	7	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	7	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	20	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	20	0.35
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	20	0.35
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	11	0.35
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	6	0.35
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	6	0.35
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	3	0.35
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	1	0.35
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	3	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	12	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	12	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	12	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	12	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	12	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	12	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	15	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	15	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	15	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	15	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	15	0.35
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	15	0.35
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	15	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG11	11	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG12	11	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG13	11	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG21	11	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG22	11	0.35
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG23	11	0.35
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG11	2	0.35
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG12	2	0.35
(1,2769)	1:125:A:VAL:HA	1:125:A:VAL:HG13	2	0.35
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	15	0.35
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	15	0.35
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	13	0.35
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	13	0.35
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	16	0.35
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	16	0.35
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	16	0.35
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	16	0.35
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	16	0.35
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	16	0.35
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	3	0.35
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	3	0.35
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	18	0.35
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	18	0.35
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	18	0.35
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	18	0.35
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	18	0.35
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	18	0.35
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	7	0.35
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	7	0.35
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	7	0.35
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	7	0.35
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	15	0.35
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	15	0.35
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	15	0.35
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	15	0.35
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	12	0.35
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	12	0.35
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	11	0.35
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	11	0.35
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	12	0.35
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	3	0.35
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	3	0.35
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	3	0.35
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	3	0.35
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	3	0.35
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	3	0.35
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	19	0.35
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	20	0.35
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	20	0.35
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	20	0.35
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	20	0.35
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	20	0.35
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	3	0.35
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	3	0.35
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	3	0.35
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	14	0.35
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	14	0.35
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	14	0.35
(1,1992)	1:83:A:ASP:HB3	1:149:A:LEU:HG	9	0.35
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	15	0.35
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	15	0.35
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	3	0.35
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	3	0.35
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	8	0.35
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	8	0.35
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	7	0.35
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	15	0.35
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	6	0.35
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	6	0.35
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	6	0.35
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	13	0.35
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	19	0.35
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	19	0.35
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	1	0.35
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	1	0.35
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	20	0.35
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	20	0.35
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	3	0.35
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	3	0.35
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	3	0.35
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	3	0.35
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	3	0.35
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	3	0.35
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	3	0.35
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	3	0.35
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	3	0.35
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	3	0.35
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	3	0.35
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	3	0.35
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	3	0.35
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	3	0.35
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	3	0.35
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	3	0.35
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	3	0.35
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	3	0.35
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	8	0.35
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	11	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	2	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	2	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	2	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	4	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	4	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	4	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	5	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	5	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	5	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	8	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	8	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	8	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	12	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	12	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	12	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	14	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	14	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	14	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	17	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	17	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	17	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	18	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	18	0.35
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	18	0.35
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	2	0.35
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	5	0.35
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	10	0.35
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	13	0.35
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	14	0.35
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	15	0.35
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	5	0.35
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	12	0.35
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	15	0.35
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	17	0.35
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	18	0.35
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	19	0.35
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	8	0.35
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	2	0.35
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	2	0.35
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	2	0.35
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	2	0.35
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	2	0.35
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	2	0.35
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD11	8	0.35
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD12	8	0.35
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD13	8	0.35
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD21	8	0.35
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD22	8	0.35
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD23	8	0.35
(1,1213)	1:50:A:TYR:HB2	1:51:A:SER:H	20	0.35
(1,1213)	1:50:A:TYR:HB3	1:51:A:SER:H	20	0.35
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	12	0.35
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	12	0.35
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	8	0.35
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	8	0.35
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	8	0.35
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	8	0.35
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	8	0.35
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	8	0.35
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	8	0.35
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	8	0.35
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	8	0.35
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	4	0.35
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	4	0.35
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	4	0.35
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	4	0.35
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	4	0.35
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	4	0.35
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	4	0.35
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	4	0.35
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	2	0.35
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	2	0.35
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	7	0.35
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	7	0.35
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	5	0.35
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	5	0.35
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	9	0.35
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	20	0.35
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	20	0.35
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	2	0.35
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	2	0.35
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	2	0.35
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	2	0.35
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	4	0.35
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	4	0.35
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	4	0.35
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	4	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	7	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	7	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	9	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	9	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	17	0.35
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	17	0.35
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	3	0.35
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	6	0.35
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	12	0.35
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	3	0.35
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	4	0.35
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	16	0.35
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	9	0.35
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	9	0.35
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	9	0.35
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	2	0.35
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	2	0.35
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	2	0.35
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	10	0.35
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	10	0.35
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	10	0.35
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	2	0.35
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	4	0.35
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	15	0.35
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	15	0.35
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	15	0.35
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	15	0.35
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	15	0.35
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	15	0.35
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	15	0.35
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	15	0.35
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	15	0.35
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	15	0.35
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	15	0.35
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	1	0.35
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	1	0.35
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	6	0.35
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	6	0.35
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	6	0.35
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	1	0.34
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	1	0.34
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	1	0.34
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	13	0.34
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	9	0.34
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	17	0.34
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	17	0.34
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	17	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	8	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	8	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	8	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	9	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	9	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	9	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	10	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	10	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	10	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	12	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	12	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	12	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	13	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	13	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	13	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	15	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	15	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	15	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	16	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	16	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	16	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG21	19	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG22	19	0.34
(1,2952)	1:153:A:ASN:HA	1:154:A:ILE:HG23	19	0.34
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	4	0.34
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	14	0.34
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	15	0.34
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	1	0.34
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	5	0.34
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	8	0.34
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	18	0.34
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	1	0.34
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	1	0.34
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	11	0.34
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	12	0.34
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	2	0.34
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	2	0.34
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	2	0.34
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	2	0.34
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	2	0.34
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	2	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	8	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	8	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	8	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	8	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	8	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	8	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	9	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	9	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	9	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	9	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	9	0.34
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	9	0.34
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	19	0.34
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	19	0.34
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	19	0.34
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	7	0.34
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	7	0.34
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	7	0.34
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD11	5	0.34
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD12	5	0.34
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD13	5	0.34
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	5	0.34
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	18	0.34
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	18	0.34
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	18	0.34
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	18	0.34
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	18	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	10	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	10	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	10	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	10	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	10	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	10	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	12	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	12	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	12	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	12	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	12	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	12	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	14	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	14	0.34
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	14	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	14	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	14	0.34
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	14	0.34
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	13	0.34
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	13	0.34
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	13	0.34
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	13	0.34
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	1	0.34
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	1	0.34
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	17	0.34
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	17	0.34
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	20	0.34
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	20	0.34
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	6	0.34
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	9	0.34
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	9	0.34
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	10	0.34
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	10	0.34
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	10	0.34
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	10	0.34
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	10	0.34
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	10	0.34
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	10	0.34
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	11	0.34
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	11	0.34
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	16	0.34
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	16	0.34
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	16	0.34
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	18	0.34
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	18	0.34
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	18	0.34
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	2	0.34
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	2	0.34
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	2	0.34
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	16	0.34
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	16	0.34
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	16	0.34
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	11	0.34
(1,1994)	1:83:A:ASP:HB2	1:149:A:LEU:HG	7	0.34
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	16	0.34
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	13	0.34
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	11	0.34
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	11	0.34
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	9	0.34
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	9	0.34
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	2	0.34
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	12	0.34
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	12	0.34
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	12	0.34
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	13	0.34
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	13	0.34
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	13	0.34
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	5	0.34
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	15	0.34
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	16	0.34
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	17	0.34
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	8	0.34
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	8	0.34
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	9	0.34
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	9	0.34
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	1	0.34
(1,1653)	1:75:A:HIS:HA	1:159:A:ALA:H	6	0.34
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	9	0.34
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	9	0.34
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	9	0.34
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	9	0.34
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	9	0.34
(1,1445)	1:61:A:LEU:H	1:61:A:LEU:HG	4	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	3	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	3	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	3	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	6	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	6	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	6	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	20	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	20	0.34
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	20	0.34
(1,1422)	1:60:A:VAL:H	1:60:A:VAL:HB	11	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	1	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	3	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	6	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	10	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	17	0.34
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	19	0.34
(1,1338)	1:54:A:LEU:H	1:54:A:LEU:HB3	5	0.34
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	9	0.34
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	9	0.34
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	9	0.34
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	9	0.34
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	9	0.34
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	9	0.34
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	14	0.34
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	14	0.34
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	14	0.34
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	14	0.34
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	14	0.34
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	14	0.34
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	16	0.34
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	16	0.34
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	16	0.34
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	16	0.34
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	16	0.34
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	16	0.34
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	17	0.34
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	17	0.34
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	17	0.34
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	6	0.34
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	6	0.34
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	6	0.34
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	6	0.34
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	6	0.34
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	14	0.34
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	14	0.34
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	19	0.34
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	11	0.34
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	11	0.34
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	11	0.34
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	11	0.34
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	11	0.34
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	11	0.34
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	3	0.34
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	12	0.34
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	12	0.34
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	13	0.34
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	13	0.34
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	5	0.34
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	5	0.34
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	9	0.34
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	13	0.34
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	13	0.34
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	13	0.34
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	13	0.34
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	15	0.34
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	15	0.34
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	20	0.34
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	20	0.34
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	1	0.34
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	1	0.34
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	3	0.34
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	3	0.34
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	11	0.34
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	19	0.34
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	1	0.34
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	7	0.34
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	14	0.34
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	18	0.34
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	19	0.34
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	6	0.34
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	6	0.34
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	1	0.34
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	1	0.34
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	18	0.34
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	18	0.34
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	19	0.34
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	19	0.34
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	18	0.34
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	18	0.34
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	18	0.34
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	12	0.34
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	12	0.34
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	12	0.34
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	6	0.34
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	8	0.34
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	19	0.34
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	12	0.34
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	12	0.34
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	12	0.34
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	12	0.34
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	12	0.34
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	12	0.34
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	12	0.34
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	12	0.34
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	12	0.34
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	12	0.34
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	12	0.34
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	12	0.34
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	12	0.34
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	8	0.34
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	8	0.34
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	8	0.34
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	16	0.34
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	16	0.34
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	2	0.34
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	2	0.34
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	2	0.34
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	9	0.34
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	9	0.34
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	9	0.34
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	19	0.34
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	19	0.34
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	17	0.34
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	17	0.34
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	17	0.34
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	10	0.34
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	6	0.34
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	18	0.34
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	7	0.34
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	7	0.34
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG11	12	0.33
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG12	12	0.33
(1,3227)	1:181:A:ILE:HA	1:182:A:VAL:HG13	12	0.33
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	5	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	6	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	8	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	9	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	10	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	14	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	17	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	18	0.33
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	20	0.33
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	8	0.33
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	8	0.33
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	8	0.33
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	18	0.33
(1,3055)	1:161:A:ASP:H	1:161:A:ASP:HB3	17	0.33
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	10	0.33
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	17	0.33
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	13	0.33
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	16	0.33
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	16	0.33
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	14	0.33
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	14	0.33
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	5	0.33
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	9	0.33
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	4	0.33
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	7	0.33
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	7	0.33
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	7	0.33
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	20	0.33
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	6	0.33
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	6	0.33
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	14	0.33
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	13	0.33
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	13	0.33
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	13	0.33
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	13	0.33
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	13	0.33
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	13	0.33
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	14	0.33
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	14	0.33
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	14	0.33
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	14	0.33
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	14	0.33
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	14	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	2	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	2	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	2	0.33
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	2	0.33
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	2	0.33
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	2	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	11	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	11	0.33
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	11	0.33
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	11	0.33
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	11	0.33
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	11	0.33
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	17	0.33
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	17	0.33
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	17	0.33
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	17	0.33
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	20	0.33
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	20	0.33
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	20	0.33
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	20	0.33
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	6	0.33
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	6	0.33
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	5	0.33
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	9	0.33
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	9	0.33
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	9	0.33
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	9	0.33
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	9	0.33
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	9	0.33
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	6	0.33
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	1	0.33
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	1	0.33
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	3	0.33
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	3	0.33
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	11	0.33
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	11	0.33
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	11	0.33
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	11	0.33
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	11	0.33
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	11	0.33
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	11	0.33
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	11	0.33
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	14	0.33
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	14	0.33
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	14	0.33
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	14	0.33
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	14	0.33
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	14	0.33
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	9	0.33
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	9	0.33
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	9	0.33
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	9	0.33
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	9	0.33
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	9	0.33
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	15	0.33
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	17	0.33
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	12	0.33
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	12	0.33
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	12	0.33
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	13	0.33
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	13	0.33
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	13	0.33
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	3	0.33
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	3	0.33
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	3	0.33
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	9	0.33
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	9	0.33
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	19	0.33
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	19	0.33
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	7	0.33
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	3	0.33
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	3	0.33
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	10	0.33
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	10	0.33
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	20	0.33
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	20	0.33
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	3	0.33
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	7	0.33
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	10	0.33
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	19	0.33
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	17	0.33
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	17	0.33
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	19	0.33
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	19	0.33
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	13	0.33
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	13	0.33
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	13	0.33
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	14	0.33
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	14	0.33
(1,1539)	1:67:A:VAL:HG21	1:167:A:LEU:HA	3	0.33
(1,1539)	1:67:A:VAL:HG22	1:167:A:LEU:HA	3	0.33
(1,1539)	1:67:A:VAL:HG23	1:167:A:LEU:HA	3	0.33
(1,1525)	1:66:A:ASP:H	1:168:A:ASN:HB2	18	0.33
(1,1525)	1:66:A:ASP:H	1:168:A:ASN:HB3	18	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	2	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	2	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	2	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	2	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	2	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	2	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	4	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	4	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	4	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	4	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	4	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	4	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	12	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	12	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	12	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	12	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	12	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	15	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	15	0.33
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	15	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	15	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	15	0.33
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	15	0.33
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	3	0.33
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	3	0.33
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD21	9	0.33
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD22	9	0.33
(1,1428)	1:61:A:LEU:HA	1:61:A:LEU:HD23	9	0.33
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	2	0.33
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	1	0.33
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	7	0.33
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	6	0.33
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	14	0.33
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	16	0.33
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD11	2	0.33
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD12	2	0.33
(1,1319)	1:54:A:LEU:HA	1:54:A:LEU:HD13	2	0.33
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	10	0.33
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	10	0.33
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	10	0.33
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG11	20	0.33
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG12	20	0.33
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG13	20	0.33
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG21	20	0.33
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG22	20	0.33
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG23	20	0.33
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG11	20	0.33
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG12	20	0.33
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG13	20	0.33
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG21	20	0.33
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG22	20	0.33
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG23	20	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	2	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	2	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	2	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	6	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	6	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	10	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	10	0.33
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	10	0.33
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	5	0.33
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	5	0.33
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	14	0.33
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	14	0.33
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	14	0.33
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	3	0.33
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	3	0.33
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	19	0.33
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	19	0.33
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	15	0.33
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	15	0.33
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	15	0.33
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	15	0.33
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	15	0.33
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	15	0.33
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	18	0.33
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	16	0.33
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	14	0.33
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	20	0.33
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	20	0.33
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	20	0.33
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	20	0.33
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	17	0.33
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	17	0.33
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	14	0.33
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	14	0.33
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	4	0.33
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	4	0.33
(1,632)	1:24:A:LEU:HB3	1:26:A:GLU:H	5	0.33
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	3	0.33
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	3	0.33
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	17	0.33
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	17	0.33
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	16	0.33
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	4	0.33
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	10	0.33
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:16:A:PRO:HA	1:124:A:LEU:HD11	18	0.33
(1,460)	1:16:A:PRO:HA	1:124:A:LEU:HD12	18	0.33
(1,460)	1:16:A:PRO:HA	1:124:A:LEU:HD13	18	0.33
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	15	0.33
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	4	0.33
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	4	0.33
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	4	0.33
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	11	0.33
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	11	0.33
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	11	0.33
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	12	0.33
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	12	0.33
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	12	0.33
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	15	0.33
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	15	0.33
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	15	0.33
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	16	0.33
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	16	0.33
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	16	0.33
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	1	0.33
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	10	0.33
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	16	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	5	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	5	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	5	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	5	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	5	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	5	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	5	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	5	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	5	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	5	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	5	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	5	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	7	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	7	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	7	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	7	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	7	0.33
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	7	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	7	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	7	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	7	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	7	0.33
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	7	0.33
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	8	0.33
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	8	0.33
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	8	0.33
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	11	0.33
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	11	0.33
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	11	0.33
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	12	0.33
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	12	0.33
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	12	0.33
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	13	0.33
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	13	0.33
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	13	0.33
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	4	0.33
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	4	0.33
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	4	0.33
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	17	0.33
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	17	0.33
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	20	0.33
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	2	0.32
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	2	0.32
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	4	0.32
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	5	0.32
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	12	0.32
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	1	0.32
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	20	0.32
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	3	0.32
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	3	0.32
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	3	0.32
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	8	0.32
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	8	0.32
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	8	0.32
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	8	0.32
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	8	0.32
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	8	0.32
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	1	0.32
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	7	0.32
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	12	0.32
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	2	0.32
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	3	0.32
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	19	0.32
(1,2870)	1:148:A:LEU:H	1:148:A:LEU:HB3	9	0.32
(1,2809)	1:139:A:ASN:HA	1:140:A:LEU:H	7	0.32
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG11	16	0.32
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG12	16	0.32
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG13	16	0.32
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG21	16	0.32
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG22	16	0.32
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG23	16	0.32
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	14	0.32
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	14	0.32
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	14	0.32
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	15	0.32
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	15	0.32
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	9	0.32
(1,2733)	1:122:A:LEU:HA	1:145:A:HIS:HB2	4	0.32
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	15	0.32
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	15	0.32
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	15	0.32
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	15	0.32
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	15	0.32
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	15	0.32
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	15	0.32
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	17	0.32
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	17	0.32
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	17	0.32
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	19	0.32
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	19	0.32
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	19	0.32
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	20	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	4	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	4	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	4	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	4	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	8	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	8	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	8	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	8	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	19	0.32
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	19	0.32
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	19	0.32
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	13	0.32
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	13	0.32
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	6	0.32
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	6	0.32
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	10	0.32
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	10	0.32
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	13	0.32
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	13	0.32
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	14	0.32
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	14	0.32
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	20	0.32
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	10	0.32
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	16	0.32
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	18	0.32
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	16	0.32
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	8	0.32
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	8	0.32
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	8	0.32
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	8	0.32
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	8	0.32
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	8	0.32
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	12	0.32
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	12	0.32
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	12	0.32
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	12	0.32
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	12	0.32
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	12	0.32
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	8	0.32
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	8	0.32
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	14	0.32
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	14	0.32
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	16	0.32
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	16	0.32
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	16	0.32
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	16	0.32
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	16	0.32
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	16	0.32
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	20	0.32
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	20	0.32
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	20	0.32
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	20	0.32
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	20	0.32
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	20	0.32
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	20	0.32
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	20	0.32
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	20	0.32
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	20	0.32
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	20	0.32
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	12	0.32
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	12	0.32
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	12	0.32
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	12	0.32
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	12	0.32
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	12	0.32
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	20	0.32
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	20	0.32
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	20	0.32
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	20	0.32
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	20	0.32
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	20	0.32
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	11	0.32
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	5	0.32
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	5	0.32
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	5	0.32
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	9	0.32
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	9	0.32
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	9	0.32
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	10	0.32
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	10	0.32
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	10	0.32
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	19	0.32
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	19	0.32
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	19	0.32
(1,2086)	1:88:A:GLU:HG2	1:89:A:THR:H	13	0.32
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	12	0.32
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	12	0.32
(1,1991)	1:83:A:ASP:HB3	1:84:A:GLY:H	9	0.32
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	7	0.32
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	6	0.32
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	9	0.32
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	20	0.32
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	3	0.32
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	12	0.32
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	20	0.32
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	20	0.32
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	20	0.32
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	16	0.32
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	16	0.32
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	16	0.32
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	2	0.32
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	2	0.32
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	2	0.32
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	2	0.32
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	2	0.32
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	2	0.32
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	2	0.32
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	2	0.32
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	2	0.32
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	5	0.32
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	17	0.32
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	17	0.32
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	6	0.32
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	6	0.32
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	6	0.32
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	6	0.32
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	6	0.32
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	6	0.32
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	6	0.32
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	6	0.32
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	6	0.32
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	6	0.32
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	6	0.32
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	6	0.32
(1,1520)	1:65:A:GLU:H	1:170:A:LYS:H	18	0.32
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	20	0.32
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	20	0.32
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	20	0.32
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	20	0.32
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	20	0.32
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	20	0.32
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	12	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	1	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	2	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	2	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	6	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	6	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	8	0.32
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	8	0.32
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	9	0.32
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	14	0.32
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	1	0.32
(1,1345)	1:55:A:GLU:HA	1:55:A:GLU:HG3	2	0.32
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	17	0.32
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	17	0.32
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	17	0.32
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	17	0.32
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	17	0.32
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	17	0.32
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	19	0.32
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	19	0.32
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	19	0.32
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	14	0.32
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	14	0.32
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	14	0.32
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	14	0.32
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	14	0.32
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	14	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	1	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	1	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	1	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	8	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	8	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	8	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	12	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	12	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	12	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	19	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	19	0.32
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	19	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	10	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	10	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	10	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	10	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	10	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	17	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	17	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	17	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	17	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	17	0.32
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	17	0.32
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	1	0.32
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	11	0.32
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	5	0.32
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	5	0.32
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	5	0.32
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	4	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	1	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	1	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	1	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	1	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	1	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	1	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	2	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	2	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	2	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	2	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	2	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	2	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	20	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	20	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	20	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	20	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	20	0.32
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	20	0.32
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	7	0.32
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	15	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	6	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	6	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	15	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	15	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	17	0.32
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	17	0.32
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	18	0.32
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	2	0.32
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	2	0.32
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	15	0.32
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	15	0.32
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	13	0.32
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	13	0.32
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	5	0.32
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	5	0.32
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	5	0.32
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	11	0.32
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	11	0.32
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	11	0.32
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	11	0.32
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	16	0.32
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	16	0.32
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	20	0.32
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	20	0.32
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	8	0.32
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	13	0.32
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	11	0.32
(1,561)	1:20:A:THR:HG21	1:23:A:GLU:HB3	20	0.32
(1,561)	1:20:A:THR:HG22	1:23:A:GLU:HB3	20	0.32
(1,561)	1:20:A:THR:HG23	1:23:A:GLU:HB3	20	0.32
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	8	0.32
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	8	0.32
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	8	0.32
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	12	0.32
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	12	0.32
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	3	0.32
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	3	0.32
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	3	0.32
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	6	0.32
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	6	0.32
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	6	0.32
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	2	0.32
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	2	0.32
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	2	0.32
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	6	0.32
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	6	0.32
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	6	0.32
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	7	0.32
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	7	0.32
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	8	0.32
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	8	0.32
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	8	0.32
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	15	0.32
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	15	0.32
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	15	0.32
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	7	0.32
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	7	0.32
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	7	0.32
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	3	0.32
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	11	0.32
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	12	0.32
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	11	0.32
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	11	0.32
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	11	0.32
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	11	0.32
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	11	0.32
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	11	0.32
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	11	0.32
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	11	0.32
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	11	0.32
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	11	0.32
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	11	0.32
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	11	0.32
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	6	0.32
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	6	0.32
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	6	0.32
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	11	0.32
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	11	0.32
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	11	0.32
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	15	0.32
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	20	0.32
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	20	0.32
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	20	0.32
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	20	0.32
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	20	0.32
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	20	0.32
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	20	0.32
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	20	0.32
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	20	0.32
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	20	0.32
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	20	0.32
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	4	0.32
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	4	0.32
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	4	0.32
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	1	0.32
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	1	0.32
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	1	0.32
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	5	0.32
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	5	0.32
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	5	0.32
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	9	0.32
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	11	0.32
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	11	0.32
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	11	0.32
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	3	0.32
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	3	0.32
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	3	0.32
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	1	0.31
(1,3180)	1:177:A:ILE:H	1:180:A:ASN:HB3	3	0.31
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	1	0.31
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	3	0.31
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	15	0.31
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	16	0.31
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	15	0.31
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	19	0.31
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	17	0.31
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	19	0.31
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	19	0.31
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	19	0.31
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	18	0.31
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	19	0.31
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	7	0.31
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	10	0.31
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	10	0.31
(1,2855)	1:148:A:LEU:HA	1:148:A:LEU:HD11	8	0.31
(1,2855)	1:148:A:LEU:HA	1:148:A:LEU:HD12	8	0.31
(1,2855)	1:148:A:LEU:HA	1:148:A:LEU:HD13	8	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	1	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	1	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	1	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	1	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	1	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	17	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	17	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	17	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	17	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	17	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	17	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	20	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	20	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	20	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	20	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	20	0.31
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	20	0.31
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	10	0.31
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	10	0.31
(1,2809)	1:139:A:ASN:HA	1:140:A:LEU:H	4	0.31
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	1	0.31
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	19	0.31
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	19	0.31
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	19	0.31
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	16	0.31
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD11	15	0.31
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD12	15	0.31
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD13	15	0.31
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	17	0.31
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	7	0.31
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	5	0.31
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	5	0.31
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	5	0.31
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	5	0.31
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	5	0.31
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	5	0.31
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	12	0.31
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	12	0.31
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	12	0.31
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	12	0.31
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	12	0.31
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	12	0.31
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	9	0.31
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	9	0.31
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	9	0.31
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	9	0.31
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	9	0.31
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	7	0.31
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	7	0.31
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	7	0.31
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	18	0.31
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	18	0.31
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	18	0.31
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	3	0.31
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	10	0.31
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	10	0.31
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	10	0.31
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	10	0.31
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	19	0.31
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	19	0.31
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	17	0.31
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	16	0.31
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	16	0.31
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	12	0.31
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	12	0.31
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	15	0.31
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	15	0.31
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	7	0.31
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	15	0.31
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	19	0.31
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	2	0.31
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	13	0.31
(1,2391)	1:104:A:ILE:HD11	1:106:A:LYS:HE2	18	0.31
(1,2391)	1:104:A:ILE:HD12	1:106:A:LYS:HE2	18	0.31
(1,2391)	1:104:A:ILE:HD13	1:106:A:LYS:HE2	18	0.31
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	13	0.31
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	13	0.31
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	3	0.31
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	3	0.31
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	2	0.31
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	2	0.31
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	20	0.31
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	20	0.31
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	20	0.31
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	6	0.31
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	6	0.31
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	6	0.31
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	6	0.31
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	6	0.31
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	17	0.31
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	17	0.31
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	17	0.31
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	17	0.31
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	17	0.31
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	17	0.31
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	17	0.31
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	17	0.31
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	17	0.31
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	15	0.31
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	9	0.31
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	17	0.31
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	2	0.31
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	2	0.31
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	7	0.31
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	7	0.31
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	9	0.31
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	20	0.31
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	13	0.31
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	18	0.31
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	6	0.31
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	17	0.31
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	18	0.31
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	2	0.31
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	2	0.31
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	11	0.31
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	7	0.31
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	7	0.31
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	7	0.31
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	9	0.31
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	9	0.31
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	9	0.31
(1,1665)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	14	0.31
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	6	0.31
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	6	0.31
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	6	0.31
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	6	0.31
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	6	0.31
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	10	0.31
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	10	0.31
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	7	0.31
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	2	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	2	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	2	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	2	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	16	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	16	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	16	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	19	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	19	0.31
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	19	0.31
(1,1220)	1:50:A:TYR:HB2	1:176:A:ILE:HD11	20	0.31
(1,1220)	1:50:A:TYR:HB2	1:176:A:ILE:HD12	20	0.31
(1,1220)	1:50:A:TYR:HB2	1:176:A:ILE:HD13	20	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	9	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	9	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	9	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	13	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	13	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	13	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	15	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	15	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	15	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	18	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	18	0.31
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	18	0.31
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	6	0.31
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	9	0.31
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	20	0.31
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	16	0.31
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	16	0.31
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	16	0.31
(1,1095)	1:46:A:GLU:HG2	1:48:A:LYS:HE2	11	0.31
(1,1095)	1:46:A:GLU:HG2	1:48:A:LYS:HE3	11	0.31
(1,1095)	1:46:A:GLU:HG3	1:48:A:LYS:HE2	11	0.31
(1,1095)	1:46:A:GLU:HG3	1:48:A:LYS:HE3	11	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	7	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	7	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	7	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	7	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	7	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	14	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	14	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	14	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	14	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	14	0.31
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	14	0.31
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	3	0.31
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	3	0.31
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	3	0.31
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	3	0.31
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	3	0.31
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	3	0.31
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	19	0.31
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	10	0.31
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	18	0.31
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	18	0.31
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	20	0.31
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	20	0.31
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	19	0.31
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	19	0.31
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	13	0.31
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	13	0.31
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	8	0.31
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	8	0.31
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	8	0.31
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	8	0.31
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	15	0.31
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	15	0.31
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	15	0.31
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	15	0.31
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	4	0.31
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	4	0.31
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	18	0.31
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	18	0.31
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	12	0.31
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	12	0.31
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	11	0.31
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	11	0.31
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	17	0.31
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	2	0.31
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	9	0.31
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	12	0.31
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	18	0.31
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	19	0.31
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	1	0.31
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	9	0.31
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	9	0.31
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	1	0.31
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	10	0.31
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	7	0.31
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	9	0.31
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	1	0.31
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	5	0.31
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	7	0.31
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	15	0.31
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	18	0.31
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	1	0.31
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	1	0.31
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	1	0.31
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	20	0.31
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	20	0.31
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	20	0.31
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	1	0.31
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	1	0.31
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	1	0.31
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	3	0.31
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	3	0.31
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	3	0.31
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	14	0.31
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	14	0.31
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	14	0.31
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	6	0.31
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	6	0.31
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	6	0.31
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	17	0.31
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	17	0.31
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	17	0.31
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	20	0.31
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	20	0.31
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	5	0.31
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	13	0.31
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	7	0.31
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	3	0.31
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	19	0.31
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	15	0.31
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	15	0.31
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	15	0.31
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	16	0.31
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	16	0.31
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	16	0.31
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	19	0.31
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	19	0.31
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	19	0.31
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	16	0.31
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	16	0.31
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	16	0.31
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	16	0.31
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	16	0.31
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	16	0.31
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	16	0.31
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	16	0.31
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	16	0.31
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	16	0.31
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	16	0.31
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	16	0.31
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	6	0.31
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	6	0.31
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	6	0.31
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	18	0.31
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	18	0.31
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	18	0.31
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	16	0.31
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	16	0.31
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	16	0.31
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	2	0.31
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	9	0.31
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	2	0.3
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	4	0.3
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	17	0.3
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	19	0.3
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	2	0.3
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	6	0.3
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	10	0.3
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	13	0.3
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	17	0.3
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	19	0.3
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	19	0.3
(1,3055)	1:161:A:ASP:H	1:161:A:ASP:HB3	4	0.3
(1,3055)	1:161:A:ASP:H	1:161:A:ASP:HB3	11	0.3
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	10	0.3
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	10	0.3
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	10	0.3
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	2	0.3
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	2	0.3
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	2	0.3
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	2	0.3
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	2	0.3
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	2	0.3
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	4	0.3
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	4	0.3
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	4	0.3
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	4	0.3
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	4	0.3
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	4	0.3
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	13	0.3
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	13	0.3
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	13	0.3
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	13	0.3
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	13	0.3
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	13	0.3
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	5	0.3
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	6	0.3
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	10	0.3
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	11	0.3
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	15	0.3
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	7	0.3
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	7	0.3
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	10	0.3
(1,2869)	1:148:A:LEU:HG	1:149:A:LEU:H	18	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	7	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	7	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	7	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	7	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	7	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	14	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	14	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	14	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	14	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	14	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	14	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	16	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	16	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	16	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	16	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	16	0.3
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	16	0.3
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	13	0.3
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	13	0.3
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	18	0.3
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	18	0.3
(1,2780)	1:133:A:ASP:HA	1:134:A:ASN:H	20	0.3
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	14	0.3
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	9	0.3
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	9	0.3
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	9	0.3
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	4	0.3
(1,2733)	1:122:A:LEU:HA	1:145:A:HIS:HB2	3	0.3
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	8	0.3
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	11	0.3
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	14	0.3
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	7	0.3
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	7	0.3
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	7	0.3
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	7	0.3
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	7	0.3
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	7	0.3
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	11	0.3
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	11	0.3
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	11	0.3
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	11	0.3
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	11	0.3
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	11	0.3
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	3	0.3
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	3	0.3
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	3	0.3
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	3	0.3
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	3	0.3
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	3	0.3
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	3	0.3
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	3	0.3
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	13	0.3
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	13	0.3
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	13	0.3
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	13	0.3
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	13	0.3
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	13	0.3
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	20	0.3
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	20	0.3
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	16	0.3
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	2	0.3
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	7	0.3
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	7	0.3
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	1	0.3
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	11	0.3
(1,2429)	1:106:A:LYS:H	1:106:A:LYS:HB3	3	0.3
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	4	0.3
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	4	0.3
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	7	0.3
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	7	0.3
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	11	0.3
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	11	0.3
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	12	0.3
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	12	0.3
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	16	0.3
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	16	0.3
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	8	0.3
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	13	0.3
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	13	0.3
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	13	0.3
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	13	0.3
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	13	0.3
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	13	0.3
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	9	0.3
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	5	0.3
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	6	0.3
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	6	0.3
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	17	0.3
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	17	0.3
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	17	0.3
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	17	0.3
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	17	0.3
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	17	0.3
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	16	0.3
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	16	0.3
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	16	0.3
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	16	0.3
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	16	0.3
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	16	0.3
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	16	0.3
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	16	0.3
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	16	0.3
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	16	0.3
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	16	0.3
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	16	0.3
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	1	0.3
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	2	0.3
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	2	0.3
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	2	0.3
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	20	0.3
(1,2102)	1:90:A:THR:HA	1:91:A:VAL:HG11	20	0.3
(1,2102)	1:90:A:THR:HA	1:91:A:VAL:HG12	20	0.3
(1,2102)	1:90:A:THR:HA	1:91:A:VAL:HG13	20	0.3
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	18	0.3
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	13	0.3
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	8	0.3
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	8	0.3
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	11	0.3
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	11	0.3
(1,1991)	1:83:A:ASP:HB3	1:84:A:GLY:H	7	0.3
(1,1991)	1:83:A:ASP:HB3	1:84:A:GLY:H	13	0.3
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	7	0.3
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	7	0.3
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	3	0.3
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	12	0.3
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	18	0.3
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	1	0.3
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	2	0.3
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	15	0.3
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	12	0.3
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	12	0.3
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	13	0.3
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	13	0.3
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	18	0.3
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	18	0.3
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	16	0.3
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	18	0.3
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	10	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	1	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	1	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	1	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	14	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	14	0.3
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	14	0.3
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	11	0.3
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	18	0.3
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	4	0.3
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	4	0.3
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	4	0.3
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	4	0.3
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	4	0.3
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	4	0.3
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	20	0.3
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	20	0.3
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	20	0.3
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	20	0.3
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	20	0.3
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	20	0.3
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	2	0.3
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	2	0.3
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	18	0.3
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	18	0.3
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	18	0.3
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	18	0.3
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	18	0.3
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	18	0.3
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	18	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	7	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	7	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	9	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	9	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	17	0.3
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	17	0.3
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	4	0.3
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	19	0.3
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	19	0.3
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	19	0.3
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	8	0.3
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	8	0.3
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	8	0.3
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	16	0.3
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	16	0.3
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	16	0.3
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	18	0.3
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	18	0.3
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	18	0.3
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	12	0.3
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	12	0.3
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	12	0.3
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	1	0.3
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	1	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	2	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	2	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	2	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	2	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	2	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	2	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	8	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	8	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	8	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	8	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	8	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	8	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	19	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	19	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	19	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	19	0.3
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	19	0.3
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	20	0.3
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	20	0.3
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	20	0.3
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	4	0.3
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	13	0.3
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	6	0.3
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	6	0.3
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	11	0.3
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	11	0.3
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	6	0.3
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	6	0.3
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	11	0.3
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	11	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	6	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	6	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	6	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	6	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	6	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	6	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	9	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	9	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	9	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	9	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	9	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	9	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	13	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	13	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	13	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	13	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	13	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	13	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	16	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	16	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	16	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	16	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	16	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	16	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	17	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	17	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	17	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	17	0.3
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	17	0.3
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	19	0.3
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	19	0.3
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	19	0.3
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	19	0.3
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	19	0.3
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	19	0.3
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	6	0.3
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	16	0.3
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	20	0.3
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	8	0.3
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	4	0.3
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	17	0.3
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	18	0.3
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	18	0.3
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	18	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	5	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	5	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	5	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	5	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	9	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	9	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	9	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	9	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	12	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	12	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	12	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	12	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	14	0.3
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	14	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	14	0.3
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	14	0.3
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	11	0.3
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	11	0.3
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	2	0.3
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	2	0.3
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	7	0.3
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	9	0.3
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	15	0.3
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	20	0.3
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	14	0.3
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	20	0.3
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	6	0.3
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	6	0.3
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	6	0.3
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	6	0.3
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	6	0.3
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	6	0.3
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	4	0.3
(1,473)	1:16:A:PRO:HG2	1:124:A:LEU:HD11	18	0.3
(1,473)	1:16:A:PRO:HG2	1:124:A:LEU:HD12	18	0.3
(1,473)	1:16:A:PRO:HG2	1:124:A:LEU:HD13	18	0.3
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	15	0.3
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	15	0.3
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	11	0.3
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	17	0.3
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	19	0.3
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	3	0.3
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	18	0.3
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	3	0.3
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	8	0.3
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	17	0.3
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	20	0.3
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	13	0.3
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	13	0.3
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	13	0.3
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	12	0.3
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	12	0.3
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	12	0.3
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	2	0.3
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	2	0.3
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	2	0.3
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	14	0.3
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	14	0.3
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	14	0.3
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	15	0.3
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	14	0.3
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	14	0.3
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	14	0.3
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	14	0.3
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	14	0.3
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	5	0.3
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	8	0.3
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	2	0.3
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	2	0.3
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	2	0.3
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	14	0.3
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	14	0.3
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	14	0.3
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	14	0.3
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	14	0.3
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	14	0.3
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	9	0.3
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	9	0.3
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	9	0.3
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	4	0.3
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	6	0.3
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	12	0.3
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	5	0.3
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	5	0.3
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	5	0.3
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	19	0.3
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	19	0.3
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	19	0.3
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	13	0.3
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	18	0.3
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	18	0.3
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	18	0.3
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	7	0.29
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	16	0.29
(1,3179)	1:177:A:ILE:H	1:178:A:ASN:H	11	0.29
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	1	0.29
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	1	0.29
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	1	0.29
(1,3131)	1:175:A:VAL:HG11	1:178:A:ASN:H	2	0.29
(1,3131)	1:175:A:VAL:HG12	1:178:A:ASN:H	2	0.29
(1,3131)	1:175:A:VAL:HG13	1:178:A:ASN:H	2	0.29
(1,3131)	1:175:A:VAL:HG21	1:178:A:ASN:H	2	0.29
(1,3131)	1:175:A:VAL:HG22	1:178:A:ASN:H	2	0.29
(1,3131)	1:175:A:VAL:HG23	1:178:A:ASN:H	2	0.29
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	12	0.29
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	16	0.29
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:158:A:ARG:HA	1:159:A:ALA:H	6	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	2	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	2	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	2	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	7	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	7	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	7	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	15	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	15	0.29
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	15	0.29
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	18	0.29
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	18	0.29
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	18	0.29
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	4	0.29
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	4	0.29
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	4	0.29
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	4	0.29
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	4	0.29
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	4	0.29
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	14	0.29
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	14	0.29
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	14	0.29
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	14	0.29
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	14	0.29
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	14	0.29
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	18	0.29
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	18	0.29
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	18	0.29
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	18	0.29
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	18	0.29
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	18	0.29
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	3	0.29
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	16	0.29
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	20	0.29
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	17	0.29
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	20	0.29
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	9	0.29
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	18	0.29
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	18	0.29
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	18	0.29
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	18	0.29
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	18	0.29
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	14	0.29
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	14	0.29
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	2	0.29
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	2	0.29
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	3	0.29
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	3	0.29
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	4	0.29
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	4	0.29
(1,2787)	1:134:A:ASN:HD21	1:135:A:PRO:HD2	14	0.29
(1,2787)	1:134:A:ASN:HD21	1:135:A:PRO:HD3	14	0.29
(1,2787)	1:134:A:ASN:HD22	1:135:A:PRO:HD2	14	0.29
(1,2787)	1:134:A:ASN:HD22	1:135:A:PRO:HD3	14	0.29
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	11	0.29
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	11	0.29
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	11	0.29
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	3	0.29
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	6	0.29
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	9	0.29
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	3	0.29
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	3	0.29
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	3	0.29
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	3	0.29
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	3	0.29
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	3	0.29
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	19	0.29
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	6	0.29
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	6	0.29
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	6	0.29
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	9	0.29
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	9	0.29
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	9	0.29
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	9	0.29
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	9	0.29
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	9	0.29
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	13	0.29
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	13	0.29
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	19	0.29
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	1	0.29
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	1	0.29
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	1	0.29
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	6	0.29
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	6	0.29
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	6	0.29
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	6	0.29
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	11	0.29
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	11	0.29
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	11	0.29
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	11	0.29
(1,2527)	1:113:A:GLU:HG2	1:114:A:GLY:HA3	3	0.29
(1,2527)	1:113:A:GLU:HG3	1:114:A:GLY:HA3	3	0.29
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	4	0.29
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	10	0.29
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	13	0.29
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	16	0.29
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	9	0.29
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	9	0.29
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	4	0.29
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	14	0.29
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	1	0.29
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	16	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	1	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	1	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	2	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	2	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	5	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	5	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	6	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	6	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	9	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	9	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	10	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	10	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	15	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	15	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	17	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	17	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	19	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	19	0.29
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	20	0.29
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	20	0.29
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	12	0.29
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	12	0.29
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	12	0.29
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	12	0.29
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	12	0.29
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	10	0.29
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	10	0.29
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	10	0.29
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	10	0.29
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	10	0.29
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	10	0.29
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	10	0.29
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	10	0.29
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	10	0.29
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	10	0.29
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	10	0.29
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	10	0.29
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	7	0.29
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	7	0.29
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	7	0.29
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	7	0.29
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	7	0.29
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	7	0.29
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	16	0.29
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	16	0.29
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	16	0.29
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	16	0.29
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	16	0.29
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	16	0.29
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	4	0.29
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	9	0.29
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	16	0.29
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	4	0.29
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	4	0.29
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	4	0.29
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	18	0.29
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	18	0.29
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	18	0.29
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	8	0.29
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	10	0.29
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	10	0.29
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	15	0.29
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	6	0.29
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	6	0.29
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	8	0.29
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	11	0.29
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	10	0.29
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	1	0.29
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	4	0.29
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	5	0.29
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	14	0.29
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	9	0.29
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	5	0.29
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	13	0.29
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	13	0.29
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	13	0.29
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	13	0.29
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	17	0.29
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	17	0.29
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	1	0.29
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	1	0.29
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	16	0.29
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	16	0.29
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	2	0.29
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	2	0.29
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	9	0.29
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	13	0.29
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	5	0.29
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	9	0.29
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	2	0.29
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	2	0.29
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	2	0.29
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	4	0.29
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	4	0.29
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	4	0.29
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	7	0.29
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	7	0.29
(1,1653)	1:75:A:HIS:HA	1:159:A:ALA:H	17	0.29
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	19	0.29
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	19	0.29
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	19	0.29
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	4	0.29
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	4	0.29
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	3	0.29
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	3	0.29
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	12	0.29
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	12	0.29
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	14	0.29
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	14	0.29
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	17	0.29
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	5	0.29
(1,1337)	1:54:A:LEU:HD21	1:55:A:GLU:H	7	0.29
(1,1337)	1:54:A:LEU:HD22	1:55:A:GLU:H	7	0.29
(1,1337)	1:54:A:LEU:HD23	1:55:A:GLU:H	7	0.29
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	9	0.29
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	9	0.29
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	9	0.29
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	15	0.29
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	15	0.29
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	15	0.29
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	20	0.29
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	20	0.29
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	20	0.29
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	3	0.29
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	3	0.29
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	3	0.29
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	5	0.29
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	5	0.29
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	5	0.29
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	5	0.29
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	5	0.29
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	5	0.29
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	5	0.29
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	5	0.29
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	5	0.29
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	4	0.29
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	4	0.29
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	4	0.29
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	4	0.29
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	4	0.29
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	9	0.29
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	9	0.29
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	13	0.29
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	13	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	10	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	10	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	15	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	15	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	15	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	17	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	17	0.29
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	17	0.29
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	2	0.29
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	8	0.29
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	10	0.29
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	14	0.29
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	17	0.29
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	17	0.29
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	17	0.29
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	19	0.29
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	19	0.29
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	19	0.29
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	5	0.29
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	5	0.29
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	6	0.29
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	6	0.29
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	6	0.29
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	8	0.29
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	4	0.29
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	4	0.29
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	16	0.29
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	16	0.29
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	12	0.29
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	12	0.29
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	16	0.29
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	16	0.29
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	6	0.29
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	6	0.29
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	20	0.29
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	20	0.29
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	6	0.29
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	6	0.29
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	19	0.29
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	19	0.29
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	19	0.29
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	19	0.29
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	19	0.29
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	8	0.29
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	16	0.29
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	16	0.29
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	9	0.29
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	9	0.29
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	19	0.29
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	19	0.29
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	3	0.29
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	3	0.29
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	2	0.29
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	2	0.29
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	19	0.29
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	19	0.29
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	7	0.29
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	10	0.29
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	11	0.29
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	9	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	1	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	1	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	1	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	2	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	2	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	2	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	3	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	3	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	3	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	4	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	4	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	4	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	6	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	6	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	6	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	7	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	7	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	7	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	8	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	8	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	8	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	9	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	9	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	11	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	11	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	11	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	12	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	12	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	12	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	13	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	13	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	13	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	16	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	16	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	16	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	19	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	19	0.29
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	19	0.29
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	3	0.29
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	3	0.29
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	10	0.29
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	10	0.29
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	5	0.29
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	5	0.29
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	9	0.29
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	9	0.29
(1,588)	1:21:A:LEU:H	1:21:A:LEU:HB3	5	0.29
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	5	0.29
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	10	0.29
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	9	0.29
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	9	0.29
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	2	0.29
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	2	0.29
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	2	0.29
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	2	0.29
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	2	0.29
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	2	0.29
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	13	0.29
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	2	0.29
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	2	0.29
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	2	0.29
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	6	0.29
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	8	0.29
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	16	0.29
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	20	0.29
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	5	0.29
(1,412)	1:12:A:ILE:H	1:17:A:GLN:H	7	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	9	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	10	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	11	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	12	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	13	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	14	0.29
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	19	0.29
(1,399)	1:12:A:ILE:HG21	1:48:A:LYS:H	9	0.29
(1,399)	1:12:A:ILE:HG22	1:48:A:LYS:H	9	0.29
(1,399)	1:12:A:ILE:HG23	1:48:A:LYS:H	9	0.29
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	13	0.29
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	13	0.29
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	13	0.29
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	17	0.29
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	17	0.29
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	17	0.29
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	19	0.29
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	19	0.29
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	19	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	1	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	1	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	1	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	3	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	3	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	3	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	9	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	9	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	9	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	10	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	10	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	10	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	11	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	11	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	11	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	13	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	13	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	13	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	16	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	16	0.29
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	18	0.29
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	18	0.29
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	18	0.29
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	7	0.29
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	20	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	2	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	2	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	2	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	14	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	14	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	14	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	19	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	19	0.29
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	19	0.29
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	16	0.29
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	8	0.29
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	8	0.29
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	8	0.29
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	16	0.29
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	16	0.29
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	16	0.29
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	7	0.29
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	7	0.29
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	7	0.29
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	18	0.29
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	18	0.29
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	18	0.29
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	20	0.29
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	20	0.29
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	20	0.29
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	11	0.29
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	2	0.29
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	2	0.29
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	2	0.29
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	14	0.29
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	14	0.29
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	14	0.29
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	15	0.29
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	15	0.29
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	18	0.29
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	18	0.29
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	18	0.29
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	19	0.29
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	19	0.29
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	19	0.29
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	16	0.29
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	5	0.29
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	5	0.29
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	5	0.29
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	9	0.29
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	9	0.29
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	9	0.29
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	20	0.29
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	20	0.29
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	20	0.29
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	5	0.28
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	13	0.28
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	1	0.28
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	1	0.28
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	3	0.28
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	4	0.28
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	6	0.28
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	4	0.28
(1,3055)	1:161:A:ASP:H	1:161:A:ASP:HB3	1	0.28
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	5	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	4	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	4	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	4	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	6	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	6	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	6	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	11	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	11	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	11	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	13	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	13	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	13	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	14	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	14	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	14	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	20	0.28
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	20	0.28
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	10	0.28
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	16	0.28
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	1	0.28
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	1	0.28
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	1	0.28
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	1	0.28
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	1	0.28
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	1	0.28
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	8	0.28
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	8	0.28
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	8	0.28
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	8	0.28
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	8	0.28
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	8	0.28
(1,2951)	1:153:A:ASN:HA	1:154:A:ILE:HG13	6	0.28
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	4	0.28
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	12	0.28
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	19	0.28
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	19	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	4	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	4	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	4	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	4	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	4	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	4	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	13	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	13	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	13	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	13	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	13	0.28
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	13	0.28
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	18	0.28
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	18	0.28
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	6	0.28
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	6	0.28
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	18	0.28
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	2	0.28
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	12	0.28
(1,2745)	1:122:A:LEU:HG	1:123:A:GLU:H	11	0.28
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	9	0.28
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	19	0.28
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	19	0.28
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	19	0.28
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	19	0.28
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	19	0.28
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	19	0.28
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	4	0.28
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	4	0.28
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	4	0.28
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	4	0.28
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	4	0.28
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	4	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	8	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	8	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	8	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	8	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	8	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	8	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	10	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	10	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	10	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	10	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	10	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	10	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	11	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	11	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	11	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	11	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	11	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	11	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	19	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	19	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	19	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	19	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	19	0.28
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	19	0.28
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	5	0.28
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	5	0.28
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	5	0.28
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	15	0.28
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	15	0.28
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	7	0.28
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	13	0.28
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	2	0.28
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	13	0.28
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	13	0.28
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	13	0.28
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	15	0.28
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	15	0.28
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	15	0.28
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	3	0.28
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	5	0.28
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	8	0.28
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	11	0.28
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	15	0.28
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	7	0.28
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	8	0.28
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	10	0.28
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	16	0.28
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	13	0.28
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	13	0.28
(1,2343)	1:101:A:GLY:HA2	1:102:A:ARG:HA	18	0.28
(1,2343)	1:101:A:GLY:HA3	1:102:A:ARG:HA	18	0.28
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	4	0.28
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	20	0.28
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	20	0.28
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	16	0.28
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	16	0.28
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	16	0.28
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	5	0.28
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	5	0.28
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	5	0.28
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	5	0.28
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	5	0.28
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	5	0.28
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	7	0.28
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	7	0.28
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	7	0.28
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	7	0.28
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	7	0.28
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	7	0.28
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	7	0.28
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	7	0.28
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	7	0.28
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	7	0.28
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	7	0.28
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	10	0.28
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	11	0.28
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	11	0.28
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	11	0.28
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	11	0.28
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	11	0.28
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	11	0.28
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	10	0.28
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	18	0.28
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	1	0.28
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	7	0.28
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	5	0.28
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	8	0.28
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	11	0.28
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	14	0.28
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	2	0.28
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	2	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	1	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	1	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	3	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	3	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	4	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	4	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	15	0.28
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	15	0.28
(1,1994)	1:83:A:ASP:HB2	1:149:A:LEU:HG	13	0.28
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	9	0.28
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	7	0.28
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	10	0.28
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	15	0.28
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	19	0.28
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	3	0.28
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	4	0.28
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	11	0.28
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	16	0.28
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	10	0.28
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	14	0.28
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	16	0.28
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	17	0.28
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	11	0.28
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	11	0.28
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	14	0.28
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	14	0.28
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	15	0.28
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	15	0.28
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	17	0.28
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	17	0.28
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	1	0.28
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	1	0.28
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	3	0.28
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	3	0.28
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	5	0.28
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	3	0.28
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	3	0.28
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	3	0.28
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	10	0.28
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	10	0.28
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	10	0.28
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE1	10	0.28
(1,1769)	1:77:A:ILE:H	1:156:A:TYR:HE2	10	0.28
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	10	0.28
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	10	0.28
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	10	0.28
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	10	0.28
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	10	0.28
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	10	0.28
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	19	0.28
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	19	0.28
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	19	0.28
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	1	0.28
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	1	0.28
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	1	0.28
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	8	0.28
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	14	0.28
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	18	0.28
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	18	0.28
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	18	0.28
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG21	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG22	8	0.28
(1,1464)	1:63:A:ASP:HB2	1:64:A:ILE:HG23	8	0.28
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG21	8	0.28
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG22	8	0.28
(1,1464)	1:63:A:ASP:HB3	1:64:A:ILE:HG23	8	0.28
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	9	0.28
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	9	0.28
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	6	0.28
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	20	0.28
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	8	0.28
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	5	0.28
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	5	0.28
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	5	0.28
(1,1337)	1:54:A:LEU:HD21	1:55:A:GLU:H	3	0.28
(1,1337)	1:54:A:LEU:HD22	1:55:A:GLU:H	3	0.28
(1,1337)	1:54:A:LEU:HD23	1:55:A:GLU:H	3	0.28
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD21	7	0.28
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD22	7	0.28
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD23	7	0.28
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	8	0.28
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	8	0.28
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	8	0.28
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	3	0.28
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	3	0.28
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	3	0.28
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	7	0.28
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	7	0.28
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	7	0.28
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	10	0.28
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	10	0.28
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	10	0.28
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	7	0.28
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	7	0.28
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	7	0.28
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	20	0.28
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	20	0.28
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	20	0.28
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	13	0.28
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	13	0.28
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	13	0.28
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	13	0.28
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	13	0.28
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	18	0.28
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	18	0.28
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	18	0.28
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	18	0.28
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	18	0.28
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	18	0.28
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	7	0.28
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	7	0.28
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	7	0.28
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	10	0.28
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	10	0.28
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	10	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	4	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	4	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	4	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	4	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	4	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	4	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	7	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	7	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	7	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	7	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	7	0.28
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	7	0.28
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	12	0.28
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	12	0.28
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	12	0.28
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	20	0.28
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	20	0.28
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	20	0.28
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	3	0.28
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	3	0.28
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	3	0.28
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	3	0.28
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	12	0.28
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	15	0.28
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	19	0.28
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	10	0.28
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	10	0.28
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	10	0.28
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	3	0.28
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	3	0.28
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	15	0.28
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	15	0.28
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	18	0.28
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	18	0.28
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	19	0.28
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	19	0.28
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	18	0.28
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	18	0.28
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	19	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	5	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	5	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	5	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	5	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	5	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	5	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	12	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	12	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	12	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	12	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	12	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	12	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	18	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	18	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	18	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	18	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	18	0.28
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	18	0.28
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	5	0.28
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	11	0.28
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	14	0.28
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	15	0.28
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	2	0.28
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	9	0.28
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	11	0.28
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	8	0.28
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	14	0.28
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	14	0.28
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	6	0.28
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	6	0.28
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	13	0.28
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	10	0.28
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	10	0.28
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	4	0.28
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	6	0.28
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	12	0.28
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	1	0.28
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	1	0.28
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	17	0.28
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	17	0.28
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	12	0.28
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	3	0.28
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	3	0.28
(1,766)	1:29:A:GLU:HG2	1:44:A:LYS:HG3	14	0.28
(1,766)	1:29:A:GLU:HG3	1:44:A:LYS:HG3	14	0.28
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	8	0.28
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	11	0.28
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	19	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	10	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	10	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	10	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	14	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	14	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	14	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	15	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	15	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	15	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	17	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	17	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	17	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	20	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	20	0.28
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	20	0.28
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	1	0.28
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	1	0.28
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	1	0.28
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	1	0.28
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	16	0.28
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	16	0.28
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	16	0.28
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	16	0.28
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	8	0.28
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	16	0.28
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	16	0.28
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	4	0.28
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	4	0.28
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	13	0.28
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	13	0.28
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	1	0.28
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	3	0.28
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	11	0.28
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	15	0.28
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	2	0.28
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	2	0.28
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	13	0.28
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	13	0.28
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	14	0.28
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	14	0.28
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	15	0.28
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	15	0.28
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	15	0.28
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	15	0.28
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	15	0.28
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	15	0.28
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	5	0.28
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	5	0.28
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	4	0.28
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	7	0.28
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	2	0.28
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	4	0.28
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	6	0.28
(1,406)	1:12:A:ILE:H	1:13:A:ASP:H	16	0.28
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	11	0.28
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	11	0.28
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	11	0.28
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	18	0.28
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	18	0.28
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	18	0.28
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	20	0.28
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	20	0.28
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	20	0.28
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	5	0.28
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	5	0.28
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	8	0.28
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	8	0.28
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	8	0.28
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	15	0.28
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	15	0.28
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	15	0.28
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	3	0.28
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	3	0.28
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	3	0.28
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	3	0.28
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	3	0.28
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	3	0.28
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	3	0.28
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	3	0.28
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	3	0.28
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	3	0.28
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	3	0.28
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	3	0.28
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	18	0.28
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	18	0.28
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	18	0.28
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	1	0.28
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	1	0.28
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	1	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	8	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	8	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	8	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	12	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	12	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	12	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	13	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	13	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	13	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	20	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	20	0.28
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	20	0.28
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	1	0.28
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	3	0.28
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	20	0.28
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	20	0.28
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	8	0.28
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	8	0.28
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	7	0.28
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	7	0.28
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	7	0.28
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	14	0.28
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	14	0.28
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	14	0.28
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	4	0.28
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	4	0.28
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	4	0.28
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	1	0.28
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	15	0.28
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	15	0.28
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	15	0.28
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	4	0.28
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	4	0.28
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	4	0.28
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	9	0.28
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	9	0.28
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	9	0.28
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	13	0.28
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	13	0.28
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	13	0.28
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	1	0.28
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	1	0.28
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	1	0.28
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	3	0.28
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	3	0.28
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	10	0.28
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	10	0.28
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	17	0.28
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	17	0.28
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	17	0.28
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	9	0.28
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	9	0.28
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	8	0.27
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	17	0.27
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	13	0.27
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	8	0.27
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	14	0.27
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	14	0.27
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	1	0.27
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	19	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	1	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	1	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	1	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	8	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	8	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	8	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	12	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	12	0.27
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	12	0.27
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	1	0.27
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	20	0.27
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	6	0.27
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	6	0.27
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	6	0.27
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	8	0.27
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	8	0.27
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	8	0.27
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	5	0.27
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	5	0.27
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	5	0.27
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	5	0.27
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	5	0.27
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	5	0.27
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	6	0.27
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	6	0.27
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	6	0.27
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	6	0.27
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	6	0.27
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	6	0.27
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	10	0.27
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	10	0.27
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	10	0.27
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	10	0.27
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	10	0.27
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	10	0.27
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	20	0.27
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	20	0.27
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	9	0.27
(1,2932)	1:151:A:ILE:H	1:151:A:ILE:HG12	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	8	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	12	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	12	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	12	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	12	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	12	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	12	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	19	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	19	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	19	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	19	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	19	0.27
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	19	0.27
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	3	0.27
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	3	0.27
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	15	0.27
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	15	0.27
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	15	0.27
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	15	0.27
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	2	0.27
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	2	0.27
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	3	0.27
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	10	0.27
(1,2728)	1:122:A:LEU:HA	1:122:A:LEU:HG	16	0.27
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB2	17	0.27
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB3	17	0.27
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB2	17	0.27
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB3	17	0.27
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	3	0.27
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	3	0.27
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	16	0.27
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	16	0.27
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	18	0.27
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	1	0.27
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	12	0.27
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	18	0.27
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	10	0.27
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	10	0.27
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	10	0.27
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	10	0.27
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	10	0.27
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	14	0.27
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	14	0.27
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	14	0.27
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	14	0.27
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	14	0.27
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	14	0.27
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	6	0.27
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	6	0.27
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	6	0.27
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	6	0.27
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	6	0.27
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	6	0.27
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	6	0.27
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	6	0.27
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	6	0.27
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	6	0.27
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	6	0.27
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	6	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	2	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	2	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	2	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	2	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	2	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	2	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	4	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	4	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	4	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	4	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	4	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	4	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	17	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	17	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	17	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	17	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	17	0.27
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	17	0.27
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	2	0.27
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	2	0.27
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	2	0.27
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	4	0.27
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	4	0.27
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:116:A:LYS:HG2	1:151:A:ILE:H	8	0.27
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	16	0.27
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	16	0.27
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	16	0.27
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	16	0.27
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	16	0.27
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	16	0.27
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	17	0.27
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	17	0.27
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	17	0.27
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	17	0.27
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	17	0.27
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	17	0.27
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	8	0.27
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	8	0.27
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	9	0.27
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	9	0.27
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	14	0.27
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	14	0.27
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG21	8	0.27
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG22	8	0.27
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG23	8	0.27
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG21	8	0.27
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG22	8	0.27
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG23	8	0.27
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	4	0.27
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	5	0.27
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	3	0.27
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	3	0.27
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	3	0.27
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	3	0.27
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	5	0.27
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	5	0.27
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	5	0.27
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	5	0.27
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	16	0.27
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	16	0.27
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	16	0.27
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	16	0.27
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	8	0.27
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	8	0.27
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	1	0.27
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	6	0.27
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	7	0.27
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	12	0.27
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	1	0.27
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	1	0.27
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	17	0.27
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	20	0.27
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	8	0.27
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	13	0.27
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	13	0.27
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	13	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	1	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	3	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	6	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	9	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	11	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	12	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	13	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	15	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	17	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	18	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	19	0.27
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	20	0.27
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	12	0.27
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	12	0.27
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	12	0.27
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	19	0.27
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	6	0.27
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	10	0.27
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	7	0.27
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	7	0.27
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	7	0.27
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	7	0.27
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	20	0.27
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	20	0.27
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	20	0.27
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	20	0.27
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	7	0.27
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	7	0.27
(1,2259)	1:97:A:VAL:HG11	1:99:A:GLU:HG3	8	0.27
(1,2259)	1:97:A:VAL:HG12	1:99:A:GLU:HG3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2259)	1:97:A:VAL:HG13	1:99:A:GLU:HG3	8	0.27
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	4	0.27
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	4	0.27
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	4	0.27
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	4	0.27
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	4	0.27
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	4	0.27
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	6	0.27
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	6	0.27
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	6	0.27
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	6	0.27
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	6	0.27
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	6	0.27
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	13	0.27
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	13	0.27
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	13	0.27
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	13	0.27
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	13	0.27
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	13	0.27
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	15	0.27
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	15	0.27
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	15	0.27
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	15	0.27
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	15	0.27
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	15	0.27
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	9	0.27
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	9	0.27
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	9	0.27
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	9	0.27
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	9	0.27
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	9	0.27
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	9	0.27
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	9	0.27
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	9	0.27
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	9	0.27
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	9	0.27
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	9	0.27
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	4	0.27
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	4	0.27
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	4	0.27
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	4	0.27
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	4	0.27
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	14	0.27
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	14	0.27
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	14	0.27
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	14	0.27
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	14	0.27
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	14	0.27
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	2	0.27
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	7	0.27
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	7	0.27
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	7	0.27
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	7	0.27
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	7	0.27
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	7	0.27
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	3	0.27
(1,2122)	1:91:A:VAL:HB	1:109:A:PHE:HB2	20	0.27
(1,2122)	1:91:A:VAL:HB	1:109:A:PHE:HB3	20	0.27
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	16	0.27
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	3	0.27
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	3	0.27
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	9	0.27
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	9	0.27
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	12	0.27
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	12	0.27
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	18	0.27
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	18	0.27
(1,1992)	1:83:A:ASP:HB3	1:149:A:LEU:HG	10	0.27
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	8	0.27
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	16	0.27
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	2	0.27
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	2	0.27
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	1	0.27
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	2	0.27
(1,1946)	1:81:A:LEU:H	1:81:A:LEU:HG	4	0.27
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	2	0.27
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	5	0.27
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	13	0.27
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	19	0.27
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	6	0.27
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	6	0.27
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	6	0.27
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	9	0.27
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	9	0.27
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	19	0.27
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	19	0.27
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	19	0.27
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	7	0.27
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	11	0.27
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	4	0.27
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	2	0.27
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	2	0.27
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	9	0.27
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	9	0.27
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	14	0.27
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	14	0.27
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	4	0.27
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	4	0.27
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	5	0.27
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	5	0.27
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	10	0.27
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	10	0.27
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	11	0.27
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	20	0.27
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	18	0.27
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	17	0.27
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	17	0.27
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	17	0.27
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	6	0.27
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	5	0.27
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	5	0.27
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	9	0.27
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	9	0.27
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	9	0.27
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	9	0.27
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	9	0.27
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	9	0.27
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	9	0.27
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	9	0.27
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	9	0.27
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	18	0.27
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	18	0.27
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	18	0.27
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	19	0.27
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	3	0.27
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	3	0.27
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	3	0.27
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	3	0.27
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	3	0.27
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	3	0.27
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	16	0.27
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	18	0.27
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	18	0.27
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	1	0.27
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	3	0.27
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	7	0.27
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	19	0.27
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	9	0.27
(1,1374)	1:56:A:THR:H	1:56:A:THR:HB	8	0.27
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	10	0.27
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	16	0.27
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	7	0.27
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	7	0.27
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	7	0.27
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	17	0.27
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	17	0.27
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	17	0.27
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	13	0.27
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	13	0.27
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	13	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	1	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	1	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	1	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	9	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	9	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	9	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	13	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	13	0.27
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	13	0.27
(1,1197)	1:49:A:VAL:HG11	1:62:A:THR:H	11	0.27
(1,1197)	1:49:A:VAL:HG12	1:62:A:THR:H	11	0.27
(1,1197)	1:49:A:VAL:HG13	1:62:A:THR:H	11	0.27
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	6	0.27
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	6	0.27
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	6	0.27
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	6	0.27
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	6	0.27
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	3	0.27
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	3	0.27
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	15	0.27
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	15	0.27
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	11	0.27
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	11	0.27
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	11	0.27
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	9	0.27
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	9	0.27
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	9	0.27
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	9	0.27
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	9	0.27
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	9	0.27
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	14	0.27
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	14	0.27
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	14	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	1	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	1	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	1	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	2	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	2	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	2	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	4	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	4	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	4	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	12	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	12	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	12	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	14	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	14	0.27
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	14	0.27
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	5	0.27
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	17	0.27
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	1	0.27
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	1	0.27
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	1	0.27
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	1	0.27
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	1	0.27
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	1	0.27
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	1	0.27
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	10	0.27
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	10	0.27
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	12	0.27
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	12	0.27
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	15	0.27
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	15	0.27
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	16	0.27
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	3	0.27
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	3	0.27
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	3	0.27
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	3	0.27
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	3	0.27
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	3	0.27
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	17	0.27
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	17	0.27
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	17	0.27
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	17	0.27
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	17	0.27
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	17	0.27
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	20	0.27
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	20	0.27
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	20	0.27
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	20	0.27
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	20	0.27
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	20	0.27
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	4	0.27
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	6	0.27
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	13	0.27
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	3	0.27
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	3	0.27
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	14	0.27
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	14	0.27
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	19	0.27
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	19	0.27
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	9	0.27
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	9	0.27
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	1	0.27
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	11	0.27
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	7	0.27
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	1	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	1	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	9	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	9	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	11	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	11	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	14	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	14	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	15	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	15	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	17	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	17	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	20	0.27
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	20	0.27
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	11	0.27
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	6	0.27
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	15	0.27
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	15	0.27
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	13	0.27
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	14	0.27
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	20	0.27
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	3	0.27
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	3	0.27
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	15	0.27
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	2	0.27
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	4	0.27
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	6	0.27
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	13	0.27
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD21	5	0.27
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD22	5	0.27
(1,688)	1:27:A:LEU:HB3	1:27:A:LEU:HD23	5	0.27
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	3	0.27
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	3	0.27
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	3	0.27
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG2	19	0.27
(1,646)	1:25:A:TYR:HA	1:26:A:GLU:HG3	19	0.27
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	5	0.27
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	5	0.27
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	2	0.27
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	3	0.27
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	5	0.27
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	6	0.27
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	17	0.27
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	8	0.27
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	13	0.27
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	1	0.27
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	1	0.27
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	1	0.27
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	6	0.27
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	6	0.27
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	8	0.27
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	8	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	9	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	9	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	9	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	9	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	9	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	9	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	12	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	12	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	12	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	12	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	12	0.27
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	12	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	2	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	5	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	6	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	8	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	11	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	15	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	17	0.27
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	20	0.27
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	12	0.27
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	2	0.27
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	14	0.27
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	4	0.27
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	4	0.27
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	4	0.27
(1,390)	1:12:A:ILE:HG21	1:15:A:VAL:HB	9	0.27
(1,390)	1:12:A:ILE:HG22	1:15:A:VAL:HB	9	0.27
(1,390)	1:12:A:ILE:HG23	1:15:A:VAL:HB	9	0.27
(1,389)	1:12:A:ILE:HG21	1:14:A:GLY:H	19	0.27
(1,389)	1:12:A:ILE:HG22	1:14:A:GLY:H	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:12:A:ILE:HG23	1:14:A:GLY:H	19	0.27
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	1	0.27
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	1	0.27
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	1	0.27
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	1	0.27
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	1	0.27
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	1	0.27
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	1	0.27
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	1	0.27
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	1	0.27
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	1	0.27
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	1	0.27
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	1	0.27
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	3	0.27
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	3	0.27
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	3	0.27
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	15	0.27
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	15	0.27
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	15	0.27
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	8	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	1	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	1	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	1	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	4	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	4	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	4	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	10	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	10	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	10	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	16	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	16	0.27
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	16	0.27
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	13	0.27
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	13	0.27
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	13	0.27
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	12	0.27
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	12	0.27
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	12	0.27
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	12	0.27
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	12	0.27
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	12	0.27
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	12	0.27
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	12	0.27
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	12	0.27
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	12	0.27
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	12	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	4	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	4	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	6	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	6	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	13	0.27
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	13	0.27
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	16	0.27
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	16	0.27
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	16	0.27
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	16	0.27
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	16	0.27
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	16	0.27
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	1	0.27
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	1	0.27
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	1	0.27
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	9	0.27
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	9	0.27
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	9	0.27
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	17	0.27
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	17	0.27
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	17	0.27
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	9	0.27
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	9	0.27
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	9	0.27
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	2	0.27
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	3	0.27
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	3	0.27
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	3	0.27
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	7	0.27
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	7	0.27
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	7	0.27
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	12	0.27
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	12	0.27
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	12	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	2	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	2	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	4	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	4	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	4	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	6	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	6	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	6	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	16	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	16	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	16	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	20	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	20	0.27
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	20	0.27
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	5	0.27
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	5	0.27
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	9	0.26
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	3	0.26
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	10	0.26
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	15	0.26
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	15	0.26
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	15	0.26
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	5	0.26
(1,3123)	1:175:A:VAL:HA	1:176:A:ILE:HA	11	0.26
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	1	0.26
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	1	0.26
(1,3035)	1:158:A:ARG:HG2	1:159:A:ALA:H	18	0.26
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	12	0.26
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	9	0.26
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	16	0.26
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	16	0.26
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	16	0.26
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	16	0.26
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	16	0.26
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	16	0.26
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	9	0.26
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	9	0.26
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	9	0.26
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	20	0.26
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	20	0.26
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	20	0.26
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	20	0.26
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	20	0.26
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	16	0.26
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	16	0.26
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	16	0.26
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	16	0.26
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	16	0.26
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	16	0.26
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	3	0.26
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	3	0.26
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	12	0.26
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	12	0.26
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	13	0.26
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	13	0.26
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	20	0.26
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD11	17	0.26
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD12	17	0.26
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD13	17	0.26
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD21	17	0.26
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD22	17	0.26
(1,2812)	1:140:A:LEU:HA	1:140:A:LEU:HD23	17	0.26
(1,2810)	1:139:A:ASN:HB2	1:140:A:LEU:HB2	14	0.26
(1,2810)	1:139:A:ASN:HB2	1:140:A:LEU:HB3	14	0.26
(1,2810)	1:139:A:ASN:HB3	1:140:A:LEU:HB2	14	0.26
(1,2810)	1:139:A:ASN:HB3	1:140:A:LEU:HB3	14	0.26
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	12	0.26
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	12	0.26
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	12	0.26
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	17	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	1	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	1	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	1	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	1	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	1	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	1	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	20	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	20	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	20	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	20	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	20	0.26
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	20	0.26
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	4	0.26
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	4	0.26
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	4	0.26
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	4	0.26
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	4	0.26
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	12	0.26
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	12	0.26
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	12	0.26
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	13	0.26
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	13	0.26
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	13	0.26
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	14	0.26
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	14	0.26
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	14	0.26
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	20	0.26
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	20	0.26
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	20	0.26
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	20	0.26
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	20	0.26
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	20	0.26
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	7	0.26
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	7	0.26
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	7	0.26
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	4	0.26
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	4	0.26
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	4	0.26
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	14	0.26
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	14	0.26
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	7	0.26
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	7	0.26
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	16	0.26
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	16	0.26
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	9	0.26
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	14	0.26
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	18	0.26
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	20	0.26
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	3	0.26
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	3	0.26
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	6	0.26
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	12	0.26
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	6	0.26
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	2	0.26
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	4	0.26
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	14	0.26
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	3	0.26
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	3	0.26
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	11	0.26
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	11	0.26
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	15	0.26
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	15	0.26
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	13	0.26
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	20	0.26
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	2	0.26
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	5	0.26
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	13	0.26
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	20	0.26
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	14	0.26
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	14	0.26
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	14	0.26
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	14	0.26
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	14	0.26
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	14	0.26
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	16	0.26
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	16	0.26
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	10	0.26
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	10	0.26
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	10	0.26
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	18	0.26
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	18	0.26
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	18	0.26
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	18	0.26
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	18	0.26
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	18	0.26
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	15	0.26
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	15	0.26
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	15	0.26
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	15	0.26
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	15	0.26
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	15	0.26
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	5	0.26
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	5	0.26
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	5	0.26
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	5	0.26
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	5	0.26
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	11	0.26
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	11	0.26
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	11	0.26
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	11	0.26
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	11	0.26
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	11	0.26
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	19	0.26
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	19	0.26
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	19	0.26
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	19	0.26
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	19	0.26
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	19	0.26
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	14	0.26
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	14	0.26
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	14	0.26
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	14	0.26
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	14	0.26
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	14	0.26
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	15	0.26
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	15	0.26
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	15	0.26
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	15	0.26
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	15	0.26
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	15	0.26
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	7	0.26
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	12	0.26
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	7	0.26
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	7	0.26
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	7	0.26
(1,2134)	1:91:A:VAL:HG11	1:109:A:PHE:HB2	15	0.26
(1,2134)	1:91:A:VAL:HG12	1:109:A:PHE:HB2	15	0.26
(1,2134)	1:91:A:VAL:HG13	1:109:A:PHE:HB2	15	0.26
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	16	0.26
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	13	0.26
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	7	0.26
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	10	0.26
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	10	0.26
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	17	0.26
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	5	0.26
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	5	0.26
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	5	0.26
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	12	0.26
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	12	0.26
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	8	0.26
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	2	0.26
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	5	0.26
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	10	0.26
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	11	0.26
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	19	0.26
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	13	0.26
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	6	0.26
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	6	0.26
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	12	0.26
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	12	0.26
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	6	0.26
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	6	0.26
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	7	0.26
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	7	0.26
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	8	0.26
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	8	0.26
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	17	0.26
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	17	0.26
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	20	0.26
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	20	0.26
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	1	0.26
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	15	0.26
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	11	0.26
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	11	0.26
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	11	0.26
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	15	0.26
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	15	0.26
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	15	0.26
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	4	0.26
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	8	0.26
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	5	0.26
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	5	0.26
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	5	0.26
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	5	0.26
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	5	0.26
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	5	0.26
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	17	0.26
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	17	0.26
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	17	0.26
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	17	0.26
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	17	0.26
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	1	0.26
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	15	0.26
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	15	0.26
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	15	0.26
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	15	0.26
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	15	0.26
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	15	0.26
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	15	0.26
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	15	0.26
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	15	0.26
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	15	0.26
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	15	0.26
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	15	0.26
(1,1532)	1:67:A:VAL:HG11	1:68:A:ILE:HB	3	0.26
(1,1532)	1:67:A:VAL:HG12	1:68:A:ILE:HB	3	0.26
(1,1532)	1:67:A:VAL:HG13	1:68:A:ILE:HB	3	0.26
(1,1532)	1:67:A:VAL:HG21	1:68:A:ILE:HB	3	0.26
(1,1532)	1:67:A:VAL:HG22	1:68:A:ILE:HB	3	0.26
(1,1532)	1:67:A:VAL:HG23	1:68:A:ILE:HB	3	0.26
(1,1520)	1:65:A:GLU:H	1:170:A:LYS:H	14	0.26
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	8	0.26
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	9	0.26
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	14	0.26
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	4	0.26
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	4	0.26
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	4	0.26
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	11	0.26
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	12	0.26
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	16	0.26
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	18	0.26
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	1	0.26
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	7	0.26
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	13	0.26
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	13	0.26
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	13	0.26
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	9	0.26
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	9	0.26
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	9	0.26
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	10	0.26
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	10	0.26
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	6	0.26
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	6	0.26
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	6	0.26
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	11	0.26
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	11	0.26
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	11	0.26
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	3	0.26
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	3	0.26
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	3	0.26
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	3	0.26
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	3	0.26
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	3	0.26
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	20	0.26
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	20	0.26
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	20	0.26
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	20	0.26
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	20	0.26
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	20	0.26
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	18	0.26
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	18	0.26
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	18	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	13	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	13	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	13	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	13	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	13	0.26
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	13	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	2	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	2	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	2	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	3	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	3	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	3	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	11	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	11	0.26
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	11	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	6	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	6	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	6	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	7	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	7	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	11	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	11	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	11	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	16	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	16	0.26
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	16	0.26
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	7	0.26
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	18	0.26
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	18	0.26
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	18	0.26
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	18	0.26
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	18	0.26
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	18	0.26
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	18	0.26
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	13	0.26
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	13	0.26
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	13	0.26
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	18	0.26
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	18	0.26
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	18	0.26
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	18	0.26
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	18	0.26
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	18	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	7	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	7	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	11	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	11	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	13	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	13	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	17	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	17	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	20	0.26
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	20	0.26
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	20	0.26
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	20	0.26
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	11	0.26
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	11	0.26
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	17	0.26
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	17	0.26
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	1	0.26
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	3	0.26
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	7	0.26
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	10	0.26
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	18	0.26
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	18	0.26
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	18	0.26
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	18	0.26
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	18	0.26
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	18	0.26
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	2	0.26
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	7	0.26
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	9	0.26
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	16	0.26
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	13	0.26
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	13	0.26
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	12	0.26
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	12	0.26
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	3	0.26
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	3	0.26
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	16	0.26
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	16	0.26
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	5	0.26
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	16	0.26
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	16	0.26
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	10	0.26
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	13	0.26
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	10	0.26
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	10	0.26
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	16	0.26
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	20	0.26
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	6	0.26
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	6	0.26
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	13	0.26
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	16	0.26
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	17	0.26
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	7	0.26
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	7	0.26
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	4	0.26
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	13	0.26
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	1	0.26
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	11	0.26
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	2	0.26
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	2	0.26
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	8	0.26
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	12	0.26
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	12	0.26
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	12	0.26
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	12	0.26
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	12	0.26
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	12	0.26
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	1	0.26
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	1	0.26
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	1	0.26
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	16	0.26
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	16	0.26
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	16	0.26
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	16	0.26
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	16	0.26
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	16	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD11	14	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD12	14	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD13	14	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD21	14	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD22	14	0.26
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD23	14	0.26
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	3	0.26
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	3	0.26
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	5	0.26
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	5	0.26
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	7	0.26
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	7	0.26
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	11	0.26
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	11	0.26
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	15	0.26
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	15	0.26
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	13	0.26
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	13	0.26
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	13	0.26
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	10	0.26
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	12	0.26
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	16	0.26
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	8	0.26
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	13	0.26
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	17	0.26
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	17	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	3	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	3	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	3	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	15	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	15	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	15	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	16	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	16	0.26
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	16	0.26
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	11	0.26
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	11	0.26
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	11	0.26
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	11	0.26
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	13	0.26
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	19	0.26
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	10	0.26
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	10	0.26
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	10	0.26
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	10	0.26
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	10	0.26
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	10	0.26
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	10	0.26
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	10	0.26
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	10	0.26
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	10	0.26
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	10	0.26
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	10	0.26
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	3	0.26
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	3	0.26
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	18	0.26
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	18	0.26
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	14	0.26
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	14	0.26
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	14	0.26
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	13	0.26
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	13	0.26
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	13	0.26
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	1	0.26
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	1	0.26
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	17	0.26
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	5	0.26
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	5	0.26
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	17	0.26
(1,37)	1:3:A:PRO:HD2	1:89:A:THR:HA	20	0.26
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	2	0.26
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	2	0.26
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	3	0.25
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	3	0.25
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	3	0.25
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	3	0.25
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	3	0.25
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	3	0.25
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	4	0.25
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	6	0.25
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	11	0.25
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	18	0.25
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	20	0.25
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	19	0.25
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	7	0.25
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	13	0.25
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	17	0.25
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	20	0.25
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	18	0.25
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	18	0.25
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	18	0.25
(1,3055)	1:161:A:ASP:H	1:161:A:ASP:HB3	10	0.25
(1,3044)	1:159:A:ALA:HB1	1:161:A:ASP:H	17	0.25
(1,3044)	1:159:A:ALA:HB2	1:161:A:ASP:H	17	0.25
(1,3044)	1:159:A:ALA:HB3	1:161:A:ASP:H	17	0.25
(1,3028)	1:158:A:ARG:HA	1:159:A:ALA:H	2	0.25
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	15	0.25
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	18	0.25
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	5	0.25
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	5	0.25
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	5	0.25
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	9	0.25
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	9	0.25
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	9	0.25
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	7	0.25
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	15	0.25
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	9	0.25
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	9	0.25
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	9	0.25
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	9	0.25
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	9	0.25
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	9	0.25
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	6	0.25
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	17	0.25
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	1	0.25
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	1	0.25
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	1	0.25
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	1	0.25
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	1	0.25
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	1	0.25
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	5	0.25
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	5	0.25
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	5	0.25
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	5	0.25
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	5	0.25
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	5	0.25
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	8	0.25
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	8	0.25
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	13	0.25
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	13	0.25
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	13	0.25
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	13	0.25
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	1	0.25
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	17	0.25
(1,2772)	1:125:A:VAL:HG11	1:126:A:GLU:H	12	0.25
(1,2772)	1:125:A:VAL:HG12	1:126:A:GLU:H	12	0.25
(1,2772)	1:125:A:VAL:HG13	1:126:A:GLU:H	12	0.25
(1,2772)	1:125:A:VAL:HG21	1:126:A:GLU:H	12	0.25
(1,2772)	1:125:A:VAL:HG22	1:126:A:GLU:H	12	0.25
(1,2772)	1:125:A:VAL:HG23	1:126:A:GLU:H	12	0.25
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	12	0.25
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	15	0.25
(1,2745)	1:122:A:LEU:HG	1:123:A:GLU:H	5	0.25
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	19	0.25
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	19	0.25
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	5	0.25
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	17	0.25
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	17	0.25
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	13	0.25
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	16	0.25
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	20	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	7	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	7	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	7	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	7	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	7	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	7	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	13	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	13	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	13	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	13	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	13	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	13	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	14	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	14	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	14	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	14	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	14	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	14	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	15	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	15	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	15	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	15	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	15	0.25
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	15	0.25
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	13	0.25
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	13	0.25
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	13	0.25
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	13	0.25
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	13	0.25
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	13	0.25
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	1	0.25
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	1	0.25
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	1	0.25
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	9	0.25
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	9	0.25
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	19	0.25
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	19	0.25
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	19	0.25
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	19	0.25
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	19	0.25
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	19	0.25
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	11	0.25
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	11	0.25
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	15	0.25
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	15	0.25
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	20	0.25
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	1	0.25
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	6	0.25
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	15	0.25
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	2	0.25
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	2	0.25
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	2	0.25
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	2	0.25
(1,2495)	1:111:A:VAL:H	1:112:A:LYS:H	19	0.25
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	19	0.25
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	19	0.25
(1,2475)	1:110:A:GLU:HG2	1:111:A:VAL:H	2	0.25
(1,2475)	1:110:A:GLU:HG3	1:111:A:VAL:H	2	0.25
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	10	0.25
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	16	0.25
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	17	0.25
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	18	0.25
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	18	0.25
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	18	0.25
(1,2368)	1:102:A:ARG:H	1:103:A:PHE:H	5	0.25
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	7	0.25
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	14	0.25
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	18	0.25
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	12	0.25
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	15	0.25
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	16	0.25
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	20	0.25
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	20	0.25
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	20	0.25
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	20	0.25
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	20	0.25
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	16	0.25
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	16	0.25
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	16	0.25
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	16	0.25
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	13	0.25
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	13	0.25
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	13	0.25
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	13	0.25
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	13	0.25
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	13	0.25
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	3	0.25
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	20	0.25
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	15	0.25
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	15	0.25
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	19	0.25
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	19	0.25
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	1	0.25
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	1	0.25
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	1	0.25
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	1	0.25
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	1	0.25
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	1	0.25
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	15	0.25
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	15	0.25
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	15	0.25
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	15	0.25
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	15	0.25
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	15	0.25
(1,2214)	1:96:A:LEU:HG	1:103:A:PHE:HD1	10	0.25
(1,2214)	1:96:A:LEU:HG	1:103:A:PHE:HD2	10	0.25
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	1	0.25
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	1	0.25
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	1	0.25
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	1	0.25
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	1	0.25
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	1	0.25
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	19	0.25
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	19	0.25
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	19	0.25
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	19	0.25
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	19	0.25
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	8	0.25
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	12	0.25
(1,2097)	1:89:A:THR:HG21	1:90:A:THR:H	3	0.25
(1,2097)	1:89:A:THR:HG22	1:90:A:THR:H	3	0.25
(1,2097)	1:89:A:THR:HG23	1:90:A:THR:H	3	0.25
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	2	0.25
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	7	0.25
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	12	0.25
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	19	0.25
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	20	0.25
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	1	0.25
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	1	0.25
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	3	0.25
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	3	0.25
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	3	0.25
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	6	0.25
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	19	0.25
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	19	0.25
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	20	0.25
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	20	0.25
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	10	0.25
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	9	0.25
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	13	0.25
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	7	0.25
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	7	0.25
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	7	0.25
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	14	0.25
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	14	0.25
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	14	0.25
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	17	0.25
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	17	0.25
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	17	0.25
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	2	0.25
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	2	0.25
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	2	0.25
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	2	0.25
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	2	0.25
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	2	0.25
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	13	0.25
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	13	0.25
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	13	0.25
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	13	0.25
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	13	0.25
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	20	0.25
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	6	0.25
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	20	0.25
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	9	0.25
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	16	0.25
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	17	0.25
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	17	0.25
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	20	0.25
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	20	0.25
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	2	0.25
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	2	0.25
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	19	0.25
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	19	0.25
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	3	0.25
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	3	0.25
(1,1863)	1:80:A:GLU:HB2	1:153:A:ASN:HB2	19	0.25
(1,1863)	1:80:A:GLU:HB3	1:153:A:ASN:HB2	19	0.25
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	16	0.25
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	16	0.25
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	4	0.25
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	14	0.25
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	9	0.25
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	10	0.25
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	17	0.25
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	1	0.25
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	8	0.25
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	16	0.25
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	20	0.25
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	20	0.25
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	8	0.25
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	8	0.25
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	8	0.25
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	8	0.25
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	8	0.25
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	8	0.25
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	8	0.25
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	8	0.25
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	8	0.25
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	11	0.25
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	11	0.25
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	11	0.25
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	11	0.25
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	11	0.25
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG21	15	0.25
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG22	15	0.25
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG23	15	0.25
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	16	0.25
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	16	0.25
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	3	0.25
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	3	0.25
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	3	0.25
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	6	0.25
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	6	0.25
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	6	0.25
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	17	0.25
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	17	0.25
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	17	0.25
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	6	0.25
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	18	0.25
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	2	0.25
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD21	1	0.25
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD22	1	0.25
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD23	1	0.25
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	3	0.25
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	6	0.25
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	13	0.25
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	17	0.25
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	20	0.25
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	4	0.25
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	4	0.25
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	4	0.25
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	15	0.25
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	15	0.25
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	15	0.25
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	14	0.25
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	14	0.25
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	14	0.25
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	6	0.25
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	6	0.25
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	6	0.25
(1,1197)	1:49:A:VAL:HG11	1:62:A:THR:H	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:49:A:VAL:HG12	1:62:A:THR:H	5	0.25
(1,1197)	1:49:A:VAL:HG13	1:62:A:THR:H	5	0.25
(1,1180)	1:49:A:VAL:HG11	1:50:A:TYR:HA	11	0.25
(1,1180)	1:49:A:VAL:HG12	1:50:A:TYR:HA	11	0.25
(1,1180)	1:49:A:VAL:HG13	1:50:A:TYR:HA	11	0.25
(1,1180)	1:49:A:VAL:HG21	1:50:A:TYR:HA	11	0.25
(1,1180)	1:49:A:VAL:HG22	1:50:A:TYR:HA	11	0.25
(1,1180)	1:49:A:VAL:HG23	1:50:A:TYR:HA	11	0.25
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	1	0.25
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	1	0.25
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	1	0.25
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	1	0.25
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	1	0.25
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	1	0.25
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	7	0.25
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	7	0.25
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	7	0.25
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	7	0.25
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	7	0.25
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	7	0.25
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	6	0.25
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	6	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	2	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	2	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	2	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	17	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	17	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	17	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	19	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	19	0.25
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	19	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	6	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	6	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	6	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	6	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	6	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	6	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	15	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	15	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	15	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	15	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	15	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	20	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	20	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	20	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	20	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	20	0.25
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	20	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	15	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	15	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	15	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	16	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	16	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	16	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	18	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	18	0.25
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	18	0.25
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	5	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	8	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	8	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	8	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	9	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	9	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	9	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	13	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	13	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	13	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	18	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	18	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	18	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	19	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	19	0.25
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	19	0.25
(1,1118)	1:47:A:ILE:H	1:47:A:ILE:HG12	16	0.25
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	9	0.25
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	9	0.25
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	9	0.25
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	13	0.25
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	13	0.25
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	13	0.25
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	10	0.25
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	10	0.25
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	14	0.25
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	8	0.25
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	8	0.25
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	8	0.25
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	8	0.25
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	8	0.25
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	8	0.25
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	8	0.25
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	2	0.25
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	2	0.25
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB2	9	0.25
(1,1026)	1:42:A:LYS:H	1:42:A:LYS:HB3	9	0.25
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	7	0.25
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	7	0.25
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	14	0.25
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	14	0.25
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	2	0.25
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	1	0.25
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	1	0.25
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	1	0.25
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	1	0.25
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	1	0.25
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	1	0.25
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	12	0.25
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	10	0.25
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	12	0.25
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	14	0.25
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	17	0.25
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	5	0.25
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	5	0.25
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	5	0.25
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	5	0.25
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	5	0.25
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	5	0.25
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	5	0.25
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	5	0.25
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	9	0.25
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	12	0.25
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	12	0.25
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	1	0.25
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	2	0.25
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	16	0.25
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	17	0.25
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	7	0.25
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	7	0.25
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	8	0.25
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	8	0.25
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	4	0.25
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	13	0.25
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	1	0.25
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	1	0.25
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	17	0.25
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	17	0.25
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	16	0.25
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	16	0.25
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	3	0.25
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	3	0.25
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	10	0.25
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	18	0.25
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	19	0.25
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	19	0.25
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	19	0.25
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	19	0.25
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	1	0.25
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	1	0.25
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	11	0.25
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	11	0.25
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	20	0.25
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	20	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	2	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	2	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	9	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	9	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	11	0.25
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	11	0.25
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	8	0.25
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	8	0.25
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	18	0.25
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	10	0.25
(1,568)	1:20:A:THR:H	1:24:A:LEU:H	9	0.25
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	4	0.25
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	4	0.25
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	1	0.25
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	3	0.25
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	9	0.25
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	19	0.25
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	4	0.25
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	11	0.25
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	12	0.25
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	16	0.25
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	15	0.25
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	3	0.25
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	17	0.25
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	9	0.25
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	15	0.25
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	4	0.25
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	4	0.25
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	4	0.25
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	4	0.25
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	4	0.25
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	4	0.25
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	4	0.25
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	4	0.25
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	4	0.25
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	4	0.25
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	4	0.25
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	4	0.25
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	8	0.25
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	8	0.25
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	8	0.25
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	4	0.25
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	13	0.25
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	5	0.25
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	5	0.25
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	5	0.25
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	6	0.25
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	6	0.25
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	6	0.25
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	17	0.25
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	17	0.25
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	17	0.25
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	4	0.25
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	6	0.25
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	10	0.25
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	17	0.25
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	1	0.25
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	1	0.25
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	1	0.25
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	5	0.25
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	5	0.25
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	5	0.25
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	10	0.25
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	10	0.25
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	10	0.25
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	12	0.25
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	12	0.25
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	12	0.25
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	12	0.25
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	12	0.25
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	12	0.25
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	12	0.25
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	12	0.25
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	12	0.25
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	12	0.25
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	12	0.25
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	12	0.25
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	6	0.25
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	6	0.25
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	6	0.25
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	6	0.25
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	6	0.25
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	6	0.25
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	6	0.25
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	6	0.25
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	6	0.25
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	6	0.25
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	6	0.25
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	6	0.25
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	11	0.25
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	11	0.25
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	15	0.25
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	15	0.25
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	10	0.25
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	10	0.25
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	6	0.25
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	6	0.25
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	6	0.25
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	8	0.25
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	8	0.25
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	8	0.25
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	12	0.25
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	12	0.25
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	12	0.25
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	12	0.25
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	12	0.25
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	12	0.25
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	17	0.25
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	17	0.25
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	17	0.25
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	11	0.25
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	11	0.25
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	11	0.25
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	20	0.25
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	4	0.25
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	4	0.25
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	17	0.25
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	17	0.25
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	17	0.25
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	11	0.25
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	11	0.25
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	11	0.25
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	14	0.25
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	14	0.25
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	14	0.25
(1,29)	1:3:A:PRO:HD3	1:5:A:ASP:H	12	0.25
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	12	0.25
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	12	0.25
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	12	0.25
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	13	0.25
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	13	0.25
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	13	0.25
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	12	0.25
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	12	0.25
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	12	0.25
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	12	0.25
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	12	0.25
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	3	0.24
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	10	0.24
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	14	0.24
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	18	0.24
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	5	0.24
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	15	0.24
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	18	0.24
(1,3134)	1:175:A:VAL:HG21	1:176:A:ILE:HB	2	0.24
(1,3134)	1:175:A:VAL:HG22	1:176:A:ILE:HB	2	0.24
(1,3134)	1:175:A:VAL:HG23	1:176:A:ILE:HB	2	0.24
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	10	0.24
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	10	0.24
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	14	0.24
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	19	0.24
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	19	0.24
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	5	0.24
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	16	0.24
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	16	0.24
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	16	0.24
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG21	18	0.24
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG22	18	0.24
(1,3008)	1:156:A:TYR:HB3	1:157:A:VAL:HG23	18	0.24
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	12	0.24
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	4	0.24
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	4	0.24
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	4	0.24
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	4	0.24
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	4	0.24
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	4	0.24
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	2	0.24
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	2	0.24
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	2	0.24
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	18	0.24
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	18	0.24
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	18	0.24
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	18	0.24
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	18	0.24
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	18	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	1	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	1	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	1	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	1	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	1	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	14	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	14	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	14	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	14	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	14	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	14	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	15	0.24
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	15	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	15	0.24
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	15	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	15	0.24
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	15	0.24
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	8	0.24
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	8	0.24
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	8	0.24
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	8	0.24
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	8	0.24
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	8	0.24
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	19	0.24
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	19	0.24
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	19	0.24
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	19	0.24
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	19	0.24
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	19	0.24
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	3	0.24
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	3	0.24
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	3	0.24
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	6	0.24
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	6	0.24
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	6	0.24
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	6	0.24
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	6	0.24
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	6	0.24
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	10	0.24
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	10	0.24
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	10	0.24
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	10	0.24
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	18	0.24
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	15	0.24
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG2	6	0.24
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG3	6	0.24
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	7	0.24
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	7	0.24
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	10	0.24
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	11	0.24
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	11	0.24
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	5	0.24
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	13	0.24
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD11	11	0.24
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD12	11	0.24
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD13	11	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	6	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	6	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	6	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	6	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	6	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	6	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	9	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	9	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	9	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	9	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	9	0.24
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	9	0.24
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	2	0.24
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	10	0.24
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	1	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	6	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	6	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	6	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	6	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	6	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	6	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	16	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	16	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	16	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	16	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	16	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	16	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	18	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	18	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	18	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	18	0.24
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	18	0.24
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	10	0.24
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	10	0.24
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	10	0.24
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	12	0.24
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	17	0.24
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	7	0.24
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	18	0.24
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB2	18	0.24
(1,2531)	1:113:A:GLU:HG2	1:153:A:ASN:HB3	18	0.24
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB2	18	0.24
(1,2531)	1:113:A:GLU:HG3	1:153:A:ASN:HB3	18	0.24
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	10	0.24
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	10	0.24
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	10	0.24
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	10	0.24
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	10	0.24
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	20	0.24
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	20	0.24
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	8	0.24
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	8	0.24
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	5	0.24
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	8	0.24
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	9	0.24
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	4	0.24
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	11	0.24
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	15	0.24
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	19	0.24
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	10	0.24
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	10	0.24
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	10	0.24
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	10	0.24
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	10	0.24
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	10	0.24
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	9	0.24
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	13	0.24
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	19	0.24
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	19	0.24
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	6	0.24
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	17	0.24
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	14	0.24
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	20	0.24
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	11	0.24
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	14	0.24
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	17	0.24
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	15	0.24
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	15	0.24
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	15	0.24
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	15	0.24
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	17	0.24
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	17	0.24
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	17	0.24
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	17	0.24
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	10	0.24
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	10	0.24
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	1	0.24
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	1	0.24
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	1	0.24
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	1	0.24
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	1	0.24
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	1	0.24
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	17	0.24
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	17	0.24
(1,2270)	1:97:A:VAL:HG21	1:106:A:LYS:HE2	7	0.24
(1,2270)	1:97:A:VAL:HG22	1:106:A:LYS:HE2	7	0.24
(1,2270)	1:97:A:VAL:HG23	1:106:A:LYS:HE2	7	0.24
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	2	0.24
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	2	0.24
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	2	0.24
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	2	0.24
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	2	0.24
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	2	0.24
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	15	0.24
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	15	0.24
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	15	0.24
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	15	0.24
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	15	0.24
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	15	0.24
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	15	0.24
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	15	0.24
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	15	0.24
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	15	0.24
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	15	0.24
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	12	0.24
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	12	0.24
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	12	0.24
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	12	0.24
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	12	0.24
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	12	0.24
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	7	0.24
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	1	0.24
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	4	0.24
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	4	0.24
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	12	0.24
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	12	0.24
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	11	0.24
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	11	0.24
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	17	0.24
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	17	0.24
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	8	0.24
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	8	0.24
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	18	0.24
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	9	0.24
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	20	0.24
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	16	0.24
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	16	0.24
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	16	0.24
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	20	0.24
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	20	0.24
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	20	0.24
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	4	0.24
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	4	0.24
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	4	0.24
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	4	0.24
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	4	0.24
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	4	0.24
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	13	0.24
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	16	0.24
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	1	0.24
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	3	0.24
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	18	0.24
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	8	0.24
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	20	0.24
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	15	0.24
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	15	0.24
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	3	0.24
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	3	0.24
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	14	0.24
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	14	0.24
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	13	0.24
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	13	0.24
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	18	0.24
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	18	0.24
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	19	0.24
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	19	0.24
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	5	0.24
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	7	0.24
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	12	0.24
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	17	0.24
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	8	0.24
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	18	0.24
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	2	0.24
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	6	0.24
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	15	0.24
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	15	0.24
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	15	0.24
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	16	0.24
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	16	0.24
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	16	0.24
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	17	0.24
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	17	0.24
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	17	0.24
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	9	0.24
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	6	0.24
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	6	0.24
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	10	0.24
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	10	0.24
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	13	0.24
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	13	0.24
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	13	0.24
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	13	0.24
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	13	0.24
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	15	0.24
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	15	0.24
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	15	0.24
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	15	0.24
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	15	0.24
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	15	0.24
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	3	0.24
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	3	0.24
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	3	0.24
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	2	0.24
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	2	0.24
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	2	0.24
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	13	0.24
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	13	0.24
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	13	0.24
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	14	0.24
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	14	0.24
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	14	0.24
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	7	0.24
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	10	0.24
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	10	0.24
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	10	0.24
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	10	0.24
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	10	0.24
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	10	0.24
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	10	0.24
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	10	0.24
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	10	0.24
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	10	0.24
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	10	0.24
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	10	0.24
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	19	0.24
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	19	0.24
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	6	0.24
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	6	0.24
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	17	0.24
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	17	0.24
(1,1451)	1:62:A:THR:HB	1:170:A:LYS:HB3	4	0.24
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	15	0.24
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	19	0.24
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	19	0.24
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG21	17	0.24
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG22	17	0.24
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG23	17	0.24
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	13	0.24
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	15	0.24
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	20	0.24
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	17	0.24
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	17	0.24
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	17	0.24
(1,1337)	1:54:A:LEU:HD21	1:55:A:GLU:H	1	0.24
(1,1337)	1:54:A:LEU:HD22	1:55:A:GLU:H	1	0.24
(1,1337)	1:54:A:LEU:HD23	1:55:A:GLU:H	1	0.24
(1,1333)	1:54:A:LEU:HD11	1:56:A:THR:H	8	0.24
(1,1333)	1:54:A:LEU:HD12	1:56:A:THR:H	8	0.24
(1,1333)	1:54:A:LEU:HD13	1:56:A:THR:H	8	0.24
(1,1333)	1:54:A:LEU:HD21	1:56:A:THR:H	8	0.24
(1,1333)	1:54:A:LEU:HD22	1:56:A:THR:H	8	0.24
(1,1333)	1:54:A:LEU:HD23	1:56:A:THR:H	8	0.24
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	1	0.24
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	1	0.24
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	1	0.24
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	1	0.24
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	12	0.24
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB2	3	0.24
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB3	3	0.24
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB2	3	0.24
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB3	3	0.24
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB2	3	0.24
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB3	3	0.24
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	18	0.24
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	18	0.24
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	18	0.24
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	20	0.24
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	20	0.24
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	20	0.24
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	12	0.24
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	12	0.24
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	12	0.24
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	15	0.24
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	15	0.24
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	1	0.24
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	1	0.24
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	1	0.24
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	4	0.24
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	4	0.24
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	4	0.24
(1,1180)	1:49:A:VAL:HG11	1:50:A:TYR:HA	14	0.24
(1,1180)	1:49:A:VAL:HG12	1:50:A:TYR:HA	14	0.24
(1,1180)	1:49:A:VAL:HG13	1:50:A:TYR:HA	14	0.24
(1,1180)	1:49:A:VAL:HG21	1:50:A:TYR:HA	14	0.24
(1,1180)	1:49:A:VAL:HG22	1:50:A:TYR:HA	14	0.24
(1,1180)	1:49:A:VAL:HG23	1:50:A:TYR:HA	14	0.24
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	15	0.24
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	15	0.24
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	15	0.24
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	15	0.24
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	15	0.24
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	15	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	4	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	4	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	4	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	16	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	16	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	16	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	20	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	20	0.24
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	20	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	3	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	3	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	3	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	3	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	3	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	3	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	18	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	18	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	18	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	18	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	18	0.24
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	18	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	1	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	1	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	7	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	7	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	7	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	8	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	8	0.24
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	8	0.24
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	18	0.24
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	18	0.24
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	18	0.24
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	8	0.24
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	12	0.24
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	12	0.24
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	19	0.24
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	19	0.24
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	12	0.24
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	12	0.24
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	12	0.24
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	12	0.24
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	12	0.24
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	12	0.24
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	15	0.24
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	15	0.24
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	15	0.24
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	14	0.24
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	6	0.24
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	6	0.24
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	6	0.24
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	6	0.24
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	6	0.24
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	6	0.24
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	1	0.24
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	1	0.24
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	8	0.24
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	4	0.24
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	8	0.24
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	17	0.24
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	20	0.24
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	1	0.24
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	18	0.24
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	18	0.24
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	18	0.24
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	18	0.24
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	18	0.24
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	13	0.24
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	13	0.24
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	14	0.24
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	14	0.24
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	16	0.24
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	13	0.24
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	4	0.24
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	13	0.24
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	13	0.24
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	15	0.24
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	20	0.24
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	2	0.24
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	14	0.24
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	19	0.24
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	18	0.24
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	18	0.24
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	19	0.24
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	19	0.24
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG11	3	0.24
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG12	3	0.24
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG13	3	0.24
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG21	3	0.24
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG22	3	0.24
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG23	3	0.24
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	4	0.24
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	8	0.24
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	7	0.24
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	18	0.24
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	18	0.24
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	18	0.24
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	18	0.24
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	18	0.24
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	18	0.24
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	3	0.24
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	3	0.24
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	3	0.24
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	3	0.24
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	7	0.24
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	7	0.24
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	10	0.24
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	13	0.24
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	13	0.24
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	15	0.24
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	15	0.24
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	5	0.24
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	5	0.24
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	15	0.24
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	15	0.24
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	6	0.24
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	14	0.24
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	13	0.24
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	20	0.24
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	20	0.24
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	20	0.24
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	20	0.24
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	20	0.24
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	20	0.24
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	9	0.24
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	9	0.24
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	9	0.24
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	14	0.24
(1,489)	1:17:A:GLN:H	1:18:A:LYS:H	18	0.24
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	6	0.24
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	10	0.24
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	19	0.24
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	20	0.24
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	11	0.24
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	2	0.24
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	10	0.24
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	7	0.24
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	8	0.24
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	19	0.24
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	10	0.24
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	10	0.24
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	10	0.24
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	9	0.24
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	9	0.24
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	9	0.24
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	1	0.24
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	9	0.24
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	3	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	3	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	3	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	15	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	15	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	15	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	18	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	18	0.24
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	18	0.24
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	2	0.24
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	12	0.24
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	18	0.24
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	3	0.24
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	3	0.24
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	3	0.24
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	11	0.24
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	11	0.24
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	11	0.24
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	11	0.24
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	11	0.24
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	11	0.24
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	11	0.24
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	11	0.24
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	11	0.24
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	11	0.24
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	11	0.24
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	11	0.24
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	6	0.24
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	6	0.24
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	6	0.24
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	6	0.24
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	6	0.24
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	6	0.24
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	17	0.24
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	17	0.24
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	17	0.24
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	17	0.24
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	17	0.24
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	17	0.24
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	14	0.24
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	14	0.24
(1,176)	1:8:A:ILE:HG21	1:24:A:LEU:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:8:A:ILE:HG22	1:24:A:LEU:H	20	0.24
(1,176)	1:8:A:ILE:HG23	1:24:A:LEU:H	20	0.24
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	2	0.24
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	2	0.24
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	2	0.24
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	3	0.24
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	3	0.24
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	3	0.24
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	13	0.24
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	13	0.24
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	13	0.24
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	15	0.24
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	15	0.24
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	15	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	2	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	2	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	2	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	15	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	15	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	15	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	18	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	18	0.24
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	18	0.24
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	5	0.24
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	6	0.24
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	6	0.24
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	6	0.24
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	6	0.24
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	6	0.24
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	6	0.24
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	19	0.24
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	19	0.24
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	19	0.24
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	7	0.24
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	7	0.24
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	7	0.24
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	10	0.24
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	10	0.24
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	10	0.24
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	20	0.24
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	3	0.24
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	11	0.24
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	11	0.24
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	19	0.24
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	19	0.24
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	19	0.24
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	18	0.24
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	18	0.24
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	1	0.23
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	2	0.23
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	15	0.23
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	11	0.23
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	4	0.23
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	11	0.23
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	12	0.23
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	16	0.23
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	8	0.23
(1,3118)	1:172:A:TYR:HB3	1:173:A:HIS:H	2	0.23
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	7	0.23
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	7	0.23
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	19	0.23
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	19	0.23
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	13	0.23
(1,3028)	1:158:A:ARG:HA	1:159:A:ALA:H	17	0.23
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	1	0.23
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	8	0.23
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	19	0.23
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	20	0.23
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	3	0.23
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	6	0.23
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	8	0.23
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	19	0.23
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	20	0.23
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	1	0.23
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	1	0.23
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	1	0.23
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	1	0.23
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	1	0.23
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	1	0.23
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	1	0.23
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	1	0.23
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	1	0.23
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	5	0.23
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	5	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	2	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	2	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	2	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	2	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	2	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	2	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	11	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	11	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	11	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	11	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	11	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	11	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	15	0.23
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	15	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	15	0.23
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	15	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	15	0.23
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	15	0.23
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	6	0.23
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	6	0.23
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	6	0.23
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	6	0.23
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	6	0.23
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	6	0.23
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	12	0.23
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	12	0.23
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	12	0.23
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	12	0.23
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	12	0.23
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	12	0.23
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	19	0.23
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	19	0.23
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	19	0.23
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	19	0.23
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	19	0.23
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	19	0.23
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	4	0.23
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	19	0.23
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	1	0.23
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	12	0.23
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	12	0.23
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	17	0.23
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	17	0.23
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	11	0.23
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	11	0.23
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	14	0.23
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	14	0.23
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	14	0.23
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	14	0.23
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	3	0.23
(1,2787)	1:134:A:ASN:HD21	1:135:A:PRO:HD2	4	0.23
(1,2787)	1:134:A:ASN:HD21	1:135:A:PRO:HD3	4	0.23
(1,2787)	1:134:A:ASN:HD22	1:135:A:PRO:HD2	4	0.23
(1,2787)	1:134:A:ASN:HD22	1:135:A:PRO:HD3	4	0.23
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	5	0.23
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	8	0.23
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	8	0.23
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	8	0.23
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	8	0.23
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	8	0.23
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	8	0.23
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	8	0.23
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	15	0.23
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	15	0.23
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	20	0.23
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	20	0.23
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	20	0.23
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	20	0.23
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	20	0.23
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	20	0.23
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	20	0.23
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	20	0.23
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	20	0.23
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	20	0.23
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	20	0.23
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	20	0.23
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	9	0.23
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	9	0.23
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	20	0.23
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	20	0.23
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	10	0.23
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	10	0.23
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	15	0.23
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	6	0.23
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	7	0.23
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	17	0.23
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	2	0.23
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	1	0.23
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	4	0.23
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	6	0.23
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	8	0.23
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	11	0.23
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	2	0.23
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	17	0.23
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	17	0.23
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	4	0.23
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	4	0.23
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	4	0.23
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	4	0.23
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	4	0.23
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	4	0.23
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	3	0.23
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	3	0.23
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	3	0.23
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	9	0.23
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	9	0.23
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	9	0.23
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG2	16	0.23
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG3	16	0.23
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	14	0.23
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	14	0.23
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	3	0.23
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD1	12	0.23
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD2	12	0.23
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD1	12	0.23
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD2	12	0.23
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	8	0.23
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	20	0.23
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	20	0.23
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	20	0.23
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	20	0.23
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	20	0.23
(1,2390)	1:104:A:ILE:HD11	1:106:A:LYS:HE3	13	0.23
(1,2390)	1:104:A:ILE:HD12	1:106:A:LYS:HE3	13	0.23
(1,2390)	1:104:A:ILE:HD13	1:106:A:LYS:HE3	13	0.23
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	19	0.23
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	19	0.23
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	19	0.23
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	7	0.23
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	7	0.23
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	9	0.23
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	9	0.23
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	5	0.23
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	9	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	1	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	3	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	4	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	9	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	10	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	11	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	12	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	13	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	17	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	18	0.23
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	19	0.23
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	7	0.23
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	9	0.23
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	18	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	7	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	7	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	7	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	7	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	7	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	7	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	8	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	8	0.23
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	8	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	8	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	8	0.23
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	8	0.23
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	5	0.23
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	5	0.23
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	5	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	15	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	15	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	15	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	15	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	15	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	15	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	20	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	20	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	20	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	20	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	20	0.23
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	20	0.23
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	1	0.23
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	4	0.23
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	4	0.23
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	12	0.23
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	12	0.23
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	16	0.23
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	16	0.23
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	16	0.23
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	16	0.23
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	16	0.23
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	16	0.23
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	17	0.23
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	17	0.23
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	17	0.23
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	17	0.23
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	17	0.23
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	17	0.23
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	9	0.23
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	5	0.23
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	14	0.23
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	9	0.23
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	15	0.23
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	5	0.23
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	5	0.23
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	17	0.23
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	17	0.23
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	18	0.23
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	18	0.23
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	14	0.23
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	14	0.23
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	19	0.23
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	1	0.23
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	5	0.23
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	19	0.23
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	13	0.23
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	13	0.23
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	1	0.23
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	14	0.23
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	3	0.23
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	3	0.23
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	3	0.23
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	4	0.23
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	4	0.23
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	4	0.23
(1,1889)	1:80:A:GLU:H	1:153:A:ASN:HA	9	0.23
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	7	0.23
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	12	0.23
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	6	0.23
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	11	0.23
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	14	0.23
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	7	0.23
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	7	0.23
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	1	0.23
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	1	0.23
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	10	0.23
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	10	0.23
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	19	0.23
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	19	0.23
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	7	0.23
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	7	0.23
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	4	0.23
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	4	0.23
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	10	0.23
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	10	0.23
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	6	0.23
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	11	0.23
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	19	0.23
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	19	0.23
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	19	0.23
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	2	0.23
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	12	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	1	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	1	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	1	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	6	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	6	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	6	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	12	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	12	0.23
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	12	0.23
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	20	0.23
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	20	0.23
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	20	0.23
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	7	0.23
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	17	0.23
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	16	0.23
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	18	0.23
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	2	0.23
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	2	0.23
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	11	0.23
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	11	0.23
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	13	0.23
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	13	0.23
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	13	0.23
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	17	0.23
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	2	0.23
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	8	0.23
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	8	0.23
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	15	0.23
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	15	0.23
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	7	0.23
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	1	0.23
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	1	0.23
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	1	0.23
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	1	0.23
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	1	0.23
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	1	0.23
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	15	0.23
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	15	0.23
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	15	0.23
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	15	0.23
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	15	0.23
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	6	0.23
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	6	0.23
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	12	0.23
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	12	0.23
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	12	0.23
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	18	0.23
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	18	0.23
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB2	11	0.23
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB3	11	0.23
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB2	11	0.23
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB3	11	0.23
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB2	11	0.23
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB3	11	0.23
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	10	0.23
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	11	0.23
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	17	0.23
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	16	0.23
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	16	0.23
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	3	0.23
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	10	0.23
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	8	0.23
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	11	0.23
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	4	0.23
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	4	0.23
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	4	0.23
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	19	0.23
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	19	0.23
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	19	0.23
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	2	0.23
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	2	0.23
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	2	0.23
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	7	0.23
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	7	0.23
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	7	0.23
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD11	3	0.23
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD12	3	0.23
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD13	3	0.23
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD21	3	0.23
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD22	3	0.23
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD23	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD11	3	0.23
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD12	3	0.23
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD13	3	0.23
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD21	3	0.23
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD22	3	0.23
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD23	3	0.23
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD11	3	0.23
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD12	3	0.23
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD13	3	0.23
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD21	3	0.23
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD22	3	0.23
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD23	3	0.23
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	2	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	6	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	6	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	6	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	8	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	8	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	8	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	15	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	15	0.23
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	15	0.23
(1,1213)	1:50:A:TYR:HB2	1:51:A:SER:H	7	0.23
(1,1213)	1:50:A:TYR:HB3	1:51:A:SER:H	7	0.23
(1,1180)	1:49:A:VAL:HG11	1:50:A:TYR:HA	5	0.23
(1,1180)	1:49:A:VAL:HG12	1:50:A:TYR:HA	5	0.23
(1,1180)	1:49:A:VAL:HG13	1:50:A:TYR:HA	5	0.23
(1,1180)	1:49:A:VAL:HG21	1:50:A:TYR:HA	5	0.23
(1,1180)	1:49:A:VAL:HG22	1:50:A:TYR:HA	5	0.23
(1,1180)	1:49:A:VAL:HG23	1:50:A:TYR:HA	5	0.23
(1,1180)	1:49:A:VAL:HG11	1:50:A:TYR:HA	16	0.23
(1,1180)	1:49:A:VAL:HG12	1:50:A:TYR:HA	16	0.23
(1,1180)	1:49:A:VAL:HG13	1:50:A:TYR:HA	16	0.23
(1,1180)	1:49:A:VAL:HG21	1:50:A:TYR:HA	16	0.23
(1,1180)	1:49:A:VAL:HG22	1:50:A:TYR:HA	16	0.23
(1,1180)	1:49:A:VAL:HG23	1:50:A:TYR:HA	16	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	4	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	4	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	4	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	4	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	4	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	12	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	12	0.23
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	12	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	12	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	12	0.23
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	12	0.23
(1,1159)	1:48:A:LYS:HD2	1:64:A:ILE:H	12	0.23
(1,1159)	1:48:A:LYS:HD2	1:64:A:ILE:H	15	0.23
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	18	0.23
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	18	0.23
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	20	0.23
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	20	0.23
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	8	0.23
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	8	0.23
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	8	0.23
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	10	0.23
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	10	0.23
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	10	0.23
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	13	0.23
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	13	0.23
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	13	0.23
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG21	5	0.23
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG22	5	0.23
(1,1119)	1:47:A:ILE:H	1:47:A:ILE:HG23	5	0.23
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	18	0.23
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	1	0.23
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	1	0.23
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	1	0.23
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	2	0.23
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	2	0.23
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	2	0.23
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	17	0.23
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	17	0.23
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	2	0.23
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	12	0.23
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	17	0.23
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	7	0.23
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	7	0.23
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	2	0.23
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	2	0.23
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	2	0.23
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	2	0.23
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	2	0.23
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	10	0.23
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	10	0.23
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	10	0.23
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	10	0.23
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	10	0.23
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	10	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	12	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	12	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	12	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	12	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	12	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	12	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	13	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	13	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	13	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	13	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	13	0.23
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	13	0.23
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	6	0.23
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	6	0.23
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	17	0.23
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	17	0.23
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	3	0.23
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	5	0.23
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	5	0.23
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	5	0.23
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	5	0.23
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	5	0.23
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	5	0.23
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	5	0.23
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	9	0.23
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	9	0.23
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	9	0.23
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	9	0.23
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	9	0.23
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	9	0.23
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	18	0.23
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	9	0.23
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	9	0.23
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	9	0.23
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	9	0.23
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	9	0.23
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	6	0.23
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	6	0.23
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	5	0.23
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	15	0.23
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	20	0.23
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE1	1	0.23
(1,838)	1:33:A:TYR:HA	1:33:A:TYR:HE2	1	0.23
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	7	0.23
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	8	0.23
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	14	0.23
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	19	0.23
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	9	0.23
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	15	0.23
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	7	0.23
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	12	0.23
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	12	0.23
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	12	0.23
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	19	0.23
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	19	0.23
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	12	0.23
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	17	0.23
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	5	0.23
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	9	0.23
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	12	0.23
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	14	0.23
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	15	0.23
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	20	0.23
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG11	6	0.23
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG12	6	0.23
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG13	6	0.23
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	14	0.23
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	14	0.23
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	13	0.23
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	13	0.23
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	16	0.23
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	16	0.23
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	6	0.23
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	6	0.23
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	9	0.23
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	1	0.23
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	10	0.23
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	6	0.23
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	6	0.23
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	19	0.23
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	19	0.23
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	15	0.23
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	15	0.23
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	9	0.23
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	19	0.23
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	19	0.23
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	19	0.23
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	19	0.23
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	19	0.23
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	19	0.23
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	10	0.23
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	10	0.23
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	10	0.23
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	11	0.23
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	11	0.23
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	11	0.23
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	11	0.23
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	11	0.23
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	11	0.23
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	13	0.23
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	13	0.23
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	13	0.23
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	13	0.23
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	13	0.23
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	13	0.23
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	10	0.23
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	10	0.23
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	17	0.23
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	17	0.23
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	20	0.23
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	20	0.23
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	2	0.23
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	2	0.23
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	2	0.23
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB2	3	0.23
(1,458)	1:16:A:PRO:HA	1:124:A:LEU:HB3	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	12	0.23
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	20	0.23
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	1	0.23
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	4	0.23
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	6	0.23
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	13	0.23
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	19	0.23
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	7	0.23
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	7	0.23
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	15	0.23
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	15	0.23
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	18	0.23
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	18	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	8	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	8	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	8	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	8	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	8	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	8	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	8	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	8	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	8	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	8	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	8	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	8	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	17	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	17	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	17	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	17	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	17	0.23
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	17	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	17	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	17	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	17	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	17	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	17	0.23
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	17	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	4	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	4	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	4	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	6	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	6	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	19	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	19	0.23
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	19	0.23
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	19	0.23
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	19	0.23
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	19	0.23
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	20	0.23
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	20	0.23
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	20	0.23
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	5	0.23
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	5	0.23
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	5	0.23
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	9	0.23
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	9	0.23
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	9	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	3	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	3	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	3	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	3	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	3	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	3	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	7	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	7	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	7	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	7	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	7	0.23
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	7	0.23
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	5	0.23
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	5	0.23
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	5	0.23
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	5	0.23
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	5	0.23
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	5	0.23
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	5	0.23
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	5	0.23
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	5	0.23
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	5	0.23
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	5	0.23
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	5	0.23
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	2	0.23
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	12	0.23
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	12	0.23
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	19	0.23
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	19	0.23
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	1	0.23
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	5	0.23
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	5	0.23
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	5	0.23
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	20	0.23
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	20	0.23
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	20	0.23
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	4	0.23
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	4	0.23
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	4	0.23
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	4	0.23
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG21	7	0.23
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG22	7	0.23
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG23	7	0.23
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	5	0.23
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	6	0.23
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	6	0.23
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	6	0.23
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	20	0.23
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	20	0.23
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	20	0.23
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	5	0.23
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	5	0.23
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	5	0.23
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	8	0.23
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	8	0.23
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	8	0.23
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	15	0.23
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	15	0.23
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	15	0.23
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	16	0.23
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	16	0.23
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	16	0.23
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	17	0.23
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	17	0.23
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	17	0.23
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	12	0.23
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	10	0.23
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	10	0.23
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	10	0.23
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	12	0.22
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	2	0.22
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	10	0.22
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	20	0.22
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	9	0.22
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	16	0.22
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	19	0.22
(1,3204)	1:179:A:GLU:H	1:179:A:GLU:HG3	5	0.22
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	14	0.22
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	10	0.22
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	10	0.22
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	10	0.22
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	11	0.22
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	11	0.22
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	11	0.22
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	18	0.22
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	18	0.22
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	15	0.22
(1,3035)	1:158:A:ARG:HG2	1:159:A:ALA:H	7	0.22
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	3	0.22
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	7	0.22
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	13	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	1	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	4	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	7	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	11	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	13	0.22
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	15	0.22
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	13	0.22
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	13	0.22
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	13	0.22
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	17	0.22
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	17	0.22
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	17	0.22
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	17	0.22
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	17	0.22
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	17	0.22
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	19	0.22
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	19	0.22
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	19	0.22
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	19	0.22
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	19	0.22
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	5	0.22
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	5	0.22
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	5	0.22
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	5	0.22
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	5	0.22
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	5	0.22
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	7	0.22
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	7	0.22
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	7	0.22
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	7	0.22
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	7	0.22
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	7	0.22
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	11	0.22
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	11	0.22
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	11	0.22
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	11	0.22
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	11	0.22
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	11	0.22
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	1	0.22
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	2	0.22
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	12	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	7	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	7	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	7	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	7	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	7	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	7	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	11	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	11	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	11	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	11	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	11	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	11	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	14	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	14	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	14	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	14	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	14	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	18	0.22
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	18	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	18	0.22
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	18	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	18	0.22
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	18	0.22
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	11	0.22
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	11	0.22
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	11	0.22
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	12	0.22
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG2	12	0.22
(1,2835)	1:145:A:HIS:HB3	1:147:A:GLN:HG3	12	0.22
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	18	0.22
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG2	19	0.22
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG3	19	0.22
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	9	0.22
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	9	0.22
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	14	0.22
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	14	0.22
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	15	0.22
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	15	0.22
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	7	0.22
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	7	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	1	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	1	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	1	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	1	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	1	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	1	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	2	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	2	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	2	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	2	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	2	0.22
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	2	0.22
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	12	0.22
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	19	0.22
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	19	0.22
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	19	0.22
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	19	0.22
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	19	0.22
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	19	0.22
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	19	0.22
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	19	0.22
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	19	0.22
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	19	0.22
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	19	0.22
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	5	0.22
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	5	0.22
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	5	0.22
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	5	0.22
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	5	0.22
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	5	0.22
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	16	0.22
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	16	0.22
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	16	0.22
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	7	0.22
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	7	0.22
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	7	0.22
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	7	0.22
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	7	0.22
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	7	0.22
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	9	0.22
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	13	0.22
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	16	0.22
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	18	0.22
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	19	0.22
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	4	0.22
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	9	0.22
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	17	0.22
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	1	0.22
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	1	0.22
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	1	0.22
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	2	0.22
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	2	0.22
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	2	0.22
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	9	0.22
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	9	0.22
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	9	0.22
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	9	0.22
(1,2448)	1:107:A:ARG:H	1:107:A:ARG:HG2	3	0.22
(1,2448)	1:107:A:ARG:H	1:107:A:ARG:HG3	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	1	0.22
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	7	0.22
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	7	0.22
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	1	0.22
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	12	0.22
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	6	0.22
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	6	0.22
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	20	0.22
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	20	0.22
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	1	0.22
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	3	0.22
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	11	0.22
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	2	0.22
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	5	0.22
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	6	0.22
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	7	0.22
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	15	0.22
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	16	0.22
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	3	0.22
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	18	0.22
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	18	0.22
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	18	0.22
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	18	0.22
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	18	0.22
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	18	0.22
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	14	0.22
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	14	0.22
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	14	0.22
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	14	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	5	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	5	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	5	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	7	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	7	0.22
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	7	0.22
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	3	0.22
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	3	0.22
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	3	0.22
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	3	0.22
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	3	0.22
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	3	0.22
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	20	0.22
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	20	0.22
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	20	0.22
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	20	0.22
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	20	0.22
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	6	0.22
(1,2222)	1:96:A:LEU:H	1:181:A:ILE:HG21	3	0.22
(1,2222)	1:96:A:LEU:H	1:181:A:ILE:HG22	3	0.22
(1,2222)	1:96:A:LEU:H	1:181:A:ILE:HG23	3	0.22
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	17	0.22
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	17	0.22
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	17	0.22
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	17	0.22
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	17	0.22
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	17	0.22
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	17	0.22
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	17	0.22
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	17	0.22
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	17	0.22
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	17	0.22
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	17	0.22
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	8	0.22
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	8	0.22
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	8	0.22
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	20	0.22
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	20	0.22
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	20	0.22
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	13	0.22
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	13	0.22
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	13	0.22
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	13	0.22
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	13	0.22
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	13	0.22
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	8	0.22
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	18	0.22
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	19	0.22
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	13	0.22
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	13	0.22
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	13	0.22
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG21	20	0.22
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG22	20	0.22
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG23	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG11	20	0.22
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG12	20	0.22
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG13	20	0.22
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG21	20	0.22
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG22	20	0.22
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG23	20	0.22
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	13	0.22
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	13	0.22
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	8	0.22
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	8	0.22
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	11	0.22
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	11	0.22
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	15	0.22
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	15	0.22
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	16	0.22
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	16	0.22
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	16	0.22
(1,2032)	1:85:A:ARG:HG2	1:179:A:GLU:H	12	0.22
(1,2032)	1:85:A:ARG:HG3	1:179:A:GLU:H	12	0.22
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	20	0.22
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	20	0.22
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	20	0.22
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	5	0.22
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	5	0.22
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG2	16	0.22
(1,2003)	1:84:A:GLY:HA2	1:85:A:ARG:HG3	16	0.22
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	14	0.22
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	7	0.22
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	10	0.22
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	14	0.22
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	3	0.22
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	4	0.22
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	8	0.22
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	15	0.22
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	8	0.22
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	15	0.22
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	15	0.22
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	15	0.22
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	1	0.22
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	1	0.22
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	1	0.22
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	1	0.22
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	1	0.22
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	20	0.22
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	20	0.22
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	20	0.22
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	20	0.22
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	20	0.22
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	20	0.22
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	2	0.22
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	11	0.22
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	8	0.22
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	3	0.22
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	12	0.22
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	18	0.22
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	10	0.22
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	10	0.22
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	5	0.22
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	5	0.22
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	11	0.22
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	11	0.22
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	14	0.22
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	14	0.22
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	3	0.22
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	12	0.22
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	15	0.22
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	3	0.22
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	1	0.22
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	4	0.22
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	4	0.22
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	4	0.22
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	5	0.22
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	5	0.22
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	5	0.22
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	1	0.22
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	1	0.22
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	1	0.22
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	5	0.22
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	5	0.22
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	5	0.22
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	6	0.22
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	6	0.22
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	11	0.22
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	11	0.22
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	11	0.22
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	2	0.22
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	10	0.22
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	13	0.22
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	1	0.22
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	1	0.22
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	1	0.22
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	1	0.22
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	1	0.22
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	1	0.22
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	6	0.22
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	6	0.22
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	6	0.22
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	10	0.22
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	10	0.22
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	10	0.22
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	1	0.22
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	1	0.22
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	5	0.22
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	5	0.22
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	6	0.22
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	6	0.22
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	5	0.22
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	5	0.22
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	5	0.22
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	5	0.22
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	5	0.22
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	5	0.22
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	5	0.22
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	5	0.22
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	5	0.22
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	18	0.22
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	7	0.22
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	7	0.22
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	7	0.22
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	9	0.22
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	9	0.22
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	9	0.22
(1,1536)	1:67:A:VAL:HG11	1:168:A:ASN:H	18	0.22
(1,1536)	1:67:A:VAL:HG12	1:168:A:ASN:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:67:A:VAL:HG13	1:168:A:ASN:H	18	0.22
(1,1536)	1:67:A:VAL:HG21	1:168:A:ASN:H	18	0.22
(1,1536)	1:67:A:VAL:HG22	1:168:A:ASN:H	18	0.22
(1,1536)	1:67:A:VAL:HG23	1:168:A:ASN:H	18	0.22
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB2	6	0.22
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB3	6	0.22
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB2	6	0.22
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB3	6	0.22
(1,1451)	1:62:A:THR:HB	1:170:A:LYS:HB3	7	0.22
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	13	0.22
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	3	0.22
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	3	0.22
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	3	0.22
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	5	0.22
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	5	0.22
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	5	0.22
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	15	0.22
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	15	0.22
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD2	20	0.22
(1,1396)	1:58:A:LYS:H	1:58:A:LYS:HD3	20	0.22
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	6	0.22
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	5	0.22
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	9	0.22
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	17	0.22
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	17	0.22
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	17	0.22
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	8	0.22
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	8	0.22
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	8	0.22
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	17	0.22
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	17	0.22
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	17	0.22
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	3	0.22
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	3	0.22
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	3	0.22
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	17	0.22
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	17	0.22
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	17	0.22
(1,1197)	1:49:A:VAL:HG11	1:62:A:THR:H	16	0.22
(1,1197)	1:49:A:VAL:HG12	1:62:A:THR:H	16	0.22
(1,1197)	1:49:A:VAL:HG13	1:62:A:THR:H	16	0.22
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	17	0.22
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	17	0.22
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	17	0.22
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	17	0.22
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	17	0.22
(1,1183)	1:49:A:VAL:HG11	1:61:A:LEU:HA	18	0.22
(1,1183)	1:49:A:VAL:HG12	1:61:A:LEU:HA	18	0.22
(1,1183)	1:49:A:VAL:HG13	1:61:A:LEU:HA	18	0.22
(1,1183)	1:49:A:VAL:HG21	1:61:A:LEU:HA	18	0.22
(1,1183)	1:49:A:VAL:HG22	1:61:A:LEU:HA	18	0.22
(1,1183)	1:49:A:VAL:HG23	1:61:A:LEU:HA	18	0.22
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	16	0.22
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	16	0.22
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	16	0.22
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	16	0.22
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	16	0.22
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	16	0.22
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	2	0.22
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	2	0.22
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	16	0.22
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	16	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	5	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	5	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	5	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	6	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	6	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	6	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	14	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	14	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	14	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	15	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	15	0.22
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	15	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	1	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	1	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	1	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	1	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	1	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	1	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG11	12	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG12	12	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG13	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG21	12	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG22	12	0.22
(1,1142)	1:48:A:LYS:HB2	1:49:A:VAL:HG23	12	0.22
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	6	0.22
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	6	0.22
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	6	0.22
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	17	0.22
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	17	0.22
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	17	0.22
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	1	0.22
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	16	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	4	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	6	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	7	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	9	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	11	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	16	0.22
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	20	0.22
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	20	0.22
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	2	0.22
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	2	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	4	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	4	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	9	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	9	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	12	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	12	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	17	0.22
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	17	0.22
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	10	0.22
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	20	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	4	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	4	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	4	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	4	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	4	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	4	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	7	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	7	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	7	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	7	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	7	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	13	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	13	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	13	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	13	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	13	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	13	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	15	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	15	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	15	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	15	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	15	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	15	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	20	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	20	0.22
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	20	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	20	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	20	0.22
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	20	0.22
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	7	0.22
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	7	0.22
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	7	0.22
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	3	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	17	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	17	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	17	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	17	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	17	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	17	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	20	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	20	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	20	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	20	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	20	0.22
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	20	0.22
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	14	0.22
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	20	0.22
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	20	0.22
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	15	0.22
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	15	0.22
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	4	0.22
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	12	0.22
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	12	0.22
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	1	0.22
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	18	0.22
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	8	0.22
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	8	0.22
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	12	0.22
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	14	0.22
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	14	0.22
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	14	0.22
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	14	0.22
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	14	0.22
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	14	0.22
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	16	0.22
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	16	0.22
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	16	0.22
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	16	0.22
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	16	0.22
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	16	0.22
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	10	0.22
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	13	0.22
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	5	0.22
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	15	0.22
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	15	0.22
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	19	0.22
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	19	0.22
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	2	0.22
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	17	0.22
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	1	0.22
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	1	0.22
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	16	0.22
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	16	0.22
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	5	0.22
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	18	0.22
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	18	0.22
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	18	0.22
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	18	0.22
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	12	0.22
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	12	0.22
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	16	0.22
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	16	0.22
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	7	0.22
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	11	0.22
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	20	0.22
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	8	0.22
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	8	0.22
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	1	0.22
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	1	0.22
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	19	0.22
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	1	0.22
(1,746)	1:28:A:PHE:H	1:29:A:GLU:HA	16	0.22
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	4	0.22
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	4	0.22
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	4	0.22
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	3	0.22
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	19	0.22
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG11	18	0.22
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG12	18	0.22
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG13	18	0.22
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	6	0.22
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	6	0.22
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	6	0.22
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	6	0.22
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	6	0.22
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	6	0.22
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	9	0.22
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	9	0.22
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	13	0.22
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	13	0.22
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	19	0.22
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	19	0.22
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	18	0.22
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	18	0.22
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	18	0.22
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	18	0.22
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	4	0.22
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	4	0.22
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	12	0.22
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	12	0.22
(1,624)	1:24:A:LEU:HA	1:24:A:LEU:HG	1	0.22
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	20	0.22
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	10	0.22
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	2	0.22
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	2	0.22
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	4	0.22
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	8	0.22
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	10	0.22
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	14	0.22
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	15	0.22
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	9	0.22
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	12	0.22
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	5	0.22
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	9	0.22
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	7	0.22
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	7	0.22
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	7	0.22
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	7	0.22
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	7	0.22
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	7	0.22
(1,532)	1:19:A:ILE:HG12	1:20:A:THR:HA	1	0.22
(1,532)	1:19:A:ILE:HG13	1:20:A:THR:HA	1	0.22
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	16	0.22
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	16	0.22
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	16	0.22
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	18	0.22
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	18	0.22
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	18	0.22
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	19	0.22
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	19	0.22
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	19	0.22
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	20	0.22
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	20	0.22
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	20	0.22
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	20	0.22
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	20	0.22
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	20	0.22
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD11	2	0.22
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD12	2	0.22
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD13	2	0.22
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD21	2	0.22
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD22	2	0.22
(1,512)	1:18:A:LYS:H	1:124:A:LEU:HD23	2	0.22
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	4	0.22
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	10	0.22
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	10	0.22
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	10	0.22
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	20	0.22
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	4	0.22
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	13	0.22
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	15	0.22
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	16	0.22
(1,377)	1:12:A:ILE:HG13	1:13:A:ASP:H	18	0.22
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	3	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	5	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	5	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	5	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	13	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	13	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	13	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	17	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	17	0.22
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	17	0.22
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	2	0.22
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	10	0.22
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	16	0.22
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	2	0.22
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	2	0.22
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	2	0.22
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD11	7	0.22
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD12	7	0.22
(1,251)	1:9:A:LEU:H	1:9:A:LEU:HD13	7	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	5	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	5	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	5	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	5	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	5	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	5	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	9	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	9	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	9	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	9	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	9	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	9	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	15	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	15	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	15	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	15	0.22
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	15	0.22
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	20	0.22
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	18	0.22
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	18	0.22
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	18	0.22
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	16	0.22
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	16	0.22
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	16	0.22
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	16	0.22
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	16	0.22
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	16	0.22
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	16	0.22
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	16	0.22
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	16	0.22
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	16	0.22
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	16	0.22
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	16	0.22
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	3	0.22
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	3	0.22
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	3	0.22
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	3	0.22
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	3	0.22
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	3	0.22
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	3	0.22
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	3	0.22
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	3	0.22
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	3	0.22
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	3	0.22
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	3	0.22
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	18	0.22
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	18	0.22
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	18	0.22
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	18	0.22
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	18	0.22
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	18	0.22
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	18	0.22
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	18	0.22
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	18	0.22
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	18	0.22
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	18	0.22
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	5	0.22
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	5	0.22
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	20	0.22
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	20	0.22
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	3	0.22
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	3	0.22
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	3	0.22
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	3	0.22
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	3	0.22
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	3	0.22
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	11	0.22
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	11	0.22
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	11	0.22
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	3	0.22
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	3	0.22
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	3	0.22
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	9	0.22
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	12	0.22
(1,146)	1:8:A:ILE:HD11	1:166:A:SER:HA	14	0.22
(1,146)	1:8:A:ILE:HD12	1:166:A:SER:HA	14	0.22
(1,146)	1:8:A:ILE:HD13	1:166:A:SER:HA	14	0.22
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	3	0.22
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	3	0.22
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	3	0.22
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	3	0.22
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	3	0.22
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	3	0.22
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	7	0.22
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	6	0.22
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	6	0.22
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	8	0.22
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	8	0.22
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	8	0.22
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	12	0.22
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	12	0.22
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	12	0.22
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	2	0.22
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	2	0.22
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	2	0.22
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	3	0.22
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	3	0.22
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	4	0.22
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	4	0.22
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	4	0.22
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	13	0.22
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	13	0.22
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	13	0.22
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	18	0.22
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	20	0.22
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	11	0.22
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	11	0.22
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	14	0.22
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	14	0.22
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	14	0.22
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	10	0.21
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	16	0.21
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	16	0.21
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	10	0.21
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	6	0.21
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	14	0.21
(1,3217)	1:180:A:ASN:HB2	1:180:A:ASN:HD22	15	0.21
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	18	0.21
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	20	0.21
(1,3204)	1:179:A:GLU:H	1:179:A:GLU:HG3	3	0.21
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	5	0.21
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	9	0.21
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	7	0.21
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	9	0.21
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	19	0.21
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	19	0.21
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	19	0.21
(1,3119)	1:172:A:TYR:HB2	1:173:A:HIS:H	7	0.21
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	15	0.21
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	15	0.21
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	5	0.21
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	5	0.21
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	13	0.21
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	13	0.21
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	12	0.21
(1,3035)	1:158:A:ARG:HG2	1:159:A:ALA:H	16	0.21
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	9	0.21
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	11	0.21
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	12	0.21
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	16	0.21
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	2	0.21
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	16	0.21
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	3	0.21
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	6	0.21
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	11	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	5	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	5	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	5	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	5	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	5	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	5	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	9	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	9	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	9	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	9	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	9	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	9	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	10	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	10	0.21
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	10	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	10	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	10	0.21
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	10	0.21
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	3	0.21
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	16	0.21
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	16	0.21
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	16	0.21
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	8	0.21
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	4	0.21
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	4	0.21
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	4	0.21
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	10	0.21
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	10	0.21
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	10	0.21
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	10	0.21
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	10	0.21
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	10	0.21
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	15	0.21
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	15	0.21
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	7	0.21
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	10	0.21
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	14	0.21
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	16	0.21
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	18	0.21
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	16	0.21
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	16	0.21
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	16	0.21
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	16	0.21
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	16	0.21
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	16	0.21
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	3	0.21
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	20	0.21
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	20	0.21
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	4	0.21
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	10	0.21
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	19	0.21
(1,2826)	1:140:A:LEU:HG	1:142:A:SER:H	20	0.21
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	14	0.21
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	18	0.21
(1,2780)	1:133:A:ASP:HA	1:134:A:ASN:H	8	0.21
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG11	7	0.21
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG12	7	0.21
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG13	7	0.21
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG21	7	0.21
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG22	7	0.21
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG23	7	0.21
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	2	0.21
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	15	0.21
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	7	0.21
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	7	0.21
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB2	7	0.21
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB3	7	0.21
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	2	0.21
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	2	0.21
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	19	0.21
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	17	0.21
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	17	0.21
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	17	0.21
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	17	0.21
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	17	0.21
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	8	0.21
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	8	0.21
(1,2670)	1:119:A:VAL:HA	1:120:A:SER:HB2	11	0.21
(1,2670)	1:119:A:VAL:HA	1:120:A:SER:HB3	11	0.21
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	19	0.21
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	17	0.21
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	17	0.21
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	17	0.21
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	17	0.21
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	17	0.21
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	17	0.21
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	11	0.21
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	11	0.21
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	11	0.21
(1,2620)	1:116:A:LYS:HG2	1:150:A:GLU:HG2	8	0.21
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	3	0.21
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	3	0.21
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	4	0.21
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	4	0.21
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	3	0.21
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	7	0.21
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	20	0.21
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	1	0.21
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	5	0.21
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	16	0.21
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	5	0.21
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	10	0.21
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	15	0.21
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	15	0.21
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	15	0.21
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	11	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	5	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	5	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	5	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	11	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	11	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	11	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	17	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	17	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	20	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	20	0.21
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	20	0.21
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG2	7	0.21
(1,2510)	1:112:A:LYS:H	1:112:A:LYS:HG3	7	0.21
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	7	0.21
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	7	0.21
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	18	0.21
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	18	0.21
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	19	0.21
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	19	0.21
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	7	0.21
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	7	0.21
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	7	0.21
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	7	0.21
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	7	0.21
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	7	0.21
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	14	0.21
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	14	0.21
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	14	0.21
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	14	0.21
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	14	0.21
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	14	0.21
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	2	0.21
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	7	0.21
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	11	0.21
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	14	0.21
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	15	0.21
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	18	0.21
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	4	0.21
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	4	0.21
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	14	0.21
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	14	0.21
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	8	0.21
(1,2356)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	8	0.21
(1,2328)	1:99:A:GLU:H	1:100:A:ASN:HB2	1	0.21
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	2	0.21
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	2	0.21
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	2	0.21
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	2	0.21
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	3	0.21
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	3	0.21
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	3	0.21
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	3	0.21
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	3	0.21
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	3	0.21
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	3	0.21
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	3	0.21
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	3	0.21
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	3	0.21
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	3	0.21
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	3	0.21
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	3	0.21
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	3	0.21
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	3	0.21
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	10	0.21
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	10	0.21
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	10	0.21
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	10	0.21
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	10	0.21
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	10	0.21
(1,2205)	1:96:A:LEU:HD11	1:105:A:GLU:HG3	19	0.21
(1,2205)	1:96:A:LEU:HD12	1:105:A:GLU:HG3	19	0.21
(1,2205)	1:96:A:LEU:HD13	1:105:A:GLU:HG3	19	0.21
(1,2205)	1:96:A:LEU:HD21	1:105:A:GLU:HG3	19	0.21
(1,2205)	1:96:A:LEU:HD22	1:105:A:GLU:HG3	19	0.21
(1,2205)	1:96:A:LEU:HD23	1:105:A:GLU:HG3	19	0.21
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	2	0.21
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	2	0.21
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	2	0.21
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	2	0.21
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	2	0.21
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	2	0.21
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	2	0.21
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	2	0.21
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	2	0.21
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	2	0.21
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	2	0.21
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	2	0.21
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	3	0.21
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	3	0.21
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	3	0.21
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	3	0.21
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	3	0.21
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	3	0.21
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	3	0.21
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	3	0.21
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	3	0.21
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	3	0.21
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	3	0.21
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	3	0.21
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	3	0.21
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	3	0.21
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	2	0.21
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	2	0.21
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	2	0.21
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	2	0.21
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	2	0.21
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	2	0.21
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	3	0.21
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	3	0.21
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	3	0.21
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	3	0.21
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	3	0.21
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	3	0.21
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	5	0.21
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	5	0.21
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	5	0.21
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	5	0.21
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	5	0.21
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	5	0.21
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	8	0.21
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	8	0.21
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	8	0.21
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	8	0.21
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	8	0.21
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	8	0.21
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	18	0.21
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	18	0.21
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	18	0.21
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	18	0.21
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	18	0.21
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	18	0.21
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	15	0.21
(1,2135)	1:91:A:VAL:HG11	1:156:A:TYR:HD1	20	0.21
(1,2135)	1:91:A:VAL:HG11	1:156:A:TYR:HD2	20	0.21
(1,2135)	1:91:A:VAL:HG12	1:156:A:TYR:HD1	20	0.21
(1,2135)	1:91:A:VAL:HG12	1:156:A:TYR:HD2	20	0.21
(1,2135)	1:91:A:VAL:HG13	1:156:A:TYR:HD1	20	0.21
(1,2135)	1:91:A:VAL:HG13	1:156:A:TYR:HD2	20	0.21
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	10	0.21
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	17	0.21
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	18	0.21
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	3	0.21
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	6	0.21
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	3	0.21
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	3	0.21
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	13	0.21
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	13	0.21
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	2	0.21
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	4	0.21
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	4	0.21
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	6	0.21
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	6	0.21
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	2	0.21
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	2	0.21
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	2	0.21
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	4	0.21
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	8	0.21
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	20	0.21
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	20	0.21
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	2	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	2	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	3	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	11	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	13	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	17	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	18	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	19	0.21
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	20	0.21
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	8	0.21
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	8	0.21
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	8	0.21
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	11	0.21
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	11	0.21
(1,1934)	1:81:A:LEU:HD11	1:85:A:ARG:HD2	9	0.21
(1,1934)	1:81:A:LEU:HD12	1:85:A:ARG:HD2	9	0.21
(1,1934)	1:81:A:LEU:HD13	1:85:A:ARG:HD2	9	0.21
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	16	0.21
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	16	0.21
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	16	0.21
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	16	0.21
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	16	0.21
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	16	0.21
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	14	0.21
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	1	0.21
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	7	0.21
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	15	0.21
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	17	0.21
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	8	0.21
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	8	0.21
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	14	0.21
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	14	0.21
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	18	0.21
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	18	0.21
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	7	0.21
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	7	0.21
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	12	0.21
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	12	0.21
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	18	0.21
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	18	0.21
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	20	0.21
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	20	0.21
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	12	0.21
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	12	0.21
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	10	0.21
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	15	0.21
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG21	8	0.21
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG22	8	0.21
(1,1806)	1:78:A:ARG:HG2	1:157:A:VAL:HG23	8	0.21
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	7	0.21
(1,1778)	1:78:A:ARG:HB2	1:79:A:PHE:H	4	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	2	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	2	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	2	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	10	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	10	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	11	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	11	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	11	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	17	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	17	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	17	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	20	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	20	0.21
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	20	0.21
(1,1766)	1:77:A:ILE:H	1:91:A:VAL:HB	20	0.21
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	3	0.21
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	3	0.21
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	3	0.21
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	9	0.21
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	9	0.21
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	9	0.21
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	14	0.21
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	14	0.21
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	14	0.21
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	15	0.21
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	15	0.21
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	15	0.21
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	20	0.21
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	20	0.21
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	20	0.21
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	13	0.21
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	13	0.21
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	13	0.21
(1,1702)	1:76:A:LEU:H	1:159:A:ALA:H	2	0.21
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	7	0.21
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	7	0.21
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	7	0.21
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	7	0.21
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	7	0.21
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	7	0.21
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	12	0.21
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	12	0.21
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	12	0.21
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	12	0.21
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	12	0.21
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	18	0.21
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	18	0.21
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	18	0.21
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	18	0.21
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	18	0.21
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	18	0.21
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	19	0.21
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	19	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	1	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	1	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	1	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	8	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	8	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	8	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	12	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	12	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	12	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	17	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	17	0.21
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	17	0.21
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	5	0.21
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	5	0.21
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	5	0.21
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	5	0.21
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	5	0.21
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	5	0.21
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	12	0.21
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	12	0.21
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	12	0.21
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	12	0.21
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	12	0.21
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	12	0.21
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG21	9	0.21
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG22	9	0.21
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG23	9	0.21
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	3	0.21
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	3	0.21
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	3	0.21
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	6	0.21
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	6	0.21
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	7	0.21
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	7	0.21
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	19	0.21
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	19	0.21
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	19	0.21
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	20	0.21
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	20	0.21
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	20	0.21
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	2	0.21
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	13	0.21
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	20	0.21
(1,1584)	1:69:A:LYS:HG2	1:163:A:PHE:HB2	3	0.21
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	17	0.21
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	16	0.21
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	14	0.21
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	14	0.21
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	15	0.21
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	15	0.21
(1,1451)	1:62:A:THR:HB	1:170:A:LYS:HB3	1	0.21
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	4	0.21
(1,1410)	1:59:A:VAL:H	1:60:A:VAL:H	5	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	9	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	9	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	9	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	11	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	11	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	11	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	14	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	14	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	14	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	18	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	18	0.21
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	18	0.21
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG11	8	0.21
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG12	8	0.21
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG13	8	0.21
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	7	0.21
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	7	0.21
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	7	0.21
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	7	0.21
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	7	0.21
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:58:A:LYS:HB2	1:59:A:VAL:H	11	0.21
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	3	0.21
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	8	0.21
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	18	0.21
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	1	0.21
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	17	0.21
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	17	0.21
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	17	0.21
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	17	0.21
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	17	0.21
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	17	0.21
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	2	0.21
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	2	0.21
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	3	0.21
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	3	0.21
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	3	0.21
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	16	0.21
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	16	0.21
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	16	0.21
(1,1276)	1:52:A:ILE:HG21	1:58:A:LYS:HB2	5	0.21
(1,1276)	1:52:A:ILE:HG22	1:58:A:LYS:HB2	5	0.21
(1,1276)	1:52:A:ILE:HG23	1:58:A:LYS:HB2	5	0.21
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	4	0.21
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	11	0.21
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	11	0.21
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	11	0.21
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG11	7	0.21
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG12	7	0.21
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG13	7	0.21
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG21	7	0.21
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG22	7	0.21
(1,1214)	1:50:A:TYR:HB2	1:59:A:VAL:HG23	7	0.21
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG11	7	0.21
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG12	7	0.21
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG13	7	0.21
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG21	7	0.21
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG22	7	0.21
(1,1214)	1:50:A:TYR:HB3	1:59:A:VAL:HG23	7	0.21
(1,1197)	1:49:A:VAL:HG11	1:62:A:THR:H	14	0.21
(1,1197)	1:49:A:VAL:HG12	1:62:A:THR:H	14	0.21
(1,1197)	1:49:A:VAL:HG13	1:62:A:THR:H	14	0.21
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	2	0.21
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	2	0.21
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	2	0.21
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	2	0.21
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	2	0.21
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	2	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	1	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	1	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	1	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	1	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	1	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	1	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	10	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	10	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	10	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	10	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	10	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	10	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	14	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	14	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	14	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	14	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	14	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	14	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	19	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	19	0.21
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	19	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	19	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	19	0.21
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	19	0.21
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	13	0.21
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	13	0.21
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	13	0.21
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	9	0.21
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	9	0.21
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	9	0.21
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	3	0.21
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	6	0.21
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	12	0.21
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	13	0.21
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	18	0.21
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	4	0.21
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	4	0.21
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	1	0.21
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	3	0.21
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	13	0.21
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	14	0.21
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	15	0.21
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	19	0.21
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	10	0.21
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	8	0.21
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	8	0.21
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	13	0.21
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	13	0.21
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	2	0.21
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	9	0.21
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	12	0.21
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	16	0.21
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	17	0.21
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	19	0.21
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	18	0.21
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	18	0.21
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	18	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	3	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	3	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	3	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	3	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	3	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	3	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	9	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	9	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	9	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	9	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	9	0.21
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	9	0.21
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	6	0.21
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	6	0.21
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	10	0.21
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	10	0.21
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	19	0.21
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	19	0.21
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	7	0.21
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	15	0.21
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	20	0.21
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	4	0.21
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	2	0.21
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	2	0.21
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	2	0.21
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	2	0.21
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	2	0.21
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	2	0.21
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	6	0.21
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	6	0.21
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	6	0.21
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	6	0.21
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	6	0.21
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	6	0.21
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	7	0.21
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	7	0.21
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	7	0.21
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	7	0.21
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	7	0.21
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	7	0.21
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	10	0.21
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	10	0.21
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	10	0.21
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	10	0.21
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	10	0.21
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	10	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	11	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	11	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	11	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	11	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	11	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	11	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	13	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	13	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	13	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	13	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	13	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	13	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	14	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	14	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	14	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	14	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	14	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	16	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	16	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	16	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	16	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	16	0.21
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	16	0.21
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	2	0.21
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	2	0.21
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	7	0.21
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	7	0.21
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	17	0.21
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	17	0.21
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	20	0.21
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	20	0.21
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	13	0.21
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	18	0.21
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	14	0.21
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	14	0.21
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	20	0.21
(1,826)	1:32:A:ARG:HG2	1:33:A:TYR:H	13	0.21
(1,826)	1:32:A:ARG:HG3	1:33:A:TYR:H	13	0.21
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	5	0.21
(1,809)	1:31:A:GLU:H	1:32:A:ARG:H	3	0.21
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	5	0.21
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	5	0.21
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	5	0.21
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	14	0.21
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	14	0.21
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	8	0.21
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	9	0.21
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	10	0.21
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	20	0.21
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	20	0.21
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	11	0.21
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	8	0.21
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	5	0.21
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	1	0.21
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	1	0.21
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	15	0.21
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	15	0.21
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	6	0.21
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	6	0.21
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	6	0.21
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	6	0.21
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	8	0.21
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	8	0.21
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	10	0.21
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	10	0.21
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	15	0.21
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	15	0.21
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	2	0.21
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	20	0.21
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	1	0.21
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	1	0.21
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	1	0.21
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	5	0.21
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	5	0.21
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	5	0.21
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	9	0.21
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	9	0.21
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	9	0.21
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	2	0.21
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	2	0.21
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	2	0.21
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	2	0.21
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	2	0.21
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	2	0.21
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	14	0.21
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	14	0.21
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	14	0.21
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	14	0.21
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	14	0.21
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	14	0.21
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	12	0.21
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	12	0.21
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	12	0.21
(1,443)	1:15:A:VAL:HA	1:16:A:PRO:HG2	1	0.21
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	2	0.21
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	5	0.21
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	10	0.21
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	14	0.21
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	19	0.21
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	3	0.21
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	16	0.21
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	17	0.21
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	6	0.21
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	6	0.21
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	6	0.21
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	6	0.21
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	6	0.21
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	6	0.21
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	6	0.21
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	6	0.21
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	6	0.21
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	6	0.21
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	6	0.21
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	6	0.21
(1,308)	1:11:A:GLN:HA	1:16:A:PRO:HB2	9	0.21
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	6	0.21
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	4	0.21
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	4	0.21
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	4	0.21
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	12	0.21
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	12	0.21
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	12	0.21
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	18	0.21
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	20	0.21
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	9	0.21
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	9	0.21
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	9	0.21
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	18	0.21
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	18	0.21
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	18	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	6	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	6	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	6	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	6	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	6	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	6	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	18	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	18	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	18	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	18	0.21
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	18	0.21
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	7	0.21
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	7	0.21
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	7	0.21
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	7	0.21
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	7	0.21
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	7	0.21
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	7	0.21
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	7	0.21
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	7	0.21
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	7	0.21
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	10	0.21
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	10	0.21
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	16	0.21
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	16	0.21
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	16	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	6	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	6	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	6	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	8	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	8	0.21
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	8	0.21
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	15	0.21
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	16	0.21
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	18	0.21
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	19	0.21
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	2	0.21
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	2	0.21
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	18	0.21
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	18	0.21
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	18	0.21
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	5	0.21
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	11	0.21
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	11	0.21
(1,37)	1:3:A:PRO:HD2	1:89:A:THR:HA	19	0.21
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	13	0.21
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	13	0.21
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	6	0.21
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	6	0.21
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	18	0.21
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	18	0.21
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	18	0.21
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	18	0.21
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	18	0.21
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	18	0.21
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	3	0.2
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	4	0.2
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	13	0.2
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	4	0.2
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	1	0.2
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	5	0.2
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	6	0.2
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	12	0.2
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	13	0.2
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	17	0.2
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	7	0.2
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	11	0.2
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	3	0.2
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	3	0.2
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	3	0.2
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	16	0.2
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	16	0.2
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	16	0.2
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	2	0.2
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	2	0.2
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	11	0.2
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	11	0.2
(1,3041)	1:159:A:ALA:HA	1:161:A:ASP:H	19	0.2
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	4	0.2
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	11	0.2
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	11	0.2
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	16	0.2
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	16	0.2
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	10	0.2
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	17	0.2
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	14	0.2
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	16	0.2
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	18	0.2
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	19	0.2
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	20	0.2
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	20	0.2
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	13	0.2
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	15	0.2
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	12	0.2
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	12	0.2
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	12	0.2
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	12	0.2
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	12	0.2
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	12	0.2
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	3	0.2
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	3	0.2
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	3	0.2
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	3	0.2
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	3	0.2
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	3	0.2
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	9	0.2
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	9	0.2
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	9	0.2
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	9	0.2
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	9	0.2
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	9	0.2
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	17	0.2
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	17	0.2
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	17	0.2
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	17	0.2
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	17	0.2
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	17	0.2
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	8	0.2
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	8	0.2
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	7	0.2
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	10	0.2
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	1	0.2
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	1	0.2
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	5	0.2
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	11	0.2
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	3	0.2
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	3	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	3	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	3	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	3	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	15	0.2
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	15	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	15	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	15	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	15	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	15	0.2
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	20	0.2
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	20	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	20	0.2
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	20	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	20	0.2
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	20	0.2
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	15	0.2
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	15	0.2
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	15	0.2
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	10	0.2
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	15	0.2
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	10	0.2
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	10	0.2
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	19	0.2
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	19	0.2
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	20	0.2
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	20	0.2
(1,2831)	1:143:A:PRO:HB2	1:144:A:GLU:H	2	0.2
(1,2831)	1:143:A:PRO:HB3	1:144:A:GLU:H	2	0.2
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	15	0.2
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	8	0.2
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	14	0.2
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG2	7	0.2
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG3	7	0.2
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	3	0.2
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	17	0.2
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	3	0.2
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	3	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG11	13	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG12	13	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG13	13	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG21	13	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG22	13	0.2
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG23	13	0.2
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD21	2	0.2
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD22	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD23	2	0.2
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	3	0.2
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	3	0.2
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	3	0.2
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD21	4	0.2
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD22	4	0.2
(1,2752)	1:124:A:LEU:HA	1:124:A:LEU:HD23	4	0.2
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD21	15	0.2
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD22	15	0.2
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	6	0.2
(1,2729)	1:122:A:LEU:HA	1:123:A:GLU:H	16	0.2
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	2	0.2
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	2	0.2
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	11	0.2
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	11	0.2
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	11	0.2
(1,2689)	1:119:A:VAL:H	1:119:A:VAL:HB	4	0.2
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	6	0.2
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	8	0.2
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	10	0.2
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	10	0.2
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	18	0.2
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	19	0.2
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	10	0.2
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	19	0.2
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	3	0.2
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	7	0.2
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	9	0.2
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	14	0.2
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	16	0.2
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	12	0.2
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	12	0.2
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	14	0.2
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	14	0.2
(1,2392)	1:104:A:ILE:HG12	1:105:A:GLU:H	13	0.2
(1,2392)	1:104:A:ILE:HG13	1:105:A:GLU:H	13	0.2
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	3	0.2
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	17	0.2
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	17	0.2
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	17	0.2
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	5	0.2
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	15	0.2
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	16	0.2
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	16	0.2
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	1	0.2
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	1	0.2
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	1	0.2
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	1	0.2
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	1	0.2
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	1	0.2
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	7	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	1	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	1	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	1	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	11	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	11	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	11	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	14	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	14	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	14	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	15	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	15	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	15	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	16	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	16	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	16	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	17	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	17	0.2
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	17	0.2
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	6	0.2
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	6	0.2
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	6	0.2
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	6	0.2
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	6	0.2
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	6	0.2
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	8	0.2
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	8	0.2
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	8	0.2
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	8	0.2
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	8	0.2
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	8	0.2
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	10	0.2
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	6	0.2
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	20	0.2
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	20	0.2
(1,2032)	1:85:A:ARG:HG2	1:179:A:GLU:H	9	0.2
(1,2032)	1:85:A:ARG:HG3	1:179:A:GLU:H	9	0.2
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	12	0.2
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	1	0.2
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	9	0.2
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	16	0.2
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	16	0.2
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	8	0.2
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	14	0.2
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	17	0.2
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	17	0.2
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	7	0.2
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	10	0.2
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	12	0.2
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	14	0.2
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	16	0.2
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	1	0.2
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	1	0.2
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	1	0.2
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	18	0.2
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	18	0.2
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	18	0.2
(1,1934)	1:81:A:LEU:HD11	1:85:A:ARG:HD2	12	0.2
(1,1934)	1:81:A:LEU:HD12	1:85:A:ARG:HD2	12	0.2
(1,1934)	1:81:A:LEU:HD13	1:85:A:ARG:HD2	12	0.2
(1,1934)	1:81:A:LEU:HD11	1:85:A:ARG:HD2	15	0.2
(1,1934)	1:81:A:LEU:HD12	1:85:A:ARG:HD2	15	0.2
(1,1934)	1:81:A:LEU:HD13	1:85:A:ARG:HD2	15	0.2
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	3	0.2
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	10	0.2
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	17	0.2
(1,1887)	1:80:A:GLU:H	1:151:A:ILE:HG12	13	0.2
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	10	0.2
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	19	0.2
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	8	0.2
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	8	0.2
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	5	0.2
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	5	0.2
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	16	0.2
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	9	0.2
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	9	0.2
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	16	0.2
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	16	0.2
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	7	0.2
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	7	0.2
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	8	0.2
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	8	0.2
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	8	0.2
(1,1822)	1:79:A:PHE:HB3	1:151:A:ILE:HG13	19	0.2
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	7	0.2
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	14	0.2
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	9	0.2
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	13	0.2
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	16	0.2
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	16	0.2
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	9	0.2
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	9	0.2
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	9	0.2
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	19	0.2
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	19	0.2
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	19	0.2
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	4	0.2
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	4	0.2
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	4	0.2
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	7	0.2
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	7	0.2
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	7	0.2
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	13	0.2
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	13	0.2
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	13	0.2
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	19	0.2
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	19	0.2
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	19	0.2
(1,1721)	1:77:A:ILE:HD11	1:91:A:VAL:HA	3	0.2
(1,1721)	1:77:A:ILE:HD12	1:91:A:VAL:HA	3	0.2
(1,1721)	1:77:A:ILE:HD13	1:91:A:VAL:HA	3	0.2
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	2	0.2
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	14	0.2
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	4	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	11	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	11	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	15	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	15	0.2
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	15	0.2
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	18	0.2
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	18	0.2
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	3	0.2
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	3	0.2
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	3	0.2
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	3	0.2
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	3	0.2
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	3	0.2
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG21	4	0.2
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG22	4	0.2
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG23	4	0.2
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	5	0.2
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	5	0.2
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	5	0.2
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	4	0.2
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	4	0.2
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	15	0.2
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	15	0.2
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	3	0.2
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	3	0.2
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	3	0.2
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	10	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	13	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	13	0.2
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	13	0.2
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	13	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	13	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	13	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	17	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	17	0.2
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	17	0.2
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	17	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	17	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	17	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	18	0.2
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	18	0.2
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	18	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	18	0.2
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	18	0.2
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	15	0.2
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	2	0.2
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	2	0.2
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	2	0.2
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	2	0.2
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	2	0.2
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	2	0.2
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	2	0.2
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	4	0.2
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	9	0.2
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	13	0.2
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	19	0.2
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	4	0.2
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	4	0.2
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	4	0.2
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	4	0.2
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	4	0.2
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	4	0.2
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	16	0.2
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	16	0.2
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	16	0.2
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	16	0.2
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	16	0.2
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	16	0.2
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	16	0.2
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	16	0.2
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	16	0.2
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	16	0.2
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	16	0.2
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	16	0.2
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	16	0.2
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	16	0.2
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	16	0.2
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	16	0.2
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	16	0.2
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	16	0.2
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	6	0.2
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	6	0.2
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	6	0.2
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	18	0.2
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	18	0.2
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	7	0.2
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	7	0.2
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	7	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	6	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	6	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	6	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	7	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	7	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	7	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	15	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	15	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	15	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	17	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	17	0.2
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	17	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG11	16	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG12	16	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG13	16	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG11	19	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG12	19	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG13	19	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG11	20	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG12	20	0.2
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG13	20	0.2
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	6	0.2
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	20	0.2
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG21	5	0.2
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG22	5	0.2
(1,1356)	1:55:A:GLU:HG2	1:56:A:THR:HG23	5	0.2
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	2	0.2
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	2	0.2
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	2	0.2
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	2	0.2
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	2	0.2
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	2	0.2
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	6	0.2
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	11	0.2
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	3	0.2
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	15	0.2
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	19	0.2
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	11	0.2
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	11	0.2
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	11	0.2
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	7	0.2
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	7	0.2
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	7	0.2
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	13	0.2
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	13	0.2
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	13	0.2
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	14	0.2
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	14	0.2
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	14	0.2
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	1	0.2
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	1	0.2
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	1	0.2
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	9	0.2
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	9	0.2
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	9	0.2
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	1	0.2
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	10	0.2
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	19	0.2
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	19	0.2
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	19	0.2
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	19	0.2
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	19	0.2
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	19	0.2
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	8	0.2
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	8	0.2
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	8	0.2
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	8	0.2
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	8	0.2
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	8	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	2	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	2	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	2	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	2	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	2	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	2	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	4	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	4	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	4	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	4	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	4	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	13	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	13	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	13	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	13	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	13	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	13	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	17	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	17	0.2
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	17	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	17	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	17	0.2
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	17	0.2
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	17	0.2
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	17	0.2
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	3	0.2
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	3	0.2
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	3	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	4	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	4	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	4	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	5	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	5	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	5	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD21	19	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD22	19	0.2
(1,1127)	1:48:A:LYS:HA	1:61:A:LEU:HD23	19	0.2
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	9	0.2
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	8	0.2
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	8	0.2
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	8	0.2
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	6	0.2
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	13	0.2
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	19	0.2
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	19	0.2
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	10	0.2
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	17	0.2
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	18	0.2
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	8	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	2	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	2	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	10	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	10	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	16	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	16	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	18	0.2
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	18	0.2
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	7	0.2
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	11	0.2
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	13	0.2
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	15	0.2
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	17	0.2
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	17	0.2
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	17	0.2
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	17	0.2
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	17	0.2
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	17	0.2
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	20	0.2
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	20	0.2
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	20	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	4	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	4	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	4	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	4	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	4	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	4	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	19	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	19	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	19	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	19	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	19	0.2
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	19	0.2
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	11	0.2
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	17	0.2
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	19	0.2
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	19	0.2
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	3	0.2
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	3	0.2
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	18	0.2
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	14	0.2
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	20	0.2
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	18	0.2
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	19	0.2
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	8	0.2
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	8	0.2
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	8	0.2
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	8	0.2
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	8	0.2
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	8	0.2
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	11	0.2
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	11	0.2
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	11	0.2
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	11	0.2
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	11	0.2
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	11	0.2
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	3	0.2
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	19	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	1	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	1	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	1	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	1	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	1	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	1	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	3	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	3	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	3	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	3	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	3	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	3	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	19	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	19	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	19	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	19	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	19	0.2
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	19	0.2
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	2	0.2
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	2	0.2
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	15	0.2
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	15	0.2
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	6	0.2
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	7	0.2
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	14	0.2
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	6	0.2
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	6	0.2
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	1	0.2
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	17	0.2
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	8	0.2
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	8	0.2
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	3	0.2
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	18	0.2
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	18	0.2
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	6	0.2
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	18	0.2
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	1	0.2
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	4	0.2
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	12	0.2
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	13	0.2
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	19	0.2
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	14	0.2
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	1	0.2
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	2	0.2
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	5	0.2
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	15	0.2
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	6	0.2
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	5	0.2
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	5	0.2
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	5	0.2
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	9	0.2
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	14	0.2
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	16	0.2
(1,658)	1:25:A:TYR:HB2	1:27:A:LEU:H	2	0.2
(1,658)	1:25:A:TYR:HB3	1:27:A:LEU:H	2	0.2
(1,657)	1:25:A:TYR:HB2	1:26:A:GLU:H	17	0.2
(1,657)	1:25:A:TYR:HB3	1:26:A:GLU:H	17	0.2
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	14	0.2
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	14	0.2
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	1	0.2
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	1	0.2
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	10	0.2
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	10	0.2
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	17	0.2
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	19	0.2
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	8	0.2
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	19	0.2
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	1	0.2
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	14	0.2
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	17	0.2
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	9	0.2
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	9	0.2
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	9	0.2
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	14	0.2
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	14	0.2
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	14	0.2
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	14	0.2
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	14	0.2
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	14	0.2
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	4	0.2
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	4	0.2
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	4	0.2
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	4	0.2
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	4	0.2
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	4	0.2
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	15	0.2
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	15	0.2
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	15	0.2
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	15	0.2
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	15	0.2
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	15	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	3	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	3	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	3	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	5	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	5	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	5	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	17	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	17	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	17	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	18	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	18	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	18	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	19	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	19	0.2
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	1	0.2
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	9	0.2
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	18	0.2
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	8	0.2
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	14	0.2
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	15	0.2
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	5	0.2
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	5	0.2
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	5	0.2
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	5	0.2
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	5	0.2
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	5	0.2
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	18	0.2
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	2	0.2
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	2	0.2
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	2	0.2
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	2	0.2
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	2	0.2
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	2	0.2
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	17	0.2
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	17	0.2
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	17	0.2
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	17	0.2
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	17	0.2
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	17	0.2
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	16	0.2
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	16	0.2
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	16	0.2
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	12	0.2
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	16	0.2
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	16	0.2
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	16	0.2
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	5	0.2
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	14	0.2
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	17	0.2
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	17	0.2
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	17	0.2
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	17	0.2
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	17	0.2
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	17	0.2
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	8	0.2
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	8	0.2
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	8	0.2
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	8	0.2
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	8	0.2
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	8	0.2
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	8	0.2
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	8	0.2
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	8	0.2
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	8	0.2
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	8	0.2
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	14	0.2
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	14	0.2
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	14	0.2
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	14	0.2
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	14	0.2
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	14	0.2
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	14	0.2
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	14	0.2
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	14	0.2
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	14	0.2
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	14	0.2
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	14	0.2
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	8	0.2
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	8	0.2
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	8	0.2
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	8	0.2
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	8	0.2
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	8	0.2
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	13	0.2
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	13	0.2
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	13	0.2
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	13	0.2
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	13	0.2
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	13	0.2
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG21	6	0.2
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG22	6	0.2
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG23	6	0.2
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG21	12	0.2
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG22	12	0.2
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG23	12	0.2
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	15	0.2
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	15	0.2
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	15	0.2
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	15	0.2
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	15	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	1	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	1	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	1	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	7	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	7	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	7	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	19	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	19	0.2
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	19	0.2
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	2	0.2
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	3	0.2
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	3	0.2
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	3	0.2
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	7	0.2
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	18	0.2
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	14	0.2
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	15	0.2
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	6	0.2
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG21	13	0.2
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG22	13	0.2
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG23	13	0.2
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	1	0.2
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	8	0.2
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	9	0.2
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	10	0.2
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	16	0.2
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	2	0.2
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	2	0.2
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	1	0.2
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	1	0.2
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	1	0.2
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	11	0.19
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	17	0.19
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	8	0.19
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	3	0.19
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	3	0.19
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	3	0.19
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	6	0.19
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	6	0.19
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	6	0.19
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	7	0.19
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	7	0.19
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	7	0.19
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	7	0.19
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	7	0.19
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	7	0.19
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	1	0.19
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	1	0.19
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	8	0.19
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	8	0.19
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	13	0.19
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	13	0.19
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	3	0.19
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	3	0.19
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB2	15	0.19
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB3	15	0.19
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	14	0.19
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	10	0.19
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	18	0.19
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	14	0.19
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	4	0.19
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	9	0.19
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	18	0.19
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	1	0.19
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	1	0.19
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	1	0.19
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	18	0.19
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	18	0.19
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	18	0.19
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	3	0.19
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	3	0.19
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	3	0.19
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	3	0.19
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	3	0.19
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	3	0.19
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	16	0.19
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	16	0.19
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	16	0.19
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	16	0.19
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	16	0.19
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG2	20	0.19
(1,2971)	1:154:A:ILE:HG21	1:155:A:LYS:HG3	20	0.19
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG2	20	0.19
(1,2971)	1:154:A:ILE:HG22	1:155:A:LYS:HG3	20	0.19
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG2	20	0.19
(1,2971)	1:154:A:ILE:HG23	1:155:A:LYS:HG3	20	0.19
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	11	0.19
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	11	0.19
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	6	0.19
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	12	0.19
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	17	0.19
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	3	0.19
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	9	0.19
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	15	0.19
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	20	0.19
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	13	0.19
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	13	0.19
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	13	0.19
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	13	0.19
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	13	0.19
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	13	0.19
(1,2875)	1:148:A:LEU:H	1:148:A:LEU:HG	15	0.19
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	10	0.19
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	10	0.19
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	10	0.19
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	10	0.19
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	10	0.19
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	10	0.19
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	2	0.19
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	2	0.19
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	4	0.19
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	4	0.19
(1,2832)	1:143:A:PRO:HB3	1:144:A:GLU:H	16	0.19
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	9	0.19
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG2	2	0.19
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG3	2	0.19
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	15	0.19
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	15	0.19
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	5	0.19
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	9	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	9	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	9	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	15	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	15	0.19
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	15	0.19
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	4	0.19
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	4	0.19
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	16	0.19
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	16	0.19
(1,2733)	1:122:A:LEU:HA	1:145:A:HIS:HB2	18	0.19
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	1	0.19
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	1	0.19
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	20	0.19
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	20	0.19
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	17	0.19
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	17	0.19
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	8	0.19
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	6	0.19
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	6	0.19
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	6	0.19
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	6	0.19
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	6	0.19
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	6	0.19
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	2	0.19
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	5	0.19
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	10	0.19
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	11	0.19
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	1	0.19
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	6	0.19
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	20	0.19
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD11	3	0.19
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD12	3	0.19
(1,2563)	1:115:A:ASP:HB3	1:154:A:ILE:HD13	3	0.19
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	10	0.19
(1,2542)	1:114:A:GLY:HA3	1:150:A:GLU:HG2	8	0.19
(1,2542)	1:114:A:GLY:HA3	1:150:A:GLU:HG3	8	0.19
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	13	0.19
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	13	0.19
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	13	0.19
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	13	0.19
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	13	0.19
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	15	0.19
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	15	0.19
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	15	0.19
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	15	0.19
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	15	0.19
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	15	0.19
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	6	0.19
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	6	0.19
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	6	0.19
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	18	0.19
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	18	0.19
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	18	0.19
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG2	13	0.19
(1,2497)	1:112:A:LYS:HA	1:112:A:LYS:HG3	13	0.19
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	11	0.19
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	11	0.19
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	2	0.19
(1,2430)	1:106:A:LYS:H	1:106:A:LYS:HB2	17	0.19
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	6	0.19
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	6	0.19
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	10	0.19
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	10	0.19
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	12	0.19
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	12	0.19
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	7	0.19
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	9	0.19
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	11	0.19
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	4	0.19
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	5	0.19
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	16	0.19
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	6	0.19
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	6	0.19
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	6	0.19
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	2	0.19
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	10	0.19
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	10	0.19
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	10	0.19
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	10	0.19
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	12	0.19
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	12	0.19
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	12	0.19
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	19	0.19
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	1	0.19
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	1	0.19
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	1	0.19
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	1	0.19
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	1	0.19
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	1	0.19
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	19	0.19
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	19	0.19
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	19	0.19
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	19	0.19
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	19	0.19
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	19	0.19
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	2	0.19
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	2	0.19
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	2	0.19
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	2	0.19
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	2	0.19
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	2	0.19
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	13	0.19
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	20	0.19
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	20	0.19
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	20	0.19
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	20	0.19
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	20	0.19
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	20	0.19
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	20	0.19
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	20	0.19
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	20	0.19
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	20	0.19
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	20	0.19
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	20	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	6	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	6	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	6	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	7	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	7	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	7	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	9	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	9	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	19	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	19	0.19
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	19	0.19
(1,2171)	1:95:A:VAL:HG11	1:110:A:GLU:H	4	0.19
(1,2171)	1:95:A:VAL:HG12	1:110:A:GLU:H	4	0.19
(1,2171)	1:95:A:VAL:HG13	1:110:A:GLU:H	4	0.19
(1,2171)	1:95:A:VAL:HG21	1:110:A:GLU:H	4	0.19
(1,2171)	1:95:A:VAL:HG22	1:110:A:GLU:H	4	0.19
(1,2171)	1:95:A:VAL:HG23	1:110:A:GLU:H	4	0.19
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	2	0.19
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	16	0.19
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	20	0.19
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	9	0.19
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	9	0.19
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	9	0.19
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	14	0.19
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	14	0.19
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	14	0.19
(1,2138)	1:91:A:VAL:HG21	1:93:A:HIS:H	20	0.19
(1,2138)	1:91:A:VAL:HG22	1:93:A:HIS:H	20	0.19
(1,2138)	1:91:A:VAL:HG23	1:93:A:HIS:H	20	0.19
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	12	0.19
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	12	0.19
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	12	0.19
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	19	0.19
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	4	0.19
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	13	0.19
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	19	0.19
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	6	0.19
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	6	0.19
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	9	0.19
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	9	0.19
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	10	0.19
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	10	0.19
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	20	0.19
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	16	0.19
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	16	0.19
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	12	0.19
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	12	0.19
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	12	0.19
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	3	0.19
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	10	0.19
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	5	0.19
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	6	0.19
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	10	0.19
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	10	0.19
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	10	0.19
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	7	0.19
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	7	0.19
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	7	0.19
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	7	0.19
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	7	0.19
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	7	0.19
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	11	0.19
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	11	0.19
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	11	0.19
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	11	0.19
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	11	0.19
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	11	0.19
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	9	0.19
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	15	0.19
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	20	0.19
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	2	0.19
(1,1883)	1:80:A:GLU:H	1:81:A:LEU:H	4	0.19
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	17	0.19
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	17	0.19
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	19	0.19
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	6	0.19
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	11	0.19
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	3	0.19
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	3	0.19
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	3	0.19
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	2	0.19
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	2	0.19
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	2	0.19
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	12	0.19
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	12	0.19
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	12	0.19
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	18	0.19
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	18	0.19
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	18	0.19
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	10	0.19
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	10	0.19
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	16	0.19
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	16	0.19
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	16	0.19
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	16	0.19
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	16	0.19
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	16	0.19
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	4	0.19
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	4	0.19
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	4	0.19
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	15	0.19
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG21	11	0.19
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG22	11	0.19
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG23	11	0.19
(1,1665)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	4	0.19
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	10	0.19
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	9	0.19
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	9	0.19
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	11	0.19
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	11	0.19
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	4	0.19
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	4	0.19
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	4	0.19
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	20	0.19
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	20	0.19
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	20	0.19
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	20	0.19
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	20	0.19
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	20	0.19
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	5	0.19
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	9	0.19
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	17	0.19
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	8	0.19
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	8	0.19
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	8	0.19
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	8	0.19
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	8	0.19
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	8	0.19
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	14	0.19
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	14	0.19
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	14	0.19
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	9	0.19
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	9	0.19
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	9	0.19
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	9	0.19
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	9	0.19
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	9	0.19
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	17	0.19
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	17	0.19
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	17	0.19
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	17	0.19
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	17	0.19
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	17	0.19
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	20	0.19
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	20	0.19
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	20	0.19
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	20	0.19
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	20	0.19
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	20	0.19
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	3	0.19
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	8	0.19
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	8	0.19
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	8	0.19
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	20	0.19
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	20	0.19
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	20	0.19
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	9	0.19
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	9	0.19
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	9	0.19
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	20	0.19
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	20	0.19
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	20	0.19
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	9	0.19
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	9	0.19
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	9	0.19
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	9	0.19
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	9	0.19
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	9	0.19
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	16	0.19
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	16	0.19
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	13	0.19
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	13	0.19
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	16	0.19
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	16	0.19
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	16	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	1	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	1	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	1	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	4	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	4	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	4	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	10	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	10	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	10	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	13	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	13	0.19
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	13	0.19
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD2	15	0.19
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD3	15	0.19
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	11	0.19
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	13	0.19
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	6	0.19
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	14	0.19
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	16	0.19
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	20	0.19
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	7	0.19
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	19	0.19
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	5	0.19
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	5	0.19
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	5	0.19
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	5	0.19
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	5	0.19
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	5	0.19
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	20	0.19
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	20	0.19
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	20	0.19
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	20	0.19
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	20	0.19
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	20	0.19
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	10	0.19
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	5	0.19
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	16	0.19
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	17	0.19
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	17	0.19
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	17	0.19
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	1	0.19
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	1	0.19
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	1	0.19
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	2	0.19
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	2	0.19
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	2	0.19
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	5	0.19
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	5	0.19
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	5	0.19
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	11	0.19
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	11	0.19
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	11	0.19
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	7	0.19
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	20	0.19
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	5	0.19
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	17	0.19
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	8	0.19
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	8	0.19
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	8	0.19
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	10	0.19
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	10	0.19
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	10	0.19
(1,1230)	1:51:A:SER:HB3	1:62:A:THR:HG21	9	0.19
(1,1230)	1:51:A:SER:HB3	1:62:A:THR:HG22	9	0.19
(1,1230)	1:51:A:SER:HB3	1:62:A:THR:HG23	9	0.19
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	16	0.19
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	5	0.19
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	5	0.19
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	5	0.19
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	5	0.19
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	5	0.19
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	5	0.19
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	7	0.19
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	7	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	1	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	1	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	1	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	9	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	9	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD11	12	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD12	12	0.19
(1,1147)	1:48:A:LYS:HB2	1:64:A:ILE:HD13	12	0.19
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	15	0.19
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	19	0.19
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	12	0.19
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	12	0.19
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	12	0.19
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	11	0.19
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	12	0.19
(1,1084)	1:45:A:ARG:H	1:46:A:GLU:H	5	0.19
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	14	0.19
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	9	0.19
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	9	0.19
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	16	0.19
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	16	0.19
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	3	0.19
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	3	0.19
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	15	0.19
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	15	0.19
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	3	0.19
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	4	0.19
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	5	0.19
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	6	0.19
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	8	0.19
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	14	0.19
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	1	0.19
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	1	0.19
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	1	0.19
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	1	0.19
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	1	0.19
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	1	0.19
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	19	0.19
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	19	0.19
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	19	0.19
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	19	0.19
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	19	0.19
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	19	0.19
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	9	0.19
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	9	0.19
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	9	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	7	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	7	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	7	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	7	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	7	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	10	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	10	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	10	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	10	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	10	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	10	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	11	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	11	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	11	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	11	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	11	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	11	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	15	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	15	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	15	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	15	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	15	0.19
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	15	0.19
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	8	0.19
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	8	0.19
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	10	0.19
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	15	0.19
(1,995)	1:40:A:ARG:H	1:66:A:ASP:HB2	8	0.19
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	5	0.19
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	5	0.19
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	16	0.19
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	16	0.19
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG11	4	0.19
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG12	4	0.19
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG13	4	0.19
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG21	4	0.19
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG22	4	0.19
(1,930)	1:38:A:TYR:HB3	1:39:A:VAL:HG23	4	0.19
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	18	0.19
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	20	0.19
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	12	0.19
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	12	0.19
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	12	0.19
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	12	0.19
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	12	0.19
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	13	0.19
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	13	0.19
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	13	0.19
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	13	0.19
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	13	0.19
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	13	0.19
(1,917)	1:37:A:VAL:HG11	1:70:A:ALA:H	15	0.19
(1,917)	1:37:A:VAL:HG12	1:70:A:ALA:H	15	0.19
(1,917)	1:37:A:VAL:HG13	1:70:A:ALA:H	15	0.19
(1,917)	1:37:A:VAL:HG21	1:70:A:ALA:H	15	0.19
(1,917)	1:37:A:VAL:HG22	1:70:A:ALA:H	15	0.19
(1,917)	1:37:A:VAL:HG23	1:70:A:ALA:H	15	0.19
(1,882)	1:35:A:ASN:HB3	1:36:A:MET:H	1	0.19
(1,862)	1:34:A:GLU:HB2	1:36:A:MET:H	4	0.19
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	4	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	7	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	7	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	7	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	7	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	7	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	7	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	17	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	17	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	17	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	17	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	17	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	17	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	20	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	20	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	20	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	20	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	20	0.19
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	20	0.19
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	12	0.19
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	12	0.19
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	16	0.19
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	16	0.19
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	12	0.19
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	19	0.19
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	4	0.19
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	4	0.19
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	5	0.19
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	5	0.19
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	9	0.19
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	9	0.19
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	19	0.19
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	19	0.19
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	20	0.19
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	20	0.19
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG2	8	0.19
(1,832)	1:32:A:ARG:H	1:32:A:ARG:HG3	8	0.19
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	2	0.19
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	1	0.19
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	11	0.19
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	16	0.19
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	17	0.19
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	18	0.19
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	6	0.19
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	6	0.19
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	7	0.19
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	7	0.19
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	11	0.19
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	11	0.19
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	18	0.19
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	18	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	2	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	9	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	10	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	12	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	13	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	14	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	17	0.19
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	19	0.19
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	5	0.19
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	14	0.19
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	14	0.19
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	14	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	3	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	10	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	11	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	13	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	15	0.19
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	20	0.19
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	17	0.19
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	17	0.19
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	17	0.19
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	3	0.19
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	3	0.19
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	3	0.19
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	3	0.19
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	3	0.19
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	3	0.19
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	6	0.19
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	6	0.19
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	10	0.19
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	10	0.19
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	19	0.19
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	19	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	3	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	3	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	5	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	5	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	16	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	16	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	18	0.19
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	18	0.19
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	20	0.19
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	13	0.19
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	16	0.19
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	3	0.19
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	8	0.19
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	15	0.19
(1,572)	1:21:A:LEU:HA	1:24:A:LEU:H	17	0.19
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	5	0.19
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	5	0.19
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	5	0.19
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	13	0.19
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	13	0.19
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	13	0.19
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	13	0.19
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	13	0.19
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	9	0.19
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	9	0.19
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	9	0.19
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	7	0.19
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	7	0.19
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	7	0.19
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	8	0.19
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	8	0.19
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	8	0.19
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	8	0.19
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	8	0.19
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	8	0.19
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	7	0.19
(1,504)	1:18:A:LYS:HG2	1:19:A:ILE:HA	16	0.19
(1,504)	1:18:A:LYS:HG3	1:19:A:ILE:HA	16	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	6	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	6	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	6	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	11	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	11	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	11	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	16	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	16	0.19
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	16	0.19
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	14	0.19
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	14	0.19
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	14	0.19
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	14	0.19
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	14	0.19
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	14	0.19
(1,484)	1:17:A:GLN:HB2	1:134:A:ASN:HD21	7	0.19
(1,484)	1:17:A:GLN:HB2	1:134:A:ASN:HD22	7	0.19
(1,484)	1:17:A:GLN:HB3	1:134:A:ASN:HD21	7	0.19
(1,484)	1:17:A:GLN:HB3	1:134:A:ASN:HD22	7	0.19
(1,464)	1:16:A:PRO:HB3	1:124:A:LEU:HD11	12	0.19
(1,464)	1:16:A:PRO:HB3	1:124:A:LEU:HD12	12	0.19
(1,464)	1:16:A:PRO:HB3	1:124:A:LEU:HD13	12	0.19
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	7	0.19
(1,424)	1:13:A:ASP:H	1:14:A:GLY:HA2	8	0.19
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	20	0.19
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	18	0.19
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	9	0.19
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	9	0.19
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	9	0.19
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	9	0.19
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	9	0.19
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	9	0.19
(1,350)	1:11:A:GLN:H	1:17:A:GLN:H	7	0.19
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	1	0.19
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	1	0.19
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	1	0.19
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	1	0.19
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	1	0.19
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	1	0.19
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	3	0.19
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	3	0.19
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	14	0.19
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	14	0.19
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	16	0.19
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	16	0.19
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	17	0.19
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	17	0.19
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	9	0.19
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	9	0.19
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	9	0.19
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	9	0.19
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	9	0.19
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	9	0.19
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	9	0.19
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	9	0.19
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	9	0.19
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	9	0.19
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	9	0.19
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	9	0.19
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	10	0.19
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	10	0.19
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	10	0.19
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	20	0.19
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	20	0.19
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	20	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	4	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	4	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	4	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	4	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	4	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	8	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	8	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	8	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	8	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	8	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	8	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	11	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	11	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	11	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	11	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	11	0.19
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	11	0.19
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	9	0.19
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	9	0.19
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	9	0.19
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	1	0.19
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	1	0.19
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	1	0.19
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	1	0.19
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	1	0.19
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	1	0.19
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	17	0.19
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	17	0.19
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	14	0.19
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	1	0.19
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	1	0.19
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	1	0.19
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	10	0.19
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	10	0.19
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	10	0.19
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	18	0.19
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	18	0.19
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	18	0.19
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	19	0.19
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	19	0.19
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	19	0.19
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	5	0.19
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	5	0.19
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	11	0.19
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	11	0.19
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	11	0.19
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	3	0.19
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	8	0.19
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	13	0.19
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	16	0.19
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	8	0.19
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	8	0.19
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	8	0.19
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	8	0.19
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	8	0.19
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	8	0.19
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	8	0.19
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	8	0.19
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	8	0.19
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	3	0.19
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	3	0.19
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	8	0.19
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	13	0.19
(1,96)	1:7:A:ARG:HB2	1:8:A:ILE:H	11	0.19
(1,96)	1:7:A:ARG:HB3	1:8:A:ILE:H	11	0.19
(1,81)	1:6:A:THR:HG21	1:177:A:ILE:H	1	0.19
(1,81)	1:6:A:THR:HG22	1:177:A:ILE:H	1	0.19
(1,81)	1:6:A:THR:HG23	1:177:A:ILE:H	1	0.19
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	9	0.19
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	9	0.19
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	9	0.19
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	19	0.19
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	19	0.19
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	19	0.19
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	7	0.19
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	15	0.19
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	15	0.19
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	5	0.19
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	12	0.19
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	19	0.19
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	19	0.19
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	20	0.19
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	19	0.18
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	15	0.18
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	19	0.18
(1,3220)	1:180:A:ASN:H	1:180:A:ASN:HB3	19	0.18
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	4	0.18
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	7	0.18
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	15	0.18
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	15	0.18
(1,3193)	1:178:A:ASN:HB2	1:181:A:ILE:H	10	0.18
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	12	0.18
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	12	0.18
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	12	0.18
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	19	0.18
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	19	0.18
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	20	0.18
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	20	0.18
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	3	0.18
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	9	0.18
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	12	0.18
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	13	0.18
(1,3041)	1:159:A:ALA:HA	1:161:A:ASP:H	6	0.18
(1,3039)	1:158:A:ARG:H	1:158:A:ARG:HG2	14	0.18
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	20	0.18
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	14	0.18
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	19	0.18
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	5	0.18
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	14	0.18
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	10	0.18
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	12	0.18
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	12	0.18
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	12	0.18
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	12	0.18
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	12	0.18
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	12	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	14	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	14	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	14	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	15	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	15	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	15	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	19	0.18
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	19	0.18
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	7	0.18
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	4	0.18
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	4	0.18
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	18	0.18
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	18	0.18
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	2	0.18
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	2	0.18
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	11	0.18
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	11	0.18
(1,2896)	1:150:A:GLU:HA	1:151:A:ILE:HB	13	0.18
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	2	0.18
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	2	0.18
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	2	0.18
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	2	0.18
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	2	0.18
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	2	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	1	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	1	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	1	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	2	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	2	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	2	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	4	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	4	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	4	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	6	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	6	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	6	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	16	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	16	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	16	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	18	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	18	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	18	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	20	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	20	0.18
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	20	0.18
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	10	0.18
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	10	0.18
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	10	0.18
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	11	0.18
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	4	0.18
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	4	0.18
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	17	0.18
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	17	0.18
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	17	0.18
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	17	0.18
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	20	0.18
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	20	0.18
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	7	0.18
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	7	0.18
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	7	0.18
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	7	0.18
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	16	0.18
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	16	0.18
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	16	0.18
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	16	0.18
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	12	0.18
(1,2813)	1:140:A:LEU:HA	1:140:A:LEU:HG	17	0.18
(1,2801)	1:136:A:LYS:H	1:137:A:ASN:HB2	19	0.18
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG11	4	0.18
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG12	4	0.18
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG13	4	0.18
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG21	4	0.18
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG22	4	0.18
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG23	4	0.18
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	6	0.18
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	6	0.18
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	6	0.18
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	6	0.18
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	6	0.18
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	6	0.18
(1,2754)	1:124:A:LEU:HA	1:125:A:VAL:HB	16	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	1	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	1	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	3	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	3	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	16	0.18
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	16	0.18
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD21	16	0.18
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD22	16	0.18
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	9	0.18
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	15	0.18
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	15	0.18
(1,2744)	1:122:A:LEU:HD11	1:144:A:GLU:H	4	0.18
(1,2744)	1:122:A:LEU:HD12	1:144:A:GLU:H	4	0.18
(1,2744)	1:122:A:LEU:HD13	1:144:A:GLU:H	4	0.18
(1,2744)	1:122:A:LEU:HD21	1:144:A:GLU:H	4	0.18
(1,2744)	1:122:A:LEU:HD22	1:144:A:GLU:H	4	0.18
(1,2744)	1:122:A:LEU:HD23	1:144:A:GLU:H	4	0.18
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD11	19	0.18
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD12	19	0.18
(1,2726)	1:122:A:LEU:HA	1:122:A:LEU:HD13	19	0.18
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	20	0.18
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	20	0.18
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	15	0.18
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	15	0.18
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	15	0.18
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	9	0.18
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	9	0.18
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	9	0.18
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	9	0.18
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	9	0.18
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	9	0.18
(1,2600)	1:116:A:LYS:HE2	1:148:A:LEU:HG	14	0.18
(1,2600)	1:116:A:LYS:HE3	1:148:A:LEU:HG	14	0.18
(1,2599)	1:116:A:LYS:HE2	1:117:A:VAL:H	5	0.18
(1,2599)	1:116:A:LYS:HE3	1:117:A:VAL:H	5	0.18
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	11	0.18
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	11	0.18
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	16	0.18
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	2	0.18
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	4	0.18
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	12	0.18
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	14	0.18
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	18	0.18
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	15	0.18
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	18	0.18
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	17	0.18
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	17	0.18
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	17	0.18
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	17	0.18
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	17	0.18
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	12	0.18
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	12	0.18
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	12	0.18
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	16	0.18
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	16	0.18
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	16	0.18
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	18	0.18
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	18	0.18
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	12	0.18
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	12	0.18
(1,2464)	1:108:A:ALA:H	1:110:A:GLU:HB3	14	0.18
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	20	0.18
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	20	0.18
(1,2390)	1:104:A:ILE:HD11	1:106:A:LYS:HE3	9	0.18
(1,2390)	1:104:A:ILE:HD12	1:106:A:LYS:HE3	9	0.18
(1,2390)	1:104:A:ILE:HD13	1:106:A:LYS:HE3	9	0.18
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	19	0.18
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	20	0.18
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	9	0.18
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	9	0.18
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	9	0.18
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	4	0.18
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	4	0.18
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	4	0.18
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	4	0.18
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	20	0.18
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	20	0.18
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	2	0.18
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	2	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	6	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	6	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	6	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	6	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	6	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	6	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	9	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	9	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	9	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	9	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	9	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	11	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	11	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	11	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	11	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	11	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	11	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	18	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	18	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	18	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	18	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	18	0.18
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	18	0.18
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	13	0.18
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	13	0.18
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	18	0.18
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	18	0.18
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	2	0.18
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	2	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	3	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	3	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	3	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	14	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	14	0.18
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	14	0.18
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	11	0.18
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	11	0.18
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	11	0.18
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	11	0.18
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	11	0.18
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	11	0.18
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	6	0.18
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	19	0.18
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	13	0.18
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	13	0.18
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	13	0.18
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	16	0.18
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	16	0.18
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	16	0.18
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	16	0.18
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	16	0.18
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	16	0.18
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	19	0.18
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	19	0.18
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	2	0.18
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	2	0.18
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	2	0.18
(1,2109)	1:90:A:THR:HG21	1:164:A:VAL:HB	9	0.18
(1,2109)	1:90:A:THR:HG22	1:164:A:VAL:HB	9	0.18
(1,2109)	1:90:A:THR:HG23	1:164:A:VAL:HB	9	0.18
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	2	0.18
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	13	0.18
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG21	3	0.18
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG22	3	0.18
(1,2107)	1:90:A:THR:HB	1:91:A:VAL:HG23	3	0.18
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	1	0.18
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	6	0.18
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	15	0.18
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	15	0.18
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	19	0.18
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	19	0.18
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	4	0.18
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	5	0.18
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	15	0.18
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	1	0.18
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	2	0.18
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	10	0.18
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	18	0.18
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	5	0.18
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	5	0.18
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	17	0.18
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	17	0.18
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	18	0.18
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	18	0.18
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	5	0.18
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	15	0.18
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	18	0.18
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	20	0.18
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	5	0.18
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	10	0.18
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	3	0.18
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	5	0.18
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	6	0.18
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:81:A:LEU:HD11	1:85:A:ARG:HD2	6	0.18
(1,1934)	1:81:A:LEU:HD12	1:85:A:ARG:HD2	6	0.18
(1,1934)	1:81:A:LEU:HD13	1:85:A:ARG:HD2	6	0.18
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	19	0.18
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	19	0.18
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	19	0.18
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	19	0.18
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	19	0.18
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	19	0.18
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	4	0.18
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	8	0.18
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	16	0.18
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	4	0.18
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	4	0.18
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	4	0.18
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	4	0.18
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	6	0.18
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	6	0.18
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	16	0.18
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	16	0.18
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	19	0.18
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	19	0.18
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	9	0.18
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	9	0.18
(1,1808)	1:78:A:ARG:H	1:78:A:ARG:HD2	13	0.18
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	3	0.18
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	5	0.18
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	10	0.18
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	14	0.18
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	19	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	7	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	7	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	7	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	14	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	14	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	14	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	18	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	18	0.18
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	18	0.18
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	8	0.18
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	8	0.18
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	10	0.18
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	10	0.18
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	10	0.18
(1,1751)	1:77:A:ILE:HG21	1:154:A:ILE:HB	16	0.18
(1,1751)	1:77:A:ILE:HG22	1:154:A:ILE:HB	16	0.18
(1,1751)	1:77:A:ILE:HG23	1:154:A:ILE:HB	16	0.18
(1,1721)	1:77:A:ILE:HD11	1:91:A:VAL:HA	13	0.18
(1,1721)	1:77:A:ILE:HD12	1:91:A:VAL:HA	13	0.18
(1,1721)	1:77:A:ILE:HD13	1:91:A:VAL:HA	13	0.18
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	16	0.18
(1,1702)	1:76:A:LEU:H	1:159:A:ALA:H	17	0.18
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	18	0.18
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	18	0.18
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	14	0.18
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	14	0.18
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	14	0.18
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	14	0.18
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	14	0.18
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	14	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	16	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	16	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	16	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	19	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	19	0.18
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	19	0.18
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	10	0.18
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	10	0.18
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	10	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG11	9	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG12	9	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG13	9	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	9	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	9	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	9	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG11	9	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG12	9	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG13	9	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	9	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	9	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	9	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG11	14	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG12	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG13	14	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	14	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	14	0.18
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	14	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG11	14	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG12	14	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG13	14	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	14	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	14	0.18
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	14	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	9	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	9	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	13	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	13	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	18	0.18
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	18	0.18
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	7	0.18
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	7	0.18
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	7	0.18
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	7	0.18
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	7	0.18
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	7	0.18
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	9	0.18
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	9	0.18
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	9	0.18
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	9	0.18
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	9	0.18
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	9	0.18
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	10	0.18
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	10	0.18
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	10	0.18
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	10	0.18
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	10	0.18
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	10	0.18
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	1	0.18
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	8	0.18
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	11	0.18
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	20	0.18
(1,1560)	1:68:A:ILE:HG12	1:168:A:ASN:H	7	0.18
(1,1560)	1:68:A:ILE:HG13	1:168:A:ASN:H	7	0.18
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	1	0.18
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	1	0.18
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	2	0.18
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	2	0.18
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	2	0.18
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	11	0.18
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	11	0.18
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	11	0.18
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	15	0.18
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	15	0.18
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	15	0.18
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	16	0.18
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	16	0.18
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	16	0.18
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	3	0.18
(1,1520)	1:65:A:GLU:H	1:170:A:LYS:H	20	0.18
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	3	0.18
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	3	0.18
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	5	0.18
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	5	0.18
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	7	0.18
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	7	0.18
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	1	0.18
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	1	0.18
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	1	0.18
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	5	0.18
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	5	0.18
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	5	0.18
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	19	0.18
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	19	0.18
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	19	0.18
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG21	2	0.18
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG22	2	0.18
(1,1408)	1:59:A:VAL:H	1:59:A:VAL:HG23	2	0.18
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG11	12	0.18
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG12	12	0.18
(1,1407)	1:59:A:VAL:H	1:59:A:VAL:HG13	12	0.18
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	12	0.18
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	14	0.18
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	15	0.18
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	17	0.18
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	11	0.18
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG21	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG22	2	0.18
(1,1349)	1:55:A:GLU:HB3	1:56:A:THR:HG23	2	0.18
(1,1337)	1:54:A:LEU:HD21	1:55:A:GLU:H	8	0.18
(1,1337)	1:54:A:LEU:HD22	1:55:A:GLU:H	8	0.18
(1,1337)	1:54:A:LEU:HD23	1:55:A:GLU:H	8	0.18
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	19	0.18
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	19	0.18
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	19	0.18
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	19	0.18
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	19	0.18
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	19	0.18
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	18	0.18
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD21	8	0.18
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD22	8	0.18
(1,1320)	1:54:A:LEU:HA	1:54:A:LEU:HD23	8	0.18
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	3	0.18
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	1	0.18
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	1	0.18
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	1	0.18
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	10	0.18
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	10	0.18
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	10	0.18
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	3	0.18
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	6	0.18
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	18	0.18
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	18	0.18
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	18	0.18
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	17	0.18
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	17	0.18
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	17	0.18
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	10	0.18
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	10	0.18
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	10	0.18
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	10	0.18
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	10	0.18
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	10	0.18
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	10	0.18
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	10	0.18
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	10	0.18
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	10	0.18
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	10	0.18
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	3	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	3	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	3	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	3	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	3	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	3	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	7	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	7	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	7	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	7	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	7	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	7	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	12	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	12	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	12	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	12	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	12	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	12	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	20	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	20	0.18
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	20	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	20	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	20	0.18
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	20	0.18
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	19	0.18
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	19	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	10	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	10	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	14	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	14	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	16	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	16	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	19	0.18
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	19	0.18
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	5	0.18
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	15	0.18
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	15	0.18
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	15	0.18
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	8	0.18
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	3	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	4	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	10	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	10	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	13	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	13	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	20	0.18
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	20	0.18
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	16	0.18
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	1	0.18
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	1	0.18
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	20	0.18
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	20	0.18
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	1	0.18
(1,1060)	1:44:A:LYS:HG2	1:45:A:ARG:H	18	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	1	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	1	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	1	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	2	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	2	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	2	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	12	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	12	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	12	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	16	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	16	0.18
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	16	0.18
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	4	0.18
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	6	0.18
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	15	0.18
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	18	0.18
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	16	0.18
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	12	0.18
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	12	0.18
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	2	0.18
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	2	0.18
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	7	0.18
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	7	0.18
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	4	0.18
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	4	0.18
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	13	0.18
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	13	0.18
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	15	0.18
(1,960)	1:39:A:VAL:HG11	1:66:A:ASP:HB3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:39:A:VAL:HG12	1:66:A:ASP:HB3	18	0.18
(1,960)	1:39:A:VAL:HG13	1:66:A:ASP:HB3	18	0.18
(1,960)	1:39:A:VAL:HG21	1:66:A:ASP:HB3	18	0.18
(1,960)	1:39:A:VAL:HG22	1:66:A:ASP:HB3	18	0.18
(1,960)	1:39:A:VAL:HG23	1:66:A:ASP:HB3	18	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	1	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	1	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	1	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	1	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	1	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	1	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	17	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	17	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	17	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	17	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	17	0.18
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	17	0.18
(1,937)	1:38:A:TYR:HB3	1:69:A:LYS:HE2	8	0.18
(1,937)	1:38:A:TYR:HB3	1:69:A:LYS:HE3	8	0.18
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	14	0.18
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	5	0.18
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	8	0.18
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	9	0.18
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	10	0.18
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	16	0.18
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	20	0.18
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	6	0.18
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	11	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	6	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	6	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	6	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	6	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	6	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	6	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	10	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	10	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	10	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	10	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	10	0.18
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	10	0.18
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	11	0.18
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	3	0.18
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	3	0.18
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	4	0.18
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	3	0.18
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	3	0.18
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	12	0.18
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	12	0.18
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	11	0.18
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	11	0.18
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	11	0.18
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	9	0.18
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	10	0.18
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	13	0.18
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	14	0.18
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	16	0.18
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	20	0.18
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	6	0.18
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	6	0.18
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	11	0.18
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	11	0.18
(1,799)	1:31:A:GLU:HB2	1:38:A:TYR:HB3	17	0.18
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	3	0.18
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	15	0.18
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	20	0.18
(1,766)	1:29:A:GLU:HG2	1:44:A:LYS:HG3	12	0.18
(1,766)	1:29:A:GLU:HG3	1:44:A:LYS:HG3	12	0.18
(1,761)	1:29:A:GLU:HB2	1:30:A:ASP:H	8	0.18
(1,761)	1:29:A:GLU:HB3	1:30:A:ASP:H	8	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	1	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	4	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	7	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	11	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	16	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	18	0.18
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	20	0.18
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	12	0.18
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	12	0.18
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	12	0.18
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	13	0.18
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	18	0.18
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	18	0.18
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	8	0.18
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	8	0.18
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	8	0.18
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	7	0.18
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	7	0.18
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	16	0.18
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	16	0.18
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB2	20	0.18
(1,643)	1:24:A:LEU:H	1:25:A:TYR:HB3	20	0.18
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	12	0.18
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	12	0.18
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	12	0.18
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	9	0.18
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	9	0.18
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	20	0.18
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	20	0.18
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	12	0.18
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	12	0.18
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	13	0.18
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	13	0.18
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	7	0.18
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	13	0.18
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	18	0.18
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	4	0.18
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	7	0.18
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	7	0.18
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	7	0.18
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	7	0.18
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	7	0.18
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	19	0.18
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	19	0.18
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	19	0.18
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	3	0.18
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	3	0.18
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	3	0.18
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	11	0.18
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	11	0.18
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	11	0.18
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	13	0.18
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	13	0.18
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	13	0.18
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	6	0.18
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	8	0.18
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	14	0.18
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	14	0.18
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	14	0.18
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	14	0.18
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	20	0.18
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	20	0.18
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	20	0.18
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	11	0.18
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	11	0.18
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	20	0.18
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	20	0.18
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	7	0.18
(1,420)	1:13:A:ASP:HB2	1:15:A:VAL:H	20	0.18
(1,419)	1:13:A:ASP:HB2	1:14:A:GLY:H	8	0.18
(1,418)	1:13:A:ASP:HB3	1:15:A:VAL:H	2	0.18
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	11	0.18
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	18	0.18
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD21	18	0.18
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD22	18	0.18
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	4	0.18
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	11	0.18
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	11	0.18
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD11	14	0.18
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD12	14	0.18
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD13	14	0.18
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	5	0.18
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	11	0.18
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	17	0.18
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	17	0.18
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	17	0.18
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	2	0.18
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	2	0.18
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	2	0.18
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	6	0.18
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	12	0.18
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	12	0.18
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	12	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	10	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	10	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	10	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	10	0.18
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	10	0.18
(1,243)	1:9:A:LEU:HG	1:10:A:VAL:H	14	0.18
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	4	0.18
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	4	0.18
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	4	0.18
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	19	0.18
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	19	0.18
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	19	0.18
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	19	0.18
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	19	0.18
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	19	0.18
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	19	0.18
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	19	0.18
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	19	0.18
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	19	0.18
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	19	0.18
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	19	0.18
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	11	0.18
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	11	0.18
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	11	0.18
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	11	0.18
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	11	0.18
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	11	0.18
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	8	0.18
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	15	0.18
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	6	0.18
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	6	0.18
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	6	0.18
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	6	0.18
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	6	0.18
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	6	0.18
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	20	0.18
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	20	0.18
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	20	0.18
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	19	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	9	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	9	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	9	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	9	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	9	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	19	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	19	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	19	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	19	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	19	0.18
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	19	0.18
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	9	0.18
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	6	0.18
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	1	0.18
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	5	0.18
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	12	0.18
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	5	0.18
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	18	0.18
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	18	0.18
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	18	0.18
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	20	0.18
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	20	0.18
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	20	0.18
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	6	0.18
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	19	0.18
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	16	0.18
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	16	0.18
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	20	0.18
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	20	0.18
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	13	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	14	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	14	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	14	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	14	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	14	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	14	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	15	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	15	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	15	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	15	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	15	0.18
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	15	0.18
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	3	0.18
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	3	0.18
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	7	0.18
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	7	0.18
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	14	0.18
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	14	0.18
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	14	0.18
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	19	0.18
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	19	0.18
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	7	0.17
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	9	0.17
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	9	0.17
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	9	0.17
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	9	0.17
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	9	0.17
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	9	0.17
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	9	0.17
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	20	0.17
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	19	0.17
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	10	0.17
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	10	0.17
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	10	0.17
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	12	0.17
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	12	0.17
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	12	0.17
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	17	0.17
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	17	0.17
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	17	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	5	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	5	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	5	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	20	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	20	0.17
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	20	0.17
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD11	3	0.17
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD12	3	0.17
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD13	3	0.17
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD21	3	0.17
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD22	3	0.17
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD23	3	0.17
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG11	16	0.17
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG12	16	0.17
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG13	16	0.17
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG21	16	0.17
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG22	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG23	16	0.17
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	6	0.17
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	6	0.17
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	9	0.17
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	9	0.17
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	12	0.17
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	12	0.17
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	16	0.17
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	16	0.17
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	16	0.17
(1,3051)	1:161:A:ASP:HB2	1:162:A:ASP:H	18	0.17
(1,3051)	1:161:A:ASP:HB3	1:162:A:ASP:H	18	0.17
(1,3035)	1:158:A:ARG:HG2	1:159:A:ALA:H	10	0.17
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	3	0.17
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	3	0.17
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	3	0.17
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	3	0.17
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	13	0.17
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	13	0.17
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	1	0.17
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	3	0.17
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	3	0.17
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	3	0.17
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	3	0.17
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	3	0.17
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	3	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	3	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	3	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	3	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	7	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	7	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	7	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	8	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	8	0.17
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	8	0.17
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	5	0.17
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	14	0.17
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	7	0.17
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	7	0.17
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	12	0.17
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	12	0.17
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	5	0.17
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	9	0.17
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	9	0.17
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	9	0.17
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	4	0.17
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	4	0.17
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	4	0.17
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	4	0.17
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	4	0.17
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	4	0.17
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	12	0.17
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	12	0.17
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	12	0.17
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	12	0.17
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	12	0.17
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	12	0.17
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	17	0.17
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	17	0.17
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	17	0.17
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	17	0.17
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	17	0.17
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	17	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	7	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	7	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	7	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	8	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	8	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	8	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	12	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	12	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	12	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	13	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	13	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	13	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	15	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	15	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	15	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	17	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	17	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	17	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	19	0.17
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	19	0.17
(1,2871)	1:148:A:LEU:H	1:148:A:LEU:HB2	8	0.17
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	18	0.17
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	3	0.17
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	3	0.17
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	3	0.17
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	3	0.17
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	3	0.17
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	3	0.17
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	6	0.17
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	6	0.17
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	7	0.17
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	7	0.17
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB2	5	0.17
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB3	5	0.17
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	19	0.17
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	19	0.17
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	4	0.17
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB2	2	0.17
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB3	2	0.17
(1,2789)	1:134:A:ASN:H	1:135:A:PRO:HG2	14	0.17
(1,2789)	1:134:A:ASN:H	1:135:A:PRO:HG3	14	0.17
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	11	0.17
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	11	0.17
(1,2730)	1:122:A:LEU:HA	1:143:A:PRO:HB2	11	0.17
(1,2730)	1:122:A:LEU:HA	1:143:A:PRO:HB3	11	0.17
(1,2728)	1:122:A:LEU:HA	1:122:A:LEU:HG	9	0.17
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD21	9	0.17
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD22	9	0.17
(1,2727)	1:122:A:LEU:HA	1:122:A:LEU:HD23	9	0.17
(1,2717)	1:121:A:GLU:HB2	1:122:A:LEU:HA	3	0.17
(1,2717)	1:121:A:GLU:HB3	1:122:A:LEU:HA	3	0.17
(1,2712)	1:121:A:GLU:HA	1:121:A:GLU:HG3	11	0.17
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	2	0.17
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	2	0.17
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	2	0.17
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	2	0.17
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	2	0.17
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	2	0.17
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	8	0.17
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	8	0.17
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	8	0.17
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	8	0.17
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	8	0.17
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	1	0.17
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	1	0.17
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	1	0.17
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	1	0.17
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	1	0.17
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	1	0.17
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	1	0.17
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	1	0.17
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	1	0.17
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	1	0.17
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	1	0.17
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	1	0.17
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	6	0.17
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	7	0.17
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	7	0.17
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	6	0.17
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	1	0.17
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	20	0.17
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	12	0.17
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	12	0.17
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG21	20	0.17
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG22	20	0.17
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG23	20	0.17
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG21	20	0.17
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG22	20	0.17
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG23	20	0.17
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	4	0.17
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	12	0.17
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	3	0.17
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	8	0.17
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	10	0.17
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	20	0.17
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	17	0.17
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	13	0.17
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	14	0.17
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	3	0.17
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	3	0.17
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	6	0.17
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	8	0.17
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	8	0.17
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	14	0.17
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	14	0.17
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	14	0.17
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	20	0.17
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	18	0.17
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	15	0.17
(1,2375)	1:103:A:PHE:HB2	1:104:A:ILE:HA	10	0.17
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	2	0.17
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	2	0.17
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	2	0.17
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	12	0.17
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	12	0.17
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	12	0.17
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	1	0.17
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	1	0.17
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	14	0.17
(1,2357)	1:102:A:ARG:HB2	1:103:A:PHE:HB2	10	0.17
(1,2330)	1:99:A:GLU:H	1:103:A:PHE:HA	18	0.17
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	14	0.17
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	14	0.17
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	14	0.17
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	14	0.17
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	14	0.17
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	14	0.17
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	1	0.17
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	1	0.17
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	1	0.17
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	1	0.17
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	3	0.17
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	3	0.17
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	13	0.17
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	13	0.17
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	8	0.17
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	8	0.17
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	2	0.17
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	14	0.17
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	10	0.17
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	10	0.17
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	12	0.17
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:97:A:VAL:HG21	1:106:A:LYS:HE2	20	0.17
(1,2270)	1:97:A:VAL:HG22	1:106:A:LYS:HE2	20	0.17
(1,2270)	1:97:A:VAL:HG23	1:106:A:LYS:HE2	20	0.17
(1,2267)	1:97:A:VAL:HG21	1:99:A:GLU:HG3	8	0.17
(1,2267)	1:97:A:VAL:HG22	1:99:A:GLU:HG3	8	0.17
(1,2267)	1:97:A:VAL:HG23	1:99:A:GLU:HG3	8	0.17
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	13	0.17
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	4	0.17
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	5	0.17
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	18	0.17
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	19	0.17
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	9	0.17
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	9	0.17
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	9	0.17
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	9	0.17
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	9	0.17
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	9	0.17
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	9	0.17
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	9	0.17
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	9	0.17
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	9	0.17
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	9	0.17
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	9	0.17
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	14	0.17
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	14	0.17
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	17	0.17
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	17	0.17
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	20	0.17
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	20	0.17
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	12	0.17
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	12	0.17
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	12	0.17
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	11	0.17
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	2	0.17
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	2	0.17
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	2	0.17
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	9	0.17
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	9	0.17
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	9	0.17
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	5	0.17
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	5	0.17
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	9	0.17
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	9	0.17
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	9	0.17
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	11	0.17
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	20	0.17
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	12	0.17
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	12	0.17
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG21	16	0.17
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG22	16	0.17
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG23	16	0.17
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG21	16	0.17
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG22	16	0.17
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG23	16	0.17
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	14	0.17
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	14	0.17
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD11	2	0.17
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD12	2	0.17
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD13	2	0.17
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	10	0.17
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	16	0.17
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	20	0.17
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD11	17	0.17
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD12	17	0.17
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD13	17	0.17
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	3	0.17
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	4	0.17
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	19	0.17
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	19	0.17
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	19	0.17
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	19	0.17
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	6	0.17
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	17	0.17
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	15	0.17
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	18	0.17
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	15	0.17
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	17	0.17
(1,1947)	1:81:A:LEU:H	1:82:A:GLU:H	9	0.17
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	15	0.17
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	18	0.17
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	18	0.17
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	18	0.17
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	2	0.17
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	2	0.17
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	12	0.17
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG2	7	0.17
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG3	7	0.17
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG2	7	0.17
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG3	7	0.17
(1,1871)	1:80:A:GLU:HG2	1:86:A:SER:HA	5	0.17
(1,1871)	1:80:A:GLU:HG3	1:86:A:SER:HA	5	0.17
(1,1871)	1:80:A:GLU:HG2	1:86:A:SER:HA	16	0.17
(1,1871)	1:80:A:GLU:HG3	1:86:A:SER:HA	16	0.17
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	7	0.17
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	7	0.17
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	9	0.17
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	9	0.17
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	15	0.17
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	15	0.17
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	5	0.17
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	5	0.17
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	20	0.17
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	20	0.17
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	6	0.17
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	6	0.17
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	6	0.17
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG21	13	0.17
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG22	13	0.17
(1,1774)	1:78:A:ARG:HA	1:154:A:ILE:HG23	13	0.17
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	2	0.17
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	2	0.17
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	2	0.17
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	5	0.17
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB1	16	0.17
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB2	16	0.17
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB3	16	0.17
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	7	0.17
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	7	0.17
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	7	0.17
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	9	0.17
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	9	0.17
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	9	0.17
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	20	0.17
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	20	0.17
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	3	0.17
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	3	0.17
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB2	10	0.17
(1,1594)	1:70:A:ALA:HB1	1:71:A:PRO:HB3	10	0.17
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB2	10	0.17
(1,1594)	1:70:A:ALA:HB2	1:71:A:PRO:HB3	10	0.17
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB2	10	0.17
(1,1594)	1:70:A:ALA:HB3	1:71:A:PRO:HB3	10	0.17
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	11	0.17
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	16	0.17
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	4	0.17
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	4	0.17
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	4	0.17
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	4	0.17
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	16	0.17
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	16	0.17
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	16	0.17
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	16	0.17
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	6	0.17
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	6	0.17
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	6	0.17
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	6	0.17
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	6	0.17
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	6	0.17
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	8	0.17
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	8	0.17
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	8	0.17
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	8	0.17
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	8	0.17
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	8	0.17
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	10	0.17
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	10	0.17
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	10	0.17
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	10	0.17
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	10	0.17
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	10	0.17
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	13	0.17
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	13	0.17
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	13	0.17
(1,1520)	1:65:A:GLU:H	1:170:A:LYS:H	11	0.17
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	19	0.17
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	3	0.17
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	3	0.17
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	19	0.17
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	19	0.17
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	19	0.17
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	12	0.17
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	12	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	4	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	4	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	4	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	9	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	9	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	9	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	13	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	13	0.17
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	13	0.17
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	10	0.17
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	10	0.17
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	10	0.17
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	10	0.17
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	10	0.17
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	10	0.17
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD2	20	0.17
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD3	20	0.17
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	7	0.17
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	16	0.17
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	15	0.17
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	2	0.17
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	17	0.17
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	12	0.17
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	12	0.17
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	12	0.17
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	12	0.17
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	12	0.17
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	12	0.17
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	13	0.17
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	13	0.17
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	13	0.17
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	13	0.17
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	13	0.17
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	14	0.17
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	14	0.17
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	14	0.17
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	14	0.17
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	14	0.17
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	14	0.17
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	16	0.17
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	16	0.17
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	16	0.17
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	16	0.17
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	16	0.17
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	16	0.17
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	15	0.17
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	18	0.17
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	16	0.17
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	16	0.17
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	16	0.17
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	13	0.17
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	14	0.17
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	19	0.17
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	7	0.17
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	7	0.17
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	7	0.17
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	20	0.17
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	20	0.17
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	20	0.17
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD11	14	0.17
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD12	14	0.17
(1,1245)	1:52:A:ILE:HB	1:176:A:ILE:HD13	14	0.17
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	8	0.17
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	5	0.17
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	5	0.17
(1,1159)	1:48:A:LYS:HD2	1:64:A:ILE:H	4	0.17
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	8	0.17
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	8	0.17
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	8	0.17
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	8	0.17
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	8	0.17
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	8	0.17
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	18	0.17
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	18	0.17
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	18	0.17
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	18	0.17
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	18	0.17
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	10	0.17
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	10	0.17
(1,1143)	1:48:A:LYS:HB2	1:49:A:VAL:H	14	0.17
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	17	0.17
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	17	0.17
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	17	0.17
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	20	0.17
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	19	0.17
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	17	0.17
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	17	0.17
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	17	0.17
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	7	0.17
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	7	0.17
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	7	0.17
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	3	0.17
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	7	0.17
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	15	0.17
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	16	0.17
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	16	0.17
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	15	0.17
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	19	0.17
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	3	0.17
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	9	0.17
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	16	0.17
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	20	0.17
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	5	0.17
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	5	0.17
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	6	0.17
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	6	0.17
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD2	11	0.17
(1,1067)	1:45:A:ARG:HA	1:45:A:ARG:HD3	11	0.17
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	11	0.17
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	11	0.17
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	11	0.17
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	11	0.17
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	11	0.17
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	11	0.17
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	10	0.17
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	10	0.17
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	19	0.17
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	19	0.17
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	19	0.17
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	1	0.17
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	13	0.17
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	15	0.17
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	3	0.17
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	3	0.17
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	9	0.17
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	9	0.17
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	1	0.17
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	2	0.17
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	4	0.17
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	13	0.17
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	17	0.17
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	2	0.17
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	7	0.17
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	17	0.17
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	3	0.17
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	6	0.17
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	4	0.17
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	5	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	2	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	2	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	2	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	2	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	2	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	2	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	12	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	12	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	12	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	12	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	12	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	12	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	15	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	15	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	15	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	15	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	15	0.17
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	15	0.17
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	8	0.17
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	10	0.17
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	10	0.17
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	13	0.17
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	13	0.17
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	1	0.17
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	1	0.17
(1,845)	1:33:A:TYR:HD1	1:36:A:MET:H	18	0.17
(1,845)	1:33:A:TYR:HD2	1:36:A:MET:H	18	0.17
(1,844)	1:33:A:TYR:HB2	1:34:A:GLU:H	6	0.17
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	7	0.17
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	7	0.17
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	13	0.17
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	13	0.17
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	17	0.17
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	17	0.17
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	15	0.17
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	15	0.17
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	18	0.17
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	11	0.17
(1,815)	1:32:A:ARG:HA	1:32:A:ARG:HG2	15	0.17
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	12	0.17
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	12	0.17
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	9	0.17
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	9	0.17
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	6	0.17
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	14	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	1	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	1	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	5	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	5	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	13	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	13	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	14	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	14	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	16	0.17
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	16	0.17
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	2	0.17
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	2	0.17
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	6	0.17
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	6	0.17
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	11	0.17
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	6	0.17
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	8	0.17
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG11	6	0.17
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG12	6	0.17
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG13	6	0.17
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG11	6	0.17
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG12	6	0.17
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG13	6	0.17
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	9	0.17
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	9	0.17
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	9	0.17
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	20	0.17
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	20	0.17
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	20	0.17
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	20	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	1	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	2	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	4	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	6	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	8	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	12	0.17
(1,702)	1:27:A:LEU:H	1:27:A:LEU:HB3	17	0.17
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	11	0.17
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	11	0.17
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	11	0.17
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	7	0.17
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	7	0.17
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	18	0.17
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	18	0.17
(1,612)	1:23:A:GLU:HA	1:26:A:GLU:HB3	16	0.17
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	14	0.17
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	14	0.17
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	2	0.17
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	5	0.17
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	10	0.17
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	4	0.17
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	16	0.17
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	16	0.17
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	16	0.17
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	2	0.17
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	2	0.17
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	6	0.17
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	6	0.17
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	6	0.17
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	14	0.17
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	14	0.17
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	14	0.17
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	15	0.17
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	15	0.17
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	15	0.17
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	20	0.17
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	20	0.17
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	20	0.17
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	3	0.17
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	3	0.17
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	3	0.17
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	3	0.17
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	3	0.17
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	3	0.17
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	17	0.17
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	17	0.17
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	17	0.17
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	17	0.17
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	17	0.17
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	17	0.17
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	5	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	4	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	5	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	9	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	10	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	11	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	15	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	17	0.17
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	18	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	2	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	2	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	3	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	3	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	4	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	4	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	5	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	8	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	8	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	9	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	9	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	11	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	11	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	12	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	12	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	13	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	13	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	15	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	15	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	17	0.17
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	17	0.17
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	7	0.17
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	7	0.17
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	7	0.17
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	13	0.17
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	13	0.17
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	13	0.17
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	13	0.17
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	13	0.17
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	13	0.17
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	4	0.17
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	4	0.17
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	13	0.17
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	13	0.17
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	18	0.17
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	4	0.17
(1,419)	1:13:A:ASP:HB2	1:14:A:GLY:H	19	0.17
(1,419)	1:13:A:ASP:HB2	1:14:A:GLY:H	20	0.17
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	18	0.17
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	3	0.17
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	10	0.17
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	14	0.17
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	16	0.17
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	19	0.17
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	7	0.17
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	10	0.17
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	14	0.17
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	15	0.17
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	12	0.17
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	12	0.17
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	12	0.17
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	12	0.17
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	12	0.17
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	6	0.17
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	6	0.17
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	13	0.17
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	13	0.17
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	20	0.17
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	20	0.17
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	16	0.17
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	18	0.17
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	1	0.17
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	1	0.17
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	1	0.17
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	6	0.17
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	6	0.17
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	6	0.17
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	7	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	1	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	1	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	1	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	1	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	1	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	1	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	13	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	13	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	13	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	13	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	13	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	13	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	19	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	19	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	19	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	19	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	19	0.17
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	19	0.17
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD2	7	0.17
(1,220)	1:9:A:LEU:HD11	1:18:A:LYS:HD3	7	0.17
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD2	7	0.17
(1,220)	1:9:A:LEU:HD12	1:18:A:LYS:HD3	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD2	7	0.17
(1,220)	1:9:A:LEU:HD13	1:18:A:LYS:HD3	7	0.17
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD2	7	0.17
(1,220)	1:9:A:LEU:HD21	1:18:A:LYS:HD3	7	0.17
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD2	7	0.17
(1,220)	1:9:A:LEU:HD22	1:18:A:LYS:HD3	7	0.17
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD2	7	0.17
(1,220)	1:9:A:LEU:HD23	1:18:A:LYS:HD3	7	0.17
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	9	0.17
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	9	0.17
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	9	0.17
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	9	0.17
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	9	0.17
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	9	0.17
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	7	0.17
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	17	0.17
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	9	0.17
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	9	0.17
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	9	0.17
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	9	0.17
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	9	0.17
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	9	0.17
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	10	0.17
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	10	0.17
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	10	0.17
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	10	0.17
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	10	0.17
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	10	0.17
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	14	0.17
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	14	0.17
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	14	0.17
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	11	0.17
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	17	0.17
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	12	0.17
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	12	0.17
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	6	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	6	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	6	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	6	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	6	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	7	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	7	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	7	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	7	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	7	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	7	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	12	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	18	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	18	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	18	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	18	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	18	0.17
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	18	0.17
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	18	0.17
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	8	0.17
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	19	0.17
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	6	0.17
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	9	0.17
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	10	0.17
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	20	0.17
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	12	0.17
(1,107)	1:7:A:ARG:HG2	1:178:A:ASN:HA	15	0.17
(1,107)	1:7:A:ARG:HG3	1:178:A:ASN:HA	15	0.17
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	19	0.17
(1,96)	1:7:A:ARG:HB2	1:8:A:ILE:H	1	0.17
(1,96)	1:7:A:ARG:HB3	1:8:A:ILE:H	1	0.17
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	7	0.17
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	12	0.17
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	12	0.17
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	12	0.17
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	2	0.17
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	2	0.17
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	1	0.17
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	4	0.17
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	4	0.17
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	20	0.17
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	11	0.16
(1,3254)	1:182:A:VAL:H	1:182:A:VAL:HB	17	0.16
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	9	0.16
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	14	0.16
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	16	0.16
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	12	0.16
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	14	0.16
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	4	0.16
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	4	0.16
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	4	0.16
(1,3131)	1:175:A:VAL:HG11	1:178:A:ASN:H	14	0.16
(1,3131)	1:175:A:VAL:HG12	1:178:A:ASN:H	14	0.16
(1,3131)	1:175:A:VAL:HG13	1:178:A:ASN:H	14	0.16
(1,3131)	1:175:A:VAL:HG21	1:178:A:ASN:H	14	0.16
(1,3131)	1:175:A:VAL:HG22	1:178:A:ASN:H	14	0.16
(1,3131)	1:175:A:VAL:HG23	1:178:A:ASN:H	14	0.16
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	13	0.16
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	13	0.16
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	13	0.16
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD11	7	0.16
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD12	7	0.16
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD13	7	0.16
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	4	0.16
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	4	0.16
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	5	0.16
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	15	0.16
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	17	0.16
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	20	0.16
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB2	2	0.16
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB3	2	0.16
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB2	8	0.16
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB3	8	0.16
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	3	0.16
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	13	0.16
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	13	0.16
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	7	0.16
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	13	0.16
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	18	0.16
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	6	0.16
(1,3011)	1:156:A:TYR:H	1:156:A:TYR:HB3	9	0.16
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	17	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	8	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	8	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	8	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	8	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	8	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	14	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	14	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	14	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	14	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	14	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	14	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	19	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	19	0.16
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	19	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	19	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	19	0.16
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	19	0.16
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	12	0.16
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	12	0.16
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	12	0.16
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	2	0.16
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	19	0.16
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	11	0.16
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	11	0.16
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	11	0.16
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	2	0.16
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	2	0.16
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	15	0.16
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	15	0.16
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	11	0.16
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	14	0.16
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	7	0.16
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	7	0.16
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	7	0.16
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	8	0.16
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	8	0.16
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	13	0.16
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	13	0.16
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	6	0.16
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	10	0.16
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	12	0.16
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	6	0.16
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	6	0.16
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	6	0.16
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	6	0.16
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	6	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	3	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	3	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	3	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	10	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	10	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	10	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	11	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	11	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	11	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	14	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	14	0.16
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	14	0.16
(1,2868)	1:148:A:LEU:HD11	1:149:A:LEU:H	8	0.16
(1,2868)	1:148:A:LEU:HD12	1:149:A:LEU:H	8	0.16
(1,2868)	1:148:A:LEU:HD13	1:149:A:LEU:H	8	0.16
(1,2868)	1:148:A:LEU:HD21	1:149:A:LEU:H	8	0.16
(1,2868)	1:148:A:LEU:HD22	1:149:A:LEU:H	8	0.16
(1,2868)	1:148:A:LEU:HD23	1:149:A:LEU:H	8	0.16
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	5	0.16
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	17	0.16
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	1	0.16
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	1	0.16
(1,2819)	1:140:A:LEU:HB2	1:141:A:GLY:H	13	0.16
(1,2819)	1:140:A:LEU:HB3	1:141:A:GLY:H	13	0.16
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	11	0.16
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	11	0.16
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	11	0.16
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	11	0.16
(1,2810)	1:139:A:ASN:HB2	1:140:A:LEU:HB2	17	0.16
(1,2810)	1:139:A:ASN:HB2	1:140:A:LEU:HB3	17	0.16
(1,2810)	1:139:A:ASN:HB3	1:140:A:LEU:HB2	17	0.16
(1,2810)	1:139:A:ASN:HB3	1:140:A:LEU:HB3	17	0.16
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	20	0.16
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB2	7	0.16
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB3	7	0.16
(1,2794)	1:136:A:LYS:HB2	1:137:A:ASN:H	9	0.16
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	20	0.16
(1,2762)	1:124:A:LEU:HG	1:125:A:VAL:H	17	0.16
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	12	0.16
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	12	0.16
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD21	12	0.16
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD22	12	0.16
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	5	0.16
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	5	0.16
(1,2729)	1:122:A:LEU:HA	1:123:A:GLU:H	5	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD11	1	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD12	1	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD13	1	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD21	1	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD22	1	0.16
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD23	1	0.16
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	6	0.16
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	6	0.16
(1,2723)	1:121:A:GLU:H	1:122:A:LEU:H	4	0.16
(1,2723)	1:121:A:GLU:H	1:122:A:LEU:H	16	0.16
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB2	15	0.16
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB3	15	0.16
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB2	15	0.16
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB3	15	0.16
(1,2703)	1:120:A:SER:H	1:121:A:GLU:H	3	0.16
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	20	0.16
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	20	0.16
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	20	0.16
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	20	0.16
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	20	0.16
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	20	0.16
(1,2683)	1:119:A:VAL:HG11	1:180:A:ASN:HB3	3	0.16
(1,2683)	1:119:A:VAL:HG12	1:180:A:ASN:HB3	3	0.16
(1,2683)	1:119:A:VAL:HG13	1:180:A:ASN:HB3	3	0.16
(1,2683)	1:119:A:VAL:HG21	1:180:A:ASN:HB3	3	0.16
(1,2683)	1:119:A:VAL:HG22	1:180:A:ASN:HB3	3	0.16
(1,2683)	1:119:A:VAL:HG23	1:180:A:ASN:HB3	3	0.16
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	18	0.16
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	20	0.16
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	19	0.16
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	19	0.16
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	1	0.16
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD11	12	0.16
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD12	12	0.16
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD13	12	0.16
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD21	12	0.16
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD22	12	0.16
(1,2665)	1:118:A:LEU:H	1:118:A:LEU:HD23	12	0.16
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	18	0.16
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	18	0.16
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	18	0.16
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	18	0.16
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	18	0.16
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	18	0.16
(1,2634)	1:117:A:VAL:HG11	1:182:A:VAL:H	8	0.16
(1,2634)	1:117:A:VAL:HG12	1:182:A:VAL:H	8	0.16
(1,2634)	1:117:A:VAL:HG13	1:182:A:VAL:H	8	0.16
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	1	0.16
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	1	0.16
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	1	0.16
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	1	0.16
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	1	0.16
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	1	0.16
(1,2600)	1:116:A:LYS:HE2	1:148:A:LEU:HG	13	0.16
(1,2600)	1:116:A:LYS:HE3	1:148:A:LEU:HG	13	0.16
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	7	0.16
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	7	0.16
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	1	0.16
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	18	0.16
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	13	0.16
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	8	0.16
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	10	0.16
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	10	0.16
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	14	0.16
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	14	0.16
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	14	0.16
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	14	0.16
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	14	0.16
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	14	0.16
(1,2532)	1:113:A:GLU:HG2	1:153:A:ASN:H	2	0.16
(1,2532)	1:113:A:GLU:HG3	1:153:A:ASN:H	2	0.16
(1,2464)	1:108:A:ALA:H	1:110:A:GLU:HB3	4	0.16
(1,2454)	1:107:A:ARG:H	1:111:A:VAL:H	13	0.16
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD1	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD2	2	0.16
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD1	2	0.16
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD2	2	0.16
(1,2428)	1:106:A:LYS:HG2	1:111:A:VAL:HA	9	0.16
(1,2428)	1:106:A:LYS:HG3	1:111:A:VAL:HA	9	0.16
(1,2423)	1:106:A:LYS:HE2	1:111:A:VAL:HA	9	0.16
(1,2423)	1:106:A:LYS:HE3	1:111:A:VAL:HA	9	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	7	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	7	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	7	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	16	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	16	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	16	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	20	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	20	0.16
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	20	0.16
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	6	0.16
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	6	0.16
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	18	0.16
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	18	0.16
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD11	17	0.16
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD12	17	0.16
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD13	17	0.16
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD11	17	0.16
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD12	17	0.16
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD13	17	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	7	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	7	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	7	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	7	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	7	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	7	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	8	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	8	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	8	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	8	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	8	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	8	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	17	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	17	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	17	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	17	0.16
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	17	0.16
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	8	0.16
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	8	0.16
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	8	0.16
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	8	0.16
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	8	0.16
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	8	0.16
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	8	0.16
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	8	0.16
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	8	0.16
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	8	0.16
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	8	0.16
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	8	0.16
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	12	0.16
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	8	0.16
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	8	0.16
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	8	0.16
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	8	0.16
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	8	0.16
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	8	0.16
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	8	0.16
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	8	0.16
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	8	0.16
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	8	0.16
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	8	0.16
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	8	0.16
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	15	0.16
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	15	0.16
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	5	0.16
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	5	0.16
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	5	0.16
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	13	0.16
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	13	0.16
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	13	0.16
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	5	0.16
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	17	0.16
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	10	0.16
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	10	0.16
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	10	0.16
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	18	0.16
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	18	0.16
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	4	0.16
(1,2097)	1:89:A:THR:HG21	1:90:A:THR:H	2	0.16
(1,2097)	1:89:A:THR:HG22	1:90:A:THR:H	2	0.16
(1,2097)	1:89:A:THR:HG23	1:90:A:THR:H	2	0.16
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	7	0.16
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	8	0.16
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	12	0.16
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	4	0.16
(1,2085)	1:88:A:GLU:HG3	1:89:A:THR:H	10	0.16
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD11	12	0.16
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD12	12	0.16
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD13	12	0.16
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	6	0.16
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	17	0.16
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	18	0.16
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	13	0.16
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	5	0.16
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	11	0.16
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	14	0.16
(1,2032)	1:85:A:ARG:HG2	1:179:A:GLU:H	15	0.16
(1,2032)	1:85:A:ARG:HG3	1:179:A:GLU:H	15	0.16
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	7	0.16
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	7	0.16
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	3	0.16
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	3	0.16
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	3	0.16
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	5	0.16
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	5	0.16
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	5	0.16
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	7	0.16
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	3	0.16
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	6	0.16
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	13	0.16
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	14	0.16
(1,1987)	1:82:A:GLU:H	1:152:A:LYS:HE2	16	0.16
(1,1987)	1:82:A:GLU:H	1:152:A:LYS:HE3	16	0.16
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	4	0.16
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	15	0.16
(1,1971)	1:82:A:GLU:HG3	1:83:A:ASP:H	16	0.16
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	6	0.16
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	16	0.16
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	16	0.16
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	16	0.16
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	17	0.16
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	17	0.16
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	17	0.16
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	17	0.16
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	17	0.16
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	17	0.16
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	6	0.16
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	12	0.16
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	6	0.16
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	18	0.16
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	1	0.16
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	1	0.16
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	16	0.16
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	16	0.16
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	13	0.16
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	13	0.16
(1,1805)	1:78:A:ARG:HG2	1:88:A:GLU:HG2	3	0.16
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	2	0.16
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	14	0.16
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	18	0.16
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	7	0.16
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	7	0.16
(1,1733)	1:77:A:ILE:HD11	1:156:A:TYR:HA	19	0.16
(1,1733)	1:77:A:ILE:HD12	1:156:A:TYR:HA	19	0.16
(1,1733)	1:77:A:ILE:HD13	1:156:A:TYR:HA	19	0.16
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	1	0.16
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	1	0.16
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	1	0.16
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	6	0.16
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	6	0.16
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	6	0.16
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	7	0.16
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	7	0.16
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	7	0.16
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	11	0.16
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	11	0.16
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	11	0.16
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	17	0.16
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	17	0.16
(1,1721)	1:77:A:ILE:HD11	1:91:A:VAL:HA	4	0.16
(1,1721)	1:77:A:ILE:HD12	1:91:A:VAL:HA	4	0.16
(1,1721)	1:77:A:ILE:HD13	1:91:A:VAL:HA	4	0.16
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB1	14	0.16
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB2	14	0.16
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB3	14	0.16
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	9	0.16
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	9	0.16
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	9	0.16
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	9	0.16
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	9	0.16
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	9	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	14	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	14	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	14	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	18	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	18	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	18	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB1	20	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB2	20	0.16
(1,1682)	1:76:A:LEU:HA	1:108:A:ALA:HB3	20	0.16
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	13	0.16
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	11	0.16
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	3	0.16
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	3	0.16
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	18	0.16
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	18	0.16
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	18	0.16
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	17	0.16
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	17	0.16
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	17	0.16
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	12	0.16
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	12	0.16
(1,1573)	1:69:A:LYS:HE2	1:163:A:PHE:HB2	5	0.16
(1,1573)	1:69:A:LYS:HE3	1:163:A:PHE:HB2	5	0.16
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	3	0.16
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	3	0.16
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	3	0.16
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	3	0.16
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	12	0.16
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	12	0.16
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	12	0.16
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	4	0.16
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	4	0.16
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	4	0.16
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	4	0.16
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	4	0.16
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	4	0.16
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	14	0.16
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	14	0.16
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	14	0.16
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	14	0.16
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	14	0.16
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	14	0.16
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	10	0.16
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	2	0.16
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	2	0.16
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	2	0.16
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	3	0.16
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	3	0.16
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	3	0.16
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	14	0.16
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	14	0.16
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	14	0.16
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	15	0.16
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	15	0.16
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	15	0.16
(1,1536)	1:67:A:VAL:HG11	1:168:A:ASN:H	16	0.16
(1,1536)	1:67:A:VAL:HG12	1:168:A:ASN:H	16	0.16
(1,1536)	1:67:A:VAL:HG13	1:168:A:ASN:H	16	0.16
(1,1536)	1:67:A:VAL:HG21	1:168:A:ASN:H	16	0.16
(1,1536)	1:67:A:VAL:HG22	1:168:A:ASN:H	16	0.16
(1,1536)	1:67:A:VAL:HG23	1:168:A:ASN:H	16	0.16
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	20	0.16
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	20	0.16
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB2	9	0.16
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB3	9	0.16
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB2	9	0.16
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB3	9	0.16
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	16	0.16
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	16	0.16
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	2	0.16
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	4	0.16
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	4	0.16
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	5	0.16
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	5	0.16
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	10	0.16
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	14	0.16
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	14	0.16
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	14	0.16
(1,1378)	1:56:A:THR:H	1:58:A:LYS:HD2	3	0.16
(1,1378)	1:56:A:THR:H	1:58:A:LYS:HD3	3	0.16
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	19	0.16
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	12	0.16
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	3	0.16
(1,1350)	1:55:A:GLU:HB3	1:56:A:THR:H	14	0.16
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	3	0.16
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	3	0.16
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	3	0.16
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	3	0.16
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	3	0.16
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	3	0.16
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	2	0.16
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	13	0.16
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	6	0.16
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	10	0.16
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	6	0.16
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	6	0.16
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	6	0.16
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	18	0.16
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	18	0.16
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	18	0.16
(1,1279)	1:52:A:ILE:HG21	1:60:A:VAL:H	20	0.16
(1,1279)	1:52:A:ILE:HG22	1:60:A:VAL:H	20	0.16
(1,1279)	1:52:A:ILE:HG23	1:60:A:VAL:H	20	0.16
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	4	0.16
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	14	0.16
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	9	0.16
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	13	0.16
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	4	0.16
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	4	0.16
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	4	0.16
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	17	0.16
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	17	0.16
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	17	0.16
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	17	0.16
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	17	0.16
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	2	0.16
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	7	0.16
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	11	0.16
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	14	0.16
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	7	0.16
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	14	0.16
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	14	0.16
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	14	0.16
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	20	0.16
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	20	0.16
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	20	0.16
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	6	0.16
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	6	0.16
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	6	0.16
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	11	0.16
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	11	0.16
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	11	0.16
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	1	0.16
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	7	0.16
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	3	0.16
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	3	0.16
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	15	0.16
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	15	0.16
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	20	0.16
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	4	0.16
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	5	0.16
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	15	0.16
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	17	0.16
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	17	0.16
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	17	0.16
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	7	0.16
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	10	0.16
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	2	0.16
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	2	0.16
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	2	0.16
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	2	0.16
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	2	0.16
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	20	0.16
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	13	0.16
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	13	0.16
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	16	0.16
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	16	0.16
(1,1020)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	8	0.16
(1,1020)	1:42:A:LYS:HB3	1:43:A:PRO:HD3	8	0.16
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	5	0.16
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	9	0.16
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	14	0.16
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	10	0.16
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	12	0.16
(1,937)	1:38:A:TYR:HB3	1:69:A:LYS:HE2	10	0.16
(1,937)	1:38:A:TYR:HB3	1:69:A:LYS:HE3	10	0.16
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	3	0.16
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	6	0.16
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	11	0.16
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	13	0.16
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	15	0.16
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	3	0.16
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	8	0.16
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	18	0.16
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG11	5	0.16
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG12	5	0.16
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG13	5	0.16
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG21	5	0.16
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG22	5	0.16
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG23	5	0.16
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG11	5	0.16
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG12	5	0.16
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG13	5	0.16
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG21	5	0.16
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG22	5	0.16
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG23	5	0.16
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	14	0.16
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	15	0.16
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG11	8	0.16
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG12	8	0.16
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG13	8	0.16
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG21	8	0.16
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:33:A:TYR:H	1:39:A:VAL:HG23	8	0.16
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	1	0.16
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	1	0.16
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	2	0.16
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	2	0.16
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	10	0.16
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	10	0.16
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	15	0.16
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	15	0.16
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	18	0.16
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	18	0.16
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	10	0.16
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	17	0.16
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	6	0.16
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	7	0.16
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	13	0.16
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	13	0.16
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	2	0.16
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	2	0.16
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	4	0.16
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	4	0.16
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG2	11	0.16
(1,789)	1:30:A:ASP:HB2	1:42:A:LYS:HG3	11	0.16
(1,779)	1:30:A:ASP:HB3	1:31:A:GLU:H	2	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG11	19	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG12	19	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG13	19	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG21	19	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG22	19	0.16
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG23	19	0.16
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	4	0.16
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	4	0.16
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	4	0.16
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	5	0.16
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	13	0.16
(1,734)	1:28:A:PHE:HB2	1:40:A:ARG:HE	8	0.16
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	15	0.16
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	15	0.16
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	15	0.16
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	16	0.16
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	16	0.16
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	1	0.16
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	2	0.16
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	10	0.16
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	16	0.16
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	5	0.16
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	5	0.16
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	5	0.16
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	10	0.16
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	10	0.16
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	10	0.16
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	15	0.16
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	15	0.16
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	15	0.16
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	18	0.16
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	18	0.16
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	18	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	19	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	19	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	19	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	19	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	19	0.16
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	19	0.16
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	1	0.16
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	17	0.16
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	1	0.16
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	1	0.16
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	2	0.16
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	2	0.16
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	18	0.16
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	18	0.16
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	16	0.16
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	16	0.16
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG11	18	0.16
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG12	18	0.16
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG13	18	0.16
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG21	18	0.16
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG22	18	0.16
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG23	18	0.16
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	4	0.16
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	4	0.16
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	13	0.16
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	14	0.16
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	14	0.16
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	19	0.16
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	19	0.16
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	12	0.16
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	1	0.16
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	5	0.16
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	2	0.16
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	2	0.16
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	2	0.16
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	2	0.16
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	2	0.16
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	2	0.16
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	3	0.16
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	3	0.16
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	3	0.16
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	4	0.16
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	4	0.16
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	4	0.16
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	6	0.16
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	6	0.16
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	6	0.16
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	10	0.16
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	10	0.16
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	10	0.16
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	4	0.16
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	4	0.16
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	4	0.16
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	8	0.16
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	8	0.16
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	8	0.16
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	12	0.16
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	12	0.16
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	12	0.16
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	12	0.16
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	12	0.16
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	12	0.16
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	12	0.16
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	12	0.16
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	12	0.16
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	13	0.16
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	17	0.16
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	2	0.16
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	12	0.16
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	13	0.16
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	19	0.16
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	20	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	6	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	6	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	7	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	7	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	10	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	10	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	14	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	14	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	16	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	16	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	18	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	18	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	19	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	19	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	20	0.16
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	20	0.16
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	4	0.16
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	4	0.16
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	14	0.16
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	14	0.16
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	15	0.16
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	15	0.16
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	15	0.16
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	20	0.16
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	20	0.16
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	20	0.16
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	20	0.16
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	20	0.16
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	20	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	6	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	6	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	10	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	10	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	12	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	12	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	16	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	18	0.16
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	18	0.16
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	13	0.16
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	2	0.16
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	10	0.16
(1,407)	1:12:A:ILE:H	1:14:A:GLY:HA2	5	0.16
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	4	0.16
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	4	0.16
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	4	0.16
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	4	0.16
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	4	0.16
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	4	0.16
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	3	0.16
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	16	0.16
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	17	0.16
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	20	0.16
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	12	0.16
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	12	0.16
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	12	0.16
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	10	0.16
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	10	0.16
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	10	0.16
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	10	0.16
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	10	0.16
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	10	0.16
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	13	0.16
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	13	0.16
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	13	0.16
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	13	0.16
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	13	0.16
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	13	0.16
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	1	0.16
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	1	0.16
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	5	0.16
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	5	0.16
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	10	0.16
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	10	0.16
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	7	0.16
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	7	0.16
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	7	0.16
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	13	0.16
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	13	0.16
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	13	0.16
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	13	0.16
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	13	0.16
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	13	0.16
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	13	0.16
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	13	0.16
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	13	0.16
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	13	0.16
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	13	0.16
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	13	0.16
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	13	0.16
(1,308)	1:11:A:GLN:HA	1:16:A:PRO:HB2	15	0.16
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	10	0.16
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	13	0.16
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	14	0.16
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	14	0.16
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	14	0.16
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	13	0.16
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	13	0.16
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	13	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	16	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	16	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	16	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	16	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	16	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	16	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	17	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	17	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	17	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	17	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	17	0.16
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	17	0.16
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	11	0.16
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	11	0.16
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	11	0.16
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	14	0.16
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	14	0.16
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	14	0.16
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	2	0.16
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	2	0.16
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	2	0.16
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	2	0.16
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	2	0.16
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	18	0.16
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	18	0.16
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	18	0.16
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	18	0.16
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	18	0.16
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	18	0.16
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG12	9	0.16
(1,196)	1:9:A:LEU:HA	1:19:A:ILE:HG13	9	0.16
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG21	20	0.16
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG22	20	0.16
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG23	20	0.16
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	3	0.16
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	16	0.16
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	16	0.16
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	16	0.16
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	6	0.16
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	18	0.16
(1,148)	1:8:A:ILE:HD11	1:175:A:VAL:HA	6	0.16
(1,148)	1:8:A:ILE:HD12	1:175:A:VAL:HA	6	0.16
(1,148)	1:8:A:ILE:HD13	1:175:A:VAL:HA	6	0.16
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	18	0.16
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	18	0.16
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	18	0.16
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	18	0.16
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	18	0.16
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	18	0.16
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	10	0.16
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	10	0.16
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	10	0.16
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	10	0.16
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	10	0.16
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	10	0.16
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	15	0.16
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	1	0.16
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	13	0.16
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	16	0.16
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	17	0.16
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	17	0.16
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG21	3	0.16
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG22	3	0.16
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG23	3	0.16
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	13	0.16
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	13	0.16
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	13	0.16
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	13	0.16
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	13	0.16
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	13	0.16
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	11	0.16
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	18	0.16
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	9	0.16
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD11	19	0.16
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD12	19	0.16
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD13	19	0.16
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD21	19	0.16
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD22	19	0.16
(1,54)	1:4:A:GLY:H	1:21:A:LEU:HD23	19	0.16
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	3	0.16
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	3	0.16
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	3	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	8	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	8	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	8	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	8	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	8	0.16
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	8	0.16
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	10	0.15
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	15	0.15
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	16	0.15
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	2	0.15
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	3	0.15
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	11	0.15
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	2	0.15
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	5	0.15
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	5	0.15
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	5	0.15
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	17	0.15
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	17	0.15
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	17	0.15
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	1	0.15
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	1	0.15
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	1	0.15
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	11	0.15
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	11	0.15
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	11	0.15
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	18	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	7	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	7	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	7	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	18	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	18	0.15
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	18	0.15
(1,3116)	1:170:A:LYS:HE2	1:171:A:LYS:H	16	0.15
(1,3116)	1:170:A:LYS:HE3	1:171:A:LYS:H	16	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG11	5	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG12	5	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG13	5	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG21	5	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG22	5	0.15
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG23	5	0.15
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	6	0.15
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	14	0.15
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB2	6	0.15
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB3	6	0.15
(1,3038)	1:158:A:ARG:H	1:158:A:ARG:HG3	8	0.15
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD2	14	0.15
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD3	14	0.15
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	1	0.15
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	1	0.15
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	7	0.15
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	7	0.15
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	5	0.15
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	11	0.15
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	16	0.15
(1,3019)	1:157:A:VAL:HB	1:158:A:ARG:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	15	0.15
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	15	0.15
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	15	0.15
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	15	0.15
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	15	0.15
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	15	0.15
(1,2987)	1:155:A:LYS:HB2	1:155:A:LYS:HE2	8	0.15
(1,2987)	1:155:A:LYS:HB2	1:155:A:LYS:HE3	8	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	4	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	4	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	4	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	10	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	10	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	10	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	13	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	13	0.15
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	13	0.15
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	3	0.15
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	11	0.15
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	17	0.15
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	10	0.15
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	10	0.15
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	10	0.15
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	16	0.15
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	16	0.15
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	16	0.15
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	7	0.15
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	7	0.15
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	7	0.15
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	7	0.15
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	7	0.15
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	7	0.15
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	1	0.15
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	1	0.15
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	14	0.15
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	14	0.15
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	6	0.15
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	6	0.15
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	10	0.15
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	10	0.15
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	12	0.15
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	16	0.15
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	16	0.15
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	19	0.15
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	12	0.15
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	12	0.15
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	12	0.15
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	14	0.15
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	17	0.15
(1,2903)	1:150:A:GLU:HG2	1:151:A:ILE:HG13	8	0.15
(1,2903)	1:150:A:GLU:HG3	1:151:A:ILE:HG13	8	0.15
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	5	0.15
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	5	0.15
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	5	0.15
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	5	0.15
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	5	0.15
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	5	0.15
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	5	0.15
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	5	0.15
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	5	0.15
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD11	9	0.15
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD12	9	0.15
(1,2884)	1:149:A:LEU:HB2	1:149:A:LEU:HD13	9	0.15
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	14	0.15
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	14	0.15
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	13	0.15
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	13	0.15
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG2	12	0.15
(1,2808)	1:138:A:GLU:H	1:138:A:GLU:HG3	12	0.15
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	3	0.15
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	3	0.15
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB2	8	0.15
(1,2751)	1:123:A:GLU:H	1:143:A:PRO:HB3	8	0.15
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD11	19	0.15
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD12	19	0.15
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD13	19	0.15
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD21	19	0.15
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD22	19	0.15
(1,2725)	1:122:A:LEU:HA	1:122:A:LEU:HD23	19	0.15
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB2	16	0.15
(1,2722)	1:121:A:GLU:HG2	1:145:A:HIS:HB3	16	0.15
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB2	16	0.15
(1,2722)	1:121:A:GLU:HG3	1:145:A:HIS:HB3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	6	0.15
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	6	0.15
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	13	0.15
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	14	0.15
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	16	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	3	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	3	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	3	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	9	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	9	0.15
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	9	0.15
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	1	0.15
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	1	0.15
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	1	0.15
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	1	0.15
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	1	0.15
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	1	0.15
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	19	0.15
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG21	12	0.15
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG22	12	0.15
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG23	12	0.15
(1,2649)	1:118:A:LEU:HB3	1:119:A:VAL:H	2	0.15
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD11	4	0.15
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD12	4	0.15
(1,2601)	1:116:A:LYS:HE2	1:149:A:LEU:HD13	4	0.15
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD11	4	0.15
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD12	4	0.15
(1,2601)	1:116:A:LYS:HE3	1:149:A:LEU:HD13	4	0.15
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	18	0.15
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	18	0.15
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	3	0.15
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	3	0.15
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	14	0.15
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	19	0.15
(1,2573)	1:116:A:LYS:HA	1:116:A:LYS:HD2	8	0.15
(1,2573)	1:116:A:LYS:HA	1:116:A:LYS:HD3	8	0.15
(1,2570)	1:115:A:ASP:H	1:151:A:ILE:HG12	13	0.15
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	12	0.15
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	9	0.15
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	9	0.15
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	14	0.15
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	5	0.15
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	5	0.15
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	5	0.15
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	5	0.15
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	5	0.15
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	5	0.15
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	8	0.15
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	8	0.15
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	8	0.15
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	8	0.15
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	8	0.15
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	8	0.15
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	11	0.15
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	11	0.15
(1,2501)	1:112:A:LYS:HB2	1:113:A:GLU:HA	16	0.15
(1,2501)	1:112:A:LYS:HB3	1:113:A:GLU:HA	16	0.15
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	20	0.15
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	20	0.15
(1,2493)	1:111:A:VAL:H	1:112:A:LYS:HA	12	0.15
(1,2493)	1:111:A:VAL:H	1:112:A:LYS:HA	17	0.15
(1,2423)	1:106:A:LYS:HE2	1:111:A:VAL:HA	13	0.15
(1,2423)	1:106:A:LYS:HE3	1:111:A:VAL:HA	13	0.15
(1,2386)	1:104:A:ILE:HA	1:105:A:GLU:HG3	17	0.15
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	4	0.15
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	4	0.15
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	4	0.15
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	5	0.15
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	5	0.15
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	5	0.15
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	4	0.15
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	4	0.15
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	19	0.15
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	19	0.15
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	9	0.15
(1,2330)	1:99:A:GLU:H	1:103:A:PHE:HA	13	0.15
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	11	0.15
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	11	0.15
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	11	0.15
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	11	0.15
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	18	0.15
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	18	0.15
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	18	0.15
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	4	0.15
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	4	0.15
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	6	0.15
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	6	0.15
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	7	0.15
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	7	0.15
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG2	8	0.15
(1,2287)	1:98:A:TYR:HB3	1:116:A:LYS:HG3	8	0.15
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	10	0.15
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	10	0.15
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	2	0.15
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	2	0.15
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	2	0.15
(1,2267)	1:97:A:VAL:HG21	1:99:A:GLU:HG3	17	0.15
(1,2267)	1:97:A:VAL:HG22	1:99:A:GLU:HG3	17	0.15
(1,2267)	1:97:A:VAL:HG23	1:99:A:GLU:HG3	17	0.15
(1,2256)	1:97:A:VAL:HG11	1:117:A:VAL:HA	8	0.15
(1,2256)	1:97:A:VAL:HG12	1:117:A:VAL:HA	8	0.15
(1,2256)	1:97:A:VAL:HG13	1:117:A:VAL:HA	8	0.15
(1,2256)	1:97:A:VAL:HG21	1:117:A:VAL:HA	8	0.15
(1,2256)	1:97:A:VAL:HG22	1:117:A:VAL:HA	8	0.15
(1,2256)	1:97:A:VAL:HG23	1:117:A:VAL:HA	8	0.15
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	15	0.15
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	18	0.15
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	6	0.15
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	12	0.15
(1,2208)	1:96:A:LEU:HD11	1:183:A:THR:HA	10	0.15
(1,2208)	1:96:A:LEU:HD12	1:183:A:THR:HA	10	0.15
(1,2208)	1:96:A:LEU:HD13	1:183:A:THR:HA	10	0.15
(1,2208)	1:96:A:LEU:HD21	1:183:A:THR:HA	10	0.15
(1,2208)	1:96:A:LEU:HD22	1:183:A:THR:HA	10	0.15
(1,2208)	1:96:A:LEU:HD23	1:183:A:THR:HA	10	0.15
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	14	0.15
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	14	0.15
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	14	0.15
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	14	0.15
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	14	0.15
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	14	0.15
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	14	0.15
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	14	0.15
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	14	0.15
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	14	0.15
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	14	0.15
(1,2195)	1:96:A:LEU:HB2	1:183:A:THR:H	16	0.15
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	7	0.15
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	7	0.15
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	18	0.15
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	18	0.15
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	18	0.15
(1,2166)	1:95:A:VAL:HA	1:184:A:HIS:H	7	0.15
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	7	0.15
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	7	0.15
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	7	0.15
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	14	0.15
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	14	0.15
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	14	0.15
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	15	0.15
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	15	0.15
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	15	0.15
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	4	0.15
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	4	0.15
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	4	0.15
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	11	0.15
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	11	0.15
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	11	0.15
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	12	0.15
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	12	0.15
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	12	0.15
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	7	0.15
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	7	0.15
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	7	0.15
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	7	0.15
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	7	0.15
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	14	0.15
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	14	0.15
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	19	0.15
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	19	0.15
(1,2062)	1:87:A:PHE:HD1	1:151:A:ILE:HG12	7	0.15
(1,2062)	1:87:A:PHE:HD2	1:151:A:ILE:HG12	7	0.15
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	11	0.15
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	12	0.15
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	11	0.15
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	17	0.15
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	2	0.15
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	2	0.15
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	13	0.15
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	13	0.15
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	4	0.15
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	4	0.15
(1,2022)	1:85:A:ARG:HD2	1:149:A:LEU:HG	9	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	8	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	8	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	8	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	11	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	11	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	11	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	16	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	16	0.15
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	16	0.15
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	10	0.15
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	11	0.15
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	12	0.15
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	11	0.15
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	12	0.15
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	6	0.15
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	11	0.15
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	12	0.15
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	11	0.15
(1,1936)	1:81:A:LEU:HD21	1:82:A:GLU:H	13	0.15
(1,1936)	1:81:A:LEU:HD22	1:82:A:GLU:H	13	0.15
(1,1936)	1:81:A:LEU:HD23	1:82:A:GLU:H	13	0.15
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	1	0.15
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	16	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	12	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	12	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	13	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	13	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	19	0.15
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	19	0.15
(1,1870)	1:80:A:GLU:HG2	1:85:A:ARG:H	11	0.15
(1,1870)	1:80:A:GLU:HG3	1:85:A:ARG:H	11	0.15
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	5	0.15
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:80:A:GLU:HG2	1:81:A:LEU:HA	5	0.15
(1,1865)	1:80:A:GLU:HG3	1:81:A:LEU:HA	5	0.15
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB2	15	0.15
(1,1826)	1:79:A:PHE:HB2	1:86:A:SER:HB3	15	0.15
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	3	0.15
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	8	0.15
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	1	0.15
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	7	0.15
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	16	0.15
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	17	0.15
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	5	0.15
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	13	0.15
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	9	0.15
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	9	0.15
(1,1733)	1:77:A:ILE:HD11	1:156:A:TYR:HA	3	0.15
(1,1733)	1:77:A:ILE:HD12	1:156:A:TYR:HA	3	0.15
(1,1733)	1:77:A:ILE:HD13	1:156:A:TYR:HA	3	0.15
(1,1733)	1:77:A:ILE:HD11	1:156:A:TYR:HA	10	0.15
(1,1733)	1:77:A:ILE:HD12	1:156:A:TYR:HA	10	0.15
(1,1733)	1:77:A:ILE:HD13	1:156:A:TYR:HA	10	0.15
(1,1721)	1:77:A:ILE:HD11	1:91:A:VAL:HA	5	0.15
(1,1721)	1:77:A:ILE:HD12	1:91:A:VAL:HA	5	0.15
(1,1721)	1:77:A:ILE:HD13	1:91:A:VAL:HA	5	0.15
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	12	0.15
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	19	0.15
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	12	0.15
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	12	0.15
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	10	0.15
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	10	0.15
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	12	0.15
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	12	0.15
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	7	0.15
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	7	0.15
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	7	0.15
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	14	0.15
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	14	0.15
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	14	0.15
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	14	0.15
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	14	0.15
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	14	0.15
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	6	0.15
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	17	0.15
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	17	0.15
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	10	0.15
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	10	0.15
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	10	0.15
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	11	0.15
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	11	0.15
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	11	0.15
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	12	0.15
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	8	0.15
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	9	0.15
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	12	0.15
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	13	0.15
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	1	0.15
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	1	0.15
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	1	0.15
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	1	0.15
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	8	0.15
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	8	0.15
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	8	0.15
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	7	0.15
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	9	0.15
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	12	0.15
(1,1536)	1:67:A:VAL:HG11	1:168:A:ASN:H	7	0.15
(1,1536)	1:67:A:VAL:HG12	1:168:A:ASN:H	7	0.15
(1,1536)	1:67:A:VAL:HG13	1:168:A:ASN:H	7	0.15
(1,1536)	1:67:A:VAL:HG21	1:168:A:ASN:H	7	0.15
(1,1536)	1:67:A:VAL:HG22	1:168:A:ASN:H	7	0.15
(1,1536)	1:67:A:VAL:HG23	1:168:A:ASN:H	7	0.15
(1,1516)	1:65:A:GLU:H	1:168:A:ASN:HB2	18	0.15
(1,1516)	1:65:A:GLU:H	1:168:A:ASN:HB3	18	0.15
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	7	0.15
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	7	0.15
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	11	0.15
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	11	0.15
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	14	0.15
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	14	0.15
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	19	0.15
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	19	0.15
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	2	0.15
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	4	0.15
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	6	0.15
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	6	0.15
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	6	0.15
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	11	0.15
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	11	0.15
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	11	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	1	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	1	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	1	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	1	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	1	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	1	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	11	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	11	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	11	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	11	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	11	0.15
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	11	0.15
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	10	0.15
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	18	0.15
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	13	0.15
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	7	0.15
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	20	0.15
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	3	0.15
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	19	0.15
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	2	0.15
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	2	0.15
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	2	0.15
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	9	0.15
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	12	0.15
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	16	0.15
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	7	0.15
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG11	19	0.15
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG12	19	0.15
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG13	19	0.15
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG21	19	0.15
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG22	19	0.15
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG23	19	0.15
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	2	0.15
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	2	0.15
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	2	0.15
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	2	0.15
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	2	0.15
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	8	0.15
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	8	0.15
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	8	0.15
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	8	0.15
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	8	0.15
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	8	0.15
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	13	0.15
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	13	0.15
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	13	0.15
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	13	0.15
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	13	0.15
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	13	0.15
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	9	0.15
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	9	0.15
(1,1159)	1:48:A:LYS:HD2	1:64:A:ILE:H	9	0.15
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	6	0.15
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	6	0.15
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	6	0.15
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	6	0.15
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	6	0.15
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	6	0.15
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	8	0.15
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	8	0.15
(1,1143)	1:48:A:LYS:HB2	1:49:A:VAL:H	11	0.15
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE2	2	0.15
(1,1131)	1:48:A:LYS:HB3	1:48:A:LYS:HE3	2	0.15
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	4	0.15
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	10	0.15
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	15	0.15
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	15	0.15
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	15	0.15
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	20	0.15
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	20	0.15
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	20	0.15
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	18	0.15
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	20	0.15
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	16	0.15
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	16	0.15
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	14	0.15
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	5	0.15
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	9	0.15
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	11	0.15
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	1	0.15
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	1	0.15
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	15	0.15
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	6	0.15
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	12	0.15
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	3	0.15
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	3	0.15
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	3	0.15
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	3	0.15
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	3	0.15
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	3	0.15
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	4	0.15
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	4	0.15
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	4	0.15
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	12	0.15
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	12	0.15
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	9	0.15
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	9	0.15
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	5	0.15
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	11	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	13	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	13	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	13	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	13	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	13	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	13	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	20	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	20	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	20	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	20	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	20	0.15
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	20	0.15
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	9	0.15
(1,933)	1:38:A:TYR:HB3	1:40:A:ARG:H	11	0.15
(1,932)	1:38:A:TYR:HB3	1:40:A:ARG:HE	3	0.15
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	12	0.15
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	11	0.15
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	14	0.15
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	5	0.15
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	2	0.15
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	7	0.15
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	9	0.15
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	18	0.15
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	14	0.15
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	19	0.15
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	7	0.15
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	7	0.15
(1,803)	1:31:A:GLU:HG2	1:33:A:TYR:H	6	0.15
(1,803)	1:31:A:GLU:HG3	1:33:A:TYR:H	6	0.15
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG11	6	0.15
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG12	6	0.15
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG13	6	0.15
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG21	6	0.15
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG22	6	0.15
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG23	6	0.15
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	17	0.15
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	17	0.15
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	1	0.15
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	2	0.15
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	17	0.15
(1,763)	1:29:A:GLU:HB2	1:44:A:LYS:HE2	3	0.15
(1,763)	1:29:A:GLU:HB2	1:44:A:LYS:HE3	3	0.15
(1,763)	1:29:A:GLU:HB3	1:44:A:LYS:HE2	3	0.15
(1,763)	1:29:A:GLU:HB3	1:44:A:LYS:HE3	3	0.15
(1,753)	1:29:A:GLU:HA	1:29:A:GLU:HG2	4	0.15
(1,753)	1:29:A:GLU:HA	1:29:A:GLU:HG3	4	0.15
(1,751)	1:28:A:PHE:H	1:67:A:VAL:HG11	3	0.15
(1,751)	1:28:A:PHE:H	1:67:A:VAL:HG12	3	0.15
(1,751)	1:28:A:PHE:H	1:67:A:VAL:HG13	3	0.15
(1,751)	1:28:A:PHE:H	1:67:A:VAL:HG21	3	0.15
(1,751)	1:28:A:PHE:H	1:67:A:VAL:HG22	3	0.15
(1,751)	1:28:A:PHE:H	1:67:A:VAL:HG23	3	0.15
(1,747)	1:28:A:PHE:H	1:29:A:GLU:H	3	0.15
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	2	0.15
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	2	0.15
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	2	0.15
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	7	0.15
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	20	0.15
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	20	0.15
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	7	0.15
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	7	0.15
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	7	0.15
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG11	19	0.15
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG12	19	0.15
(1,679)	1:26:A:GLU:H	1:67:A:VAL:HG13	19	0.15
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	1	0.15
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	1	0.15
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	1	0.15
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	1	0.15
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	1	0.15
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	1	0.15
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	12	0.15
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	14	0.15
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	14	0.15
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	12	0.15
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	17	0.15
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	19	0.15
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	11	0.15
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	11	0.15
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	11	0.15
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	14	0.15
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	11	0.15
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	11	0.15
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	11	0.15
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	11	0.15
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	13	0.15
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	13	0.15
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	13	0.15
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	14	0.15
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	14	0.15
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	14	0.15
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	17	0.15
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	17	0.15
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	17	0.15
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	2	0.15
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	2	0.15
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	2	0.15
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	13	0.15
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	13	0.15
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	13	0.15
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	17	0.15
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	17	0.15
(1,538)	1:19:A:ILE:HG21	1:20:A:THR:H	1	0.15
(1,538)	1:19:A:ILE:HG22	1:20:A:THR:H	1	0.15
(1,538)	1:19:A:ILE:HG23	1:20:A:THR:H	1	0.15
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	1	0.15
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	1	0.15
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	1	0.15
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	1	0.15
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	1	0.15
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	1	0.15
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	18	0.15
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	18	0.15
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	18	0.15
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	18	0.15
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	18	0.15
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	18	0.15
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	2	0.15
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	8	0.15
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	11	0.15
(1,515)	1:19:A:ILE:HA	1:19:A:ILE:HG13	16	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	1	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	1	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	14	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	14	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	17	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	17	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	19	0.15
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	19	0.15
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	2	0.15
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	11	0.15
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	16	0.15
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	3	0.15
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	9	0.15
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	9	0.15
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	9	0.15
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	9	0.15
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	9	0.15
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	9	0.15
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	9	0.15
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	17	0.15
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:13:A:ASP:HB2	1:15:A:VAL:H	8	0.15
(1,418)	1:13:A:ASP:HB3	1:15:A:VAL:H	6	0.15
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	9	0.15
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	19	0.15
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	19	0.15
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	19	0.15
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	19	0.15
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	19	0.15
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	19	0.15
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	2	0.15
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	5	0.15
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	6	0.15
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	12	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	7	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	7	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	7	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	11	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	11	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	11	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	15	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	15	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	15	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	20	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	20	0.15
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	20	0.15
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	15	0.15
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	15	0.15
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	15	0.15
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	15	0.15
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	15	0.15
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	15	0.15
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	8	0.15
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	8	0.15
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	12	0.15
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	12	0.15
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	19	0.15
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	19	0.15
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	11	0.15
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	11	0.15
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	11	0.15
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	1	0.15
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	2	0.15
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	2	0.15
(1,308)	1:11:A:GLN:HA	1:16:A:PRO:HB2	18	0.15
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	2	0.15
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	11	0.15
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	11	0.15
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	11	0.15
(1,284)	1:10:A:VAL:HG11	1:18:A:LYS:HA	20	0.15
(1,284)	1:10:A:VAL:HG12	1:18:A:LYS:HA	20	0.15
(1,284)	1:10:A:VAL:HG13	1:18:A:LYS:HA	20	0.15
(1,284)	1:10:A:VAL:HG21	1:18:A:LYS:HA	20	0.15
(1,284)	1:10:A:VAL:HG22	1:18:A:LYS:HA	20	0.15
(1,284)	1:10:A:VAL:HG23	1:18:A:LYS:HA	20	0.15
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	19	0.15
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	19	0.15
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	19	0.15
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	19	0.15
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	19	0.15
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	19	0.15
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	19	0.15
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	19	0.15
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	19	0.15
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	19	0.15
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	19	0.15
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	19	0.15
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	11	0.15
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	11	0.15
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	11	0.15
(1,261)	1:9:A:LEU:H	1:177:A:ILE:H	11	0.15
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	12	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	2	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	2	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	2	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	2	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	2	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	2	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	12	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	12	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	12	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	12	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	12	0.15
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	10	0.15
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	10	0.15
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	10	0.15
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	10	0.15
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	10	0.15
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	10	0.15
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	10	0.15
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	10	0.15
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	10	0.15
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	10	0.15
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	10	0.15
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	10	0.15
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	10	0.15
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	12	0.15
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	12	0.15
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	12	0.15
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	12	0.15
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	12	0.15
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	12	0.15
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	12	0.15
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	19	0.15
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	19	0.15
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	19	0.15
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	19	0.15
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	19	0.15
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	19	0.15
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	3	0.15
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	3	0.15
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	3	0.15
(1,146)	1:8:A:ILE:HD11	1:166:A:SER:HA	2	0.15
(1,146)	1:8:A:ILE:HD12	1:166:A:SER:HA	2	0.15
(1,146)	1:8:A:ILE:HD13	1:166:A:SER:HA	2	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	3	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	3	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	3	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	3	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	3	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	3	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	5	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	5	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	5	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	5	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	5	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	16	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	16	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	16	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	16	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	16	0.15
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	16	0.15
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	1	0.15
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	5	0.15
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	6	0.15
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	8	0.15
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	4	0.15
(1,76)	1:6:A:THR:HG21	1:21:A:LEU:HG	16	0.15
(1,76)	1:6:A:THR:HG22	1:21:A:LEU:HG	16	0.15
(1,76)	1:6:A:THR:HG23	1:21:A:LEU:HG	16	0.15
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	3	0.15
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	13	0.15
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	9	0.15
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	9	0.15
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	18	0.15
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	18	0.15
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	18	0.15
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	10	0.15
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	10	0.15
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	16	0.15
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	15	0.15
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	15	0.15
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	15	0.15
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	16	0.15
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	16	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	10	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	10	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	10	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	10	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	10	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	10	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	19	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	19	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	19	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	19	0.15
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	19	0.15
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	7	0.14
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD11	18	0.14
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD12	18	0.14
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD13	18	0.14
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	7	0.14
(1,3214)	1:180:A:ASN:HB3	1:182:A:VAL:H	14	0.14
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	8	0.14
(1,3204)	1:179:A:GLU:H	1:179:A:GLU:HG3	15	0.14
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	10	0.14
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	10	0.14
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	10	0.14
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	6	0.14
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	11	0.14
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	3	0.14
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	3	0.14
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	3	0.14
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	8	0.14
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	8	0.14
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	8	0.14
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	16	0.14
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	16	0.14
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	16	0.14
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	20	0.14
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	20	0.14
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	20	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	15	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	15	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	15	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	16	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	16	0.14
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	16	0.14
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	3	0.14
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	5	0.14
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	16	0.14
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	10	0.14
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	10	0.14
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	10	0.14
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	17	0.14
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	17	0.14
(1,3094)	1:166:A:SER:HB3	1:167:A:LEU:H	19	0.14
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3054)	1:161:A:ASP:H	1:161:A:ASP:HB3	16	0.14
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	1	0.14
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	1	0.14
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	19	0.14
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	19	0.14
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	6	0.14
(1,3019)	1:157:A:VAL:HB	1:158:A:ARG:H	4	0.14
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG11	2	0.14
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG12	2	0.14
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG13	2	0.14
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG11	2	0.14
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG12	2	0.14
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG13	2	0.14
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG11	17	0.14
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG12	17	0.14
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG13	17	0.14
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG11	17	0.14
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG12	17	0.14
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG13	17	0.14
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	20	0.14
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	20	0.14
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	15	0.14
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	15	0.14
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	15	0.14
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	9	0.14
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	9	0.14
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	20	0.14
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	20	0.14
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	17	0.14
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	17	0.14
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	4	0.14
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	11	0.14
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	11	0.14
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	11	0.14
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	2	0.14
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	4	0.14
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	11	0.14
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	13	0.14
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	15	0.14
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	12	0.14
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	12	0.14
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	2	0.14
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	6	0.14
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	13	0.14
(1,2831)	1:143:A:PRO:HB2	1:144:A:GLU:H	11	0.14
(1,2831)	1:143:A:PRO:HB3	1:144:A:GLU:H	11	0.14
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB2	8	0.14
(1,2798)	1:136:A:LYS:H	1:136:A:LYS:HB3	8	0.14
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	7	0.14
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG11	12	0.14
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG12	12	0.14
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG13	12	0.14
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG21	12	0.14
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG22	12	0.14
(1,2767)	1:124:A:LEU:H	1:125:A:VAL:HG23	12	0.14
(1,2745)	1:122:A:LEU:HG	1:123:A:GLU:H	8	0.14
(1,2723)	1:121:A:GLU:H	1:122:A:LEU:H	13	0.14
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	5	0.14
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	10	0.14
(1,2698)	1:120:A:SER:HB2	1:121:A:GLU:H	11	0.14
(1,2698)	1:120:A:SER:HB3	1:121:A:GLU:H	11	0.14
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	8	0.14
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	8	0.14
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	8	0.14
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	8	0.14
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	8	0.14
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	8	0.14
(1,2696)	1:120:A:SER:HA	1:121:A:GLU:H	11	0.14
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	10	0.14
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	10	0.14
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	10	0.14
(1,2692)	1:119:A:VAL:H	1:148:A:LEU:HD11	9	0.14
(1,2692)	1:119:A:VAL:H	1:148:A:LEU:HD12	9	0.14
(1,2692)	1:119:A:VAL:H	1:148:A:LEU:HD13	9	0.14
(1,2692)	1:119:A:VAL:H	1:148:A:LEU:HD21	9	0.14
(1,2692)	1:119:A:VAL:H	1:148:A:LEU:HD22	9	0.14
(1,2692)	1:119:A:VAL:H	1:148:A:LEU:HD23	9	0.14
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	6	0.14
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	6	0.14
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	6	0.14
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	6	0.14
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	6	0.14
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	19	0.14
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	19	0.14
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	19	0.14
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	19	0.14
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	19	0.14
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	19	0.14
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	20	0.14
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	20	0.14
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	20	0.14
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	20	0.14
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	20	0.14
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	20	0.14
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	3	0.14
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	3	0.14
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	3	0.14
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	3	0.14
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	3	0.14
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	3	0.14
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	3	0.14
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	3	0.14
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	3	0.14
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	3	0.14
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	3	0.14
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	3	0.14
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	5	0.14
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	5	0.14
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	5	0.14
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	5	0.14
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	5	0.14
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	5	0.14
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	5	0.14
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	5	0.14
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	5	0.14
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	5	0.14
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	5	0.14
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	5	0.14
(1,2680)	1:119:A:VAL:HG11	1:120:A:SER:H	8	0.14
(1,2680)	1:119:A:VAL:HG12	1:120:A:SER:H	8	0.14
(1,2680)	1:119:A:VAL:HG13	1:120:A:SER:H	8	0.14
(1,2680)	1:119:A:VAL:HG21	1:120:A:SER:H	8	0.14
(1,2680)	1:119:A:VAL:HG22	1:120:A:SER:H	8	0.14
(1,2680)	1:119:A:VAL:HG23	1:120:A:SER:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	3	0.14
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG11	13	0.14
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG12	13	0.14
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG13	13	0.14
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG11	19	0.14
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG12	19	0.14
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG13	19	0.14
(1,2600)	1:116:A:LYS:HE2	1:148:A:LEU:HG	20	0.14
(1,2600)	1:116:A:LYS:HE3	1:148:A:LEU:HG	20	0.14
(1,2597)	1:116:A:LYS:HD2	1:148:A:LEU:HD11	12	0.14
(1,2597)	1:116:A:LYS:HD2	1:148:A:LEU:HD12	12	0.14
(1,2597)	1:116:A:LYS:HD2	1:148:A:LEU:HD13	12	0.14
(1,2597)	1:116:A:LYS:HD3	1:148:A:LEU:HD11	12	0.14
(1,2597)	1:116:A:LYS:HD3	1:148:A:LEU:HD12	12	0.14
(1,2597)	1:116:A:LYS:HD3	1:148:A:LEU:HD13	12	0.14
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	5	0.14
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	5	0.14
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	17	0.14
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	17	0.14
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	19	0.14
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	19	0.14
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	5	0.14
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	11	0.14
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	14	0.14
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	16	0.14
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	16	0.14
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	16	0.14
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	1	0.14
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	1	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	9	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	9	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	9	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	9	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	9	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	9	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	16	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	16	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	16	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	16	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	16	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	16	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	19	0.14
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	19	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	19	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	19	0.14
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	19	0.14
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	7	0.14
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	7	0.14
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	7	0.14
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD11	19	0.14
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD12	19	0.14
(1,2512)	1:112:A:LYS:H	1:151:A:ILE:HD13	19	0.14
(1,2501)	1:112:A:LYS:HB2	1:113:A:GLU:HA	7	0.14
(1,2501)	1:112:A:LYS:HB3	1:113:A:GLU:HA	7	0.14
(1,2501)	1:112:A:LYS:HB2	1:113:A:GLU:HA	9	0.14
(1,2501)	1:112:A:LYS:HB3	1:113:A:GLU:HA	9	0.14
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	5	0.14
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	5	0.14
(1,2493)	1:111:A:VAL:H	1:112:A:LYS:HA	14	0.14
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	7	0.14
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	18	0.14
(1,2464)	1:108:A:ALA:H	1:110:A:GLU:HB3	10	0.14
(1,2446)	1:107:A:ARG:HG2	1:110:A:GLU:HB3	18	0.14
(1,2446)	1:107:A:ARG:HG3	1:110:A:GLU:HB3	18	0.14
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD1	4	0.14
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD2	4	0.14
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD1	4	0.14
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD2	4	0.14
(1,2405)	1:105:A:GLU:HB2	1:106:A:LYS:H	6	0.14
(1,2405)	1:105:A:GLU:HB3	1:106:A:LYS:H	6	0.14
(1,2392)	1:104:A:ILE:HG12	1:105:A:GLU:H	18	0.14
(1,2392)	1:104:A:ILE:HG13	1:105:A:GLU:H	18	0.14
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	1	0.14
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	1	0.14
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	1	0.14
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	17	0.14
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	17	0.14
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	1	0.14
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	20	0.14
(1,2330)	1:99:A:GLU:H	1:103:A:PHE:HA	9	0.14
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	19	0.14
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	19	0.14
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	19	0.14
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	5	0.14
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	5	0.14
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	14	0.14
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	14	0.14
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	5	0.14
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	5	0.14
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD2	3	0.14
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD3	3	0.14
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD2	3	0.14
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD3	3	0.14
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	16	0.14
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	16	0.14
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	16	0.14
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	16	0.14
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	16	0.14
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	16	0.14
(1,2289)	1:98:A:TYR:HB3	1:148:A:LEU:HB2	3	0.14
(1,2277)	1:97:A:VAL:H	1:103:A:PHE:HB3	2	0.14
(1,2267)	1:97:A:VAL:HG21	1:99:A:GLU:HG3	11	0.14
(1,2267)	1:97:A:VAL:HG22	1:99:A:GLU:HG3	11	0.14
(1,2267)	1:97:A:VAL:HG23	1:99:A:GLU:HG3	11	0.14
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	1	0.14
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	1	0.14
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	1	0.14
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	1	0.14
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	1	0.14
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	1	0.14
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	1	0.14
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	1	0.14
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	1	0.14
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	1	0.14
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	1	0.14
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	1	0.14
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	1	0.14
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	7	0.14
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	5	0.14
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	5	0.14
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	5	0.14
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	5	0.14
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	5	0.14
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	5	0.14
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	5	0.14
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	5	0.14
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	5	0.14
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	5	0.14
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	5	0.14
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	6	0.14
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	6	0.14
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	6	0.14
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	6	0.14
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	6	0.14
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	6	0.14
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	6	0.14
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	6	0.14
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	6	0.14
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	6	0.14
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	6	0.14
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	6	0.14
(1,2195)	1:96:A:LEU:HB2	1:183:A:THR:H	7	0.14
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	18	0.14
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	18	0.14
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD21	4	0.14
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD22	4	0.14
(1,2179)	1:96:A:LEU:HA	1:96:A:LEU:HD23	4	0.14
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	13	0.14
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	14	0.14
(1,2162)	1:94:A:PRO:HA	1:107:A:ARG:H	6	0.14
(1,2150)	1:92:A:ASP:HA	1:108:A:ALA:H	5	0.14
(1,2149)	1:91:A:VAL:H	1:108:A:ALA:H	6	0.14
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD1	17	0.14
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD2	17	0.14
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD1	17	0.14
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD2	17	0.14
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD1	17	0.14
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD2	17	0.14
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	3	0.14
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	3	0.14
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	3	0.14
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	3	0.14
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	3	0.14
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	3	0.14
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	13	0.14
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	13	0.14
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	15	0.14
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	15	0.14
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	15	0.14
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	17	0.14
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	17	0.14
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	17	0.14
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	6	0.14
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	8	0.14
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	16	0.14
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	15	0.14
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	15	0.14
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	15	0.14
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	2	0.14
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	15	0.14
(1,2086)	1:88:A:GLU:HG2	1:89:A:THR:H	3	0.14
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	1	0.14
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	1	0.14
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	5	0.14
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	5	0.14
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	8	0.14
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	8	0.14
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG21	10	0.14
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG22	10	0.14
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG23	10	0.14
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG21	10	0.14
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG22	10	0.14
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG23	10	0.14
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	9	0.14
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	19	0.14
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	8	0.14
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	1	0.14
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	1	0.14
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	14	0.14
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	14	0.14
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	19	0.14
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	19	0.14
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	12	0.14
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	12	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	1	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	1	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	4	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	4	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	4	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	6	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	6	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	6	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	10	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	10	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	10	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	17	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	17	0.14
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	17	0.14
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	5	0.14
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	14	0.14
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	2	0.14
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	1	0.14
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	17	0.14
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	4	0.14
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	4	0.14
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	7	0.14
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	12	0.14
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	6	0.14
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	20	0.14
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	1	0.14
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	12	0.14
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	13	0.14
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	2	0.14
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	2	0.14
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	2	0.14
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	8	0.14
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	8	0.14
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	8	0.14
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	8	0.14
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	8	0.14
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	8	0.14
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	18	0.14
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	18	0.14
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	18	0.14
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	18	0.14
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	18	0.14
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	20	0.14
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	17	0.14
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	17	0.14
(1,1861)	1:80:A:GLU:HB2	1:153:A:ASN:HA	18	0.14
(1,1861)	1:80:A:GLU:HB3	1:153:A:ASN:HA	18	0.14
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	7	0.14
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	7	0.14
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	7	0.14
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	7	0.14
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	8	0.14
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	8	0.14
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	18	0.14
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	18	0.14
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	18	0.14
(1,1792)	1:78:A:ARG:HD2	1:157:A:VAL:HB	6	0.14
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	15	0.14
(1,1764)	1:77:A:ILE:H	1:88:A:GLU:HA	13	0.14
(1,1733)	1:77:A:ILE:HD11	1:156:A:TYR:HA	13	0.14
(1,1733)	1:77:A:ILE:HD12	1:156:A:TYR:HA	13	0.14
(1,1733)	1:77:A:ILE:HD13	1:156:A:TYR:HA	13	0.14
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	8	0.14
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	8	0.14
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	8	0.14
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	16	0.14
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	16	0.14
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	16	0.14
(1,1716)	1:77:A:ILE:HA	1:157:A:VAL:H	10	0.14
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	4	0.14
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	8	0.14
(1,1688)	1:76:A:LEU:HD11	1:91:A:VAL:H	19	0.14
(1,1688)	1:76:A:LEU:HD12	1:91:A:VAL:H	19	0.14
(1,1688)	1:76:A:LEU:HD13	1:91:A:VAL:H	19	0.14
(1,1688)	1:76:A:LEU:HD21	1:91:A:VAL:H	19	0.14
(1,1688)	1:76:A:LEU:HD22	1:91:A:VAL:H	19	0.14
(1,1688)	1:76:A:LEU:HD23	1:91:A:VAL:H	19	0.14
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	11	0.14
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	11	0.14
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	16	0.14
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	3	0.14
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	8	0.14
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	9	0.14
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	8	0.14
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	8	0.14
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	8	0.14
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	16	0.14
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	16	0.14
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	16	0.14
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG11	16	0.14
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG12	16	0.14
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG13	16	0.14
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	16	0.14
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	16	0.14
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	16	0.14
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG11	16	0.14
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG12	16	0.14
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG13	16	0.14
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	16	0.14
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	16	0.14
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	16	0.14
(1,1635)	1:72:A:ALA:H	1:163:A:PHE:HB3	9	0.14
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	4	0.14
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	18	0.14
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	10	0.14
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	17	0.14
(1,1579)	1:69:A:LYS:HG3	1:163:A:PHE:HE1	5	0.14
(1,1579)	1:69:A:LYS:HG3	1:163:A:PHE:HE2	5	0.14
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	1	0.14
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	1	0.14
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	1	0.14
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	1	0.14
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	1	0.14
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	1	0.14
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	12	0.14
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	12	0.14
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	12	0.14
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	12	0.14
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	12	0.14
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	12	0.14
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	15	0.14
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	15	0.14
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	15	0.14
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	15	0.14
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	15	0.14
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	12	0.14
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	15	0.14
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	1	0.14
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	1	0.14
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	1	0.14
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	11	0.14
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	11	0.14
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	11	0.14
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	12	0.14
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	12	0.14
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	12	0.14
(1,1536)	1:67:A:VAL:HG11	1:168:A:ASN:H	6	0.14
(1,1536)	1:67:A:VAL:HG12	1:168:A:ASN:H	6	0.14
(1,1536)	1:67:A:VAL:HG13	1:168:A:ASN:H	6	0.14
(1,1536)	1:67:A:VAL:HG21	1:168:A:ASN:H	6	0.14
(1,1536)	1:67:A:VAL:HG22	1:168:A:ASN:H	6	0.14
(1,1536)	1:67:A:VAL:HG23	1:168:A:ASN:H	6	0.14
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	5	0.14
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	5	0.14
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	20	0.14
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	20	0.14
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	20	0.14
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	20	0.14
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	20	0.14
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	20	0.14
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	20	0.14
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	20	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	1	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	1	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	10	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	10	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	12	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	12	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	17	0.14
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	17	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	9	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	9	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	9	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	11	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	11	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	20	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	20	0.14
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	20	0.14
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB2	7	0.14
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB3	7	0.14
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB2	7	0.14
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB3	7	0.14
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB2	7	0.14
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB3	7	0.14
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	16	0.14
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	16	0.14
(1,1451)	1:62:A:THR:HB	1:170:A:LYS:HB3	9	0.14
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	5	0.14
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	17	0.14
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	18	0.14
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	18	0.14
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	18	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	1	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	1	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	1	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	3	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	3	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	3	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	20	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	20	0.14
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	20	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	13	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	13	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	13	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	13	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	13	0.14
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	13	0.14
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	1	0.14
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	9	0.14
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	11	0.14
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	13	0.14
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	17	0.14
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	12	0.14
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	18	0.14
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	18	0.14
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	18	0.14
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	16	0.14
(1,1288)	1:53:A:ASP:HA	1:55:A:GLU:H	4	0.14
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	6	0.14
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	6	0.14
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	6	0.14
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	14	0.14
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	14	0.14
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	14	0.14
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	2	0.14
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	2	0.14
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	2	0.14
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	4	0.14
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	4	0.14
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	4	0.14
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	17	0.14
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	17	0.14
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	17	0.14
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	18	0.14
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	18	0.14
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	18	0.14
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	3	0.14
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	17	0.14
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	19	0.14
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	11	0.14
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	18	0.14
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	10	0.14
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	10	0.14
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	10	0.14
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	18	0.14
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	18	0.14
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	18	0.14
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	18	0.14
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	18	0.14
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	18	0.14
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	20	0.14
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	20	0.14
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	20	0.14
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	20	0.14
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	20	0.14
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	20	0.14
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	11	0.14
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	11	0.14
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	19	0.14
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	9	0.14
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	9	0.14
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	9	0.14
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	9	0.14
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	9	0.14
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	9	0.14
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	19	0.14
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	19	0.14
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	19	0.14
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	19	0.14
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	19	0.14
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	19	0.14
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	3	0.14
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	3	0.14
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	11	0.14
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	11	0.14
(1,1148)	1:48:A:LYS:HD2	1:49:A:VAL:H	14	0.14
(1,1148)	1:48:A:LYS:HD3	1:49:A:VAL:H	14	0.14
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	4	0.14
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	16	0.14
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	1	0.14
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	1	0.14
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	1	0.14
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	4	0.14
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	4	0.14
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	4	0.14
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	19	0.14
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	19	0.14
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	19	0.14
(1,1111)	1:47:A:ILE:HG21	1:63:A:ASP:HA	3	0.14
(1,1111)	1:47:A:ILE:HG22	1:63:A:ASP:HA	3	0.14
(1,1111)	1:47:A:ILE:HG23	1:63:A:ASP:HA	3	0.14
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	2	0.14
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	9	0.14
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	15	0.14
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	15	0.14
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	6	0.14
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	18	0.14
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	10	0.14
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	14	0.14
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	14	0.14
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	14	0.14
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	14	0.14
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	2	0.14
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	5	0.14
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	16	0.14
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	19	0.14
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	5	0.14
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	5	0.14
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	5	0.14
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	5	0.14
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	5	0.14
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	5	0.14
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	13	0.14
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	16	0.14
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	17	0.14
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	4	0.14
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	4	0.14
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	10	0.14
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	10	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	11	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	11	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	11	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	11	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	11	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	11	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	12	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	12	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	12	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	12	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	12	0.14
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	12	0.14
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	1	0.14
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	16	0.14
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	2	0.14
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	19	0.14
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	13	0.14
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	19	0.14
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	17	0.14
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	3	0.14
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	12	0.14
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	17	0.14
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG11	4	0.14
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG12	4	0.14
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG13	4	0.14
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG21	4	0.14
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG22	4	0.14
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG23	4	0.14
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	5	0.14
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	5	0.14
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	17	0.14
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	17	0.14
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	17	0.14
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	17	0.14
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	8	0.14
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	8	0.14
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	10	0.14
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	10	0.14
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	3	0.14
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	3	0.14
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	3	0.14
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	18	0.14
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	18	0.14
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	4	0.14
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	4	0.14
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	10	0.14
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	10	0.14
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	15	0.14
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	15	0.14
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	9	0.14
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	9	0.14
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	14	0.14
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	14	0.14
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	6	0.14
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	7	0.14
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	16	0.14
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	6	0.14
(1,753)	1:29:A:GLU:HA	1:29:A:GLU:HG2	2	0.14
(1,753)	1:29:A:GLU:HA	1:29:A:GLU:HG3	2	0.14
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG11	19	0.14
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG12	19	0.14
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG13	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG11	19	0.14
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG12	19	0.14
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG13	19	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	5	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	5	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	5	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	11	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	11	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	11	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	17	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	17	0.14
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	17	0.14
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	9	0.14
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	15	0.14
(1,717)	1:28:A:PHE:HA	1:44:A:LYS:HG2	12	0.14
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	9	0.14
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	9	0.14
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	9	0.14
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	9	0.14
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	12	0.14
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	12	0.14
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	12	0.14
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	17	0.14
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	17	0.14
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	17	0.14
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	19	0.14
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	19	0.14
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	19	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	10	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	10	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	10	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	14	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	14	0.14
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	14	0.14
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	4	0.14
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	18	0.14
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	11	0.14
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	11	0.14
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	2	0.14
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	11	0.14
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	11	0.14
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	4	0.14
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	6	0.14
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	6	0.14
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	8	0.14
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	8	0.14
(1,607)	1:22:A:ARG:H	1:23:A:GLU:HA	16	0.14
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD2	17	0.14
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD3	17	0.14
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	3	0.14
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	17	0.14
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	15	0.14
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	15	0.14
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	15	0.14
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	15	0.14
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	15	0.14
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	15	0.14
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	15	0.14
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	15	0.14
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	15	0.14
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	5	0.14
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	5	0.14
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	5	0.14
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	8	0.14
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	8	0.14
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	8	0.14
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	15	0.14
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	15	0.14
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	15	0.14
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	18	0.14
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	18	0.14
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	18	0.14
(1,528)	1:19:A:ILE:HD11	1:23:A:GLU:H	17	0.14
(1,528)	1:19:A:ILE:HD12	1:23:A:GLU:H	17	0.14
(1,528)	1:19:A:ILE:HD13	1:23:A:GLU:H	17	0.14
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	6	0.14
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	6	0.14
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	6	0.14
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	6	0.14
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	6	0.14
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	6	0.14
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	7	0.14
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	7	0.14
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	7	0.14
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	7	0.14
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	7	0.14
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	9	0.14
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG21	8	0.14
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG22	8	0.14
(1,499)	1:18:A:LYS:HB3	1:19:A:ILE:HG23	8	0.14
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	2	0.14
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	2	0.14
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	4	0.14
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	6	0.14
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	8	0.14
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	10	0.14
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	20	0.14
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	8	0.14
(1,449)	1:15:A:VAL:HG11	1:16:A:PRO:HG2	3	0.14
(1,449)	1:15:A:VAL:HG12	1:16:A:PRO:HG2	3	0.14
(1,449)	1:15:A:VAL:HG13	1:16:A:PRO:HG2	3	0.14
(1,449)	1:15:A:VAL:HG21	1:16:A:PRO:HG2	3	0.14
(1,449)	1:15:A:VAL:HG22	1:16:A:PRO:HG2	3	0.14
(1,449)	1:15:A:VAL:HG23	1:16:A:PRO:HG2	3	0.14
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	5	0.14
(1,444)	1:15:A:VAL:HB	1:16:A:PRO:HD3	15	0.14
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	9	0.14
(1,419)	1:13:A:ASP:HB2	1:14:A:GLY:H	13	0.14
(1,418)	1:13:A:ASP:HB3	1:15:A:VAL:H	11	0.14
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	7	0.14
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	6	0.14
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	20	0.14
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD21	10	0.14
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD22	10	0.14
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	1	0.14
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	8	0.14
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	9	0.14
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	11	0.14
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	13	0.14
(1,367)	1:12:A:ILE:HB	1:13:A:ASP:H	19	0.14
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	1	0.14
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	1	0.14
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	1	0.14
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	10	0.14
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	10	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	4	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	4	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	4	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	4	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	4	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	4	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	5	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	5	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	5	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	5	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	5	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	5	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	8	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	8	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	8	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	8	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	8	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	8	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	20	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	20	0.14
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	20	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	20	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	20	0.14
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	20	0.14
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	18	0.14
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	18	0.14
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	18	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	2	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	2	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	2	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	2	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	2	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	2	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	2	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	2	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	2	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	2	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	2	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	2	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD11	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD12	20	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD13	20	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD21	20	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD22	20	0.14
(1,318)	1:11:A:GLN:HE21	1:124:A:LEU:HD23	20	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD11	20	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD12	20	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD13	20	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD21	20	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD22	20	0.14
(1,318)	1:11:A:GLN:HE22	1:124:A:LEU:HD23	20	0.14
(1,308)	1:11:A:GLN:HA	1:16:A:PRO:HB2	7	0.14
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	14	0.14
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	17	0.14
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	20	0.14
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	8	0.14
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	8	0.14
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	8	0.14
(1,284)	1:10:A:VAL:HG11	1:18:A:LYS:HA	4	0.14
(1,284)	1:10:A:VAL:HG12	1:18:A:LYS:HA	4	0.14
(1,284)	1:10:A:VAL:HG13	1:18:A:LYS:HA	4	0.14
(1,284)	1:10:A:VAL:HG21	1:18:A:LYS:HA	4	0.14
(1,284)	1:10:A:VAL:HG22	1:18:A:LYS:HA	4	0.14
(1,284)	1:10:A:VAL:HG23	1:18:A:LYS:HA	4	0.14
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	18	0.14
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	18	0.14
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	18	0.14
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	18	0.14
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	18	0.14
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	18	0.14
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	18	0.14
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	18	0.14
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	18	0.14
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	18	0.14
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	18	0.14
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	18	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	1	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	1	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	1	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	7	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	7	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG21	14	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG22	14	0.14
(1,273)	1:10:A:VAL:HB	1:47:A:ILE:HG23	14	0.14
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	14	0.14
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	14	0.14
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	14	0.14
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	14	0.14
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	14	0.14
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	14	0.14
(1,236)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	6	0.14
(1,236)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	6	0.14
(1,236)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	6	0.14
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	15	0.14
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	15	0.14
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	15	0.14
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	15	0.14
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	15	0.14
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	15	0.14
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	15	0.14
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	15	0.14
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	15	0.14
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	15	0.14
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	15	0.14
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	15	0.14
(1,221)	1:9:A:LEU:HD11	1:18:A:LYS:HE2	2	0.14
(1,221)	1:9:A:LEU:HD11	1:18:A:LYS:HE3	2	0.14
(1,221)	1:9:A:LEU:HD12	1:18:A:LYS:HE2	2	0.14
(1,221)	1:9:A:LEU:HD12	1:18:A:LYS:HE3	2	0.14
(1,221)	1:9:A:LEU:HD13	1:18:A:LYS:HE2	2	0.14
(1,221)	1:9:A:LEU:HD13	1:18:A:LYS:HE3	2	0.14
(1,221)	1:9:A:LEU:HD21	1:18:A:LYS:HE2	2	0.14
(1,221)	1:9:A:LEU:HD21	1:18:A:LYS:HE3	2	0.14
(1,221)	1:9:A:LEU:HD22	1:18:A:LYS:HE2	2	0.14
(1,221)	1:9:A:LEU:HD22	1:18:A:LYS:HE3	2	0.14
(1,221)	1:9:A:LEU:HD23	1:18:A:LYS:HE2	2	0.14
(1,221)	1:9:A:LEU:HD23	1:18:A:LYS:HE3	2	0.14
(1,221)	1:9:A:LEU:HD11	1:18:A:LYS:HE2	9	0.14
(1,221)	1:9:A:LEU:HD11	1:18:A:LYS:HE3	9	0.14
(1,221)	1:9:A:LEU:HD12	1:18:A:LYS:HE2	9	0.14
(1,221)	1:9:A:LEU:HD12	1:18:A:LYS:HE3	9	0.14
(1,221)	1:9:A:LEU:HD13	1:18:A:LYS:HE2	9	0.14
(1,221)	1:9:A:LEU:HD13	1:18:A:LYS:HE3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:9:A:LEU:HD21	1:18:A:LYS:HE2	9	0.14
(1,221)	1:9:A:LEU:HD21	1:18:A:LYS:HE3	9	0.14
(1,221)	1:9:A:LEU:HD22	1:18:A:LYS:HE2	9	0.14
(1,221)	1:9:A:LEU:HD22	1:18:A:LYS:HE3	9	0.14
(1,221)	1:9:A:LEU:HD23	1:18:A:LYS:HE2	9	0.14
(1,221)	1:9:A:LEU:HD23	1:18:A:LYS:HE3	9	0.14
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	3	0.14
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	3	0.14
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	3	0.14
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	3	0.14
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	3	0.14
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	3	0.14
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	14	0.14
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	14	0.14
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	14	0.14
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	14	0.14
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	14	0.14
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	14	0.14
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	17	0.14
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	17	0.14
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	17	0.14
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	17	0.14
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	17	0.14
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	17	0.14
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	6	0.14
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	6	0.14
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	6	0.14
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	7	0.14
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	7	0.14
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	7	0.14
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG21	10	0.14
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG22	10	0.14
(1,161)	1:8:A:ILE:HG12	1:177:A:ILE:HG23	10	0.14
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	4	0.14
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	10	0.14
(1,149)	1:8:A:ILE:HD11	1:175:A:VAL:HB	3	0.14
(1,149)	1:8:A:ILE:HD12	1:175:A:VAL:HB	3	0.14
(1,149)	1:8:A:ILE:HD13	1:175:A:VAL:HB	3	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	2	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	2	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	2	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	2	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	2	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	9	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	9	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	9	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	9	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	9	0.14
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	9	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	2	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	2	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	2	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	2	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	2	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	2	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	13	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	13	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	13	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	13	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	13	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	13	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	15	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	15	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	15	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	15	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	15	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	15	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	20	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	20	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	20	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	20	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	20	0.14
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	20	0.14
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	17	0.14
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	4	0.14
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	5	0.14
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	9	0.14
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	12	0.14
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	11	0.14
(1,112)	1:7:A:ARG:H	1:7:A:ARG:HB3	17	0.14
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	19	0.14
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	19	0.14
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	8	0.14
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	8	0.14
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	8	0.14
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	8	0.14
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	8	0.14
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	3	0.14
(1,96)	1:7:A:ARG:HB2	1:8:A:ILE:H	10	0.14
(1,96)	1:7:A:ARG:HB3	1:8:A:ILE:H	10	0.14
(1,75)	1:6:A:THR:HG21	1:20:A:THR:HB	6	0.14
(1,75)	1:6:A:THR:HG22	1:20:A:THR:HB	6	0.14
(1,75)	1:6:A:THR:HG23	1:20:A:THR:HB	6	0.14
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	4	0.14
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	4	0.14
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	13	0.14
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	13	0.14
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	18	0.14
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	18	0.14
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	4	0.14
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	12	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	7	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	7	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	7	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	7	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	7	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	7	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	11	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	11	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	11	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	11	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	11	0.14
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	11	0.14
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	20	0.14
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	20	0.14
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	18	0.14
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB2	12	0.14
(1,12)	1:3:A:PRO:HA	1:76:A:LEU:HB3	12	0.14
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	5	0.14
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	5	0.14
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	5	0.14
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	16	0.14
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	16	0.14
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	9	0.13
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	16	0.13
(1,3213)	1:180:A:ASN:HB3	1:180:A:ASN:HD22	8	0.13
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	16	0.13
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	4	0.13
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	4	0.13
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	4	0.13
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	2	0.13
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	3	0.13
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	2	0.13
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	2	0.13
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	2	0.13
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	14	0.13
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	14	0.13
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	14	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	1	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	1	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	1	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	3	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	3	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	3	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	11	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	11	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	11	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	19	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	19	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	19	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	20	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	20	0.13
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	20	0.13
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	17	0.13
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	6	0.13
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	6	0.13
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	6	0.13
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	13	0.13
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	13	0.13
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	13	0.13
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	15	0.13
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	15	0.13
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	15	0.13
(1,3099)	1:167:A:LEU:HB2	1:168:A:ASN:H	3	0.13
(1,3099)	1:167:A:LEU:HB3	1:168:A:ASN:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3094)	1:166:A:SER:HB3	1:167:A:LEU:H	14	0.13
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG21	14	0.13
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG22	14	0.13
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG23	14	0.13
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	10	0.13
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	12	0.13
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	12	0.13
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	2	0.13
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	3	0.13
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	10	0.13
(1,3014)	1:156:A:TYR:H	1:157:A:VAL:H	2	0.13
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	4	0.13
(1,3001)	1:155:A:LYS:H	1:155:A:LYS:HB3	8	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	6	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	6	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	6	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	6	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	6	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	6	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	11	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	11	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	11	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	11	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	11	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	11	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	18	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	18	0.13
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	18	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	18	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	18	0.13
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	18	0.13
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	8	0.13
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	19	0.13
(1,2987)	1:155:A:LYS:HB2	1:155:A:LYS:HE2	6	0.13
(1,2987)	1:155:A:LYS:HB2	1:155:A:LYS:HE3	6	0.13
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	2	0.13
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	2	0.13
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	2	0.13
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG11	11	0.13
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG12	11	0.13
(1,2985)	1:155:A:LYS:HB3	1:157:A:VAL:HG13	11	0.13
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	6	0.13
(1,2980)	1:155:A:LYS:HA	1:155:A:LYS:HD3	12	0.13
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	3	0.13
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	3	0.13
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	3	0.13
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	6	0.13
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	6	0.13
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	6	0.13
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	12	0.13
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	12	0.13
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	12	0.13
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	14	0.13
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	14	0.13
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	14	0.13
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	7	0.13
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	7	0.13
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	14	0.13
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	14	0.13
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	10	0.13
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	10	0.13
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	13	0.13
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	13	0.13
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	14	0.13
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	14	0.13
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	20	0.13
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	5	0.13
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	5	0.13
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	5	0.13
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	16	0.13
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	16	0.13
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	16	0.13
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	4	0.13
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	4	0.13
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	1	0.13
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	3	0.13
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	20	0.13
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD11	2	0.13
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD12	2	0.13
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD13	2	0.13
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD11	5	0.13
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD12	5	0.13
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD13	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	1	0.13
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	16	0.13
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	20	0.13
(1,2840)	1:146:A:ASP:H	1:146:A:ASP:HB2	8	0.13
(1,2840)	1:146:A:ASP:H	1:146:A:ASP:HB3	8	0.13
(1,2839)	1:146:A:ASP:HB2	1:147:A:GLN:HA	11	0.13
(1,2839)	1:146:A:ASP:HB3	1:147:A:GLN:HA	11	0.13
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	16	0.13
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	16	0.13
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB2	12	0.13
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB3	12	0.13
(1,2801)	1:136:A:LYS:H	1:137:A:ASN:HB2	10	0.13
(1,2801)	1:136:A:LYS:H	1:137:A:ASN:HB2	20	0.13
(1,2793)	1:136:A:LYS:HB3	1:137:A:ASN:H	2	0.13
(1,2793)	1:136:A:LYS:HB3	1:137:A:ASN:H	9	0.13
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG11	10	0.13
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG12	10	0.13
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG13	10	0.13
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG21	10	0.13
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG22	10	0.13
(1,2773)	1:125:A:VAL:H	1:125:A:VAL:HG23	10	0.13
(1,2744)	1:122:A:LEU:HD11	1:144:A:GLU:H	18	0.13
(1,2744)	1:122:A:LEU:HD12	1:144:A:GLU:H	18	0.13
(1,2744)	1:122:A:LEU:HD13	1:144:A:GLU:H	18	0.13
(1,2744)	1:122:A:LEU:HD21	1:144:A:GLU:H	18	0.13
(1,2744)	1:122:A:LEU:HD22	1:144:A:GLU:H	18	0.13
(1,2744)	1:122:A:LEU:HD23	1:144:A:GLU:H	18	0.13
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	1	0.13
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	7	0.13
(1,2732)	1:122:A:LEU:HA	1:145:A:HIS:HB3	16	0.13
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB2	15	0.13
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB3	15	0.13
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	19	0.13
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	19	0.13
(1,2719)	1:121:A:GLU:HB2	1:145:A:HIS:HA	11	0.13
(1,2719)	1:121:A:GLU:HB3	1:145:A:HIS:HA	11	0.13
(1,2717)	1:121:A:GLU:HB2	1:122:A:LEU:HA	15	0.13
(1,2717)	1:121:A:GLU:HB3	1:122:A:LEU:HA	15	0.13
(1,2714)	1:121:A:GLU:HA	1:145:A:HIS:HB2	9	0.13
(1,2714)	1:121:A:GLU:HA	1:145:A:HIS:HB3	9	0.13
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	4	0.13
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	15	0.13
(1,2710)	1:121:A:GLU:HA	1:121:A:GLU:HB3	3	0.13
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG11	7	0.13
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG12	7	0.13
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG13	7	0.13
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG21	7	0.13
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG22	7	0.13
(1,2697)	1:120:A:SER:HA	1:182:A:VAL:HG23	7	0.13
(1,2683)	1:119:A:VAL:HG11	1:180:A:ASN:HB3	9	0.13
(1,2683)	1:119:A:VAL:HG12	1:180:A:ASN:HB3	9	0.13
(1,2683)	1:119:A:VAL:HG13	1:180:A:ASN:HB3	9	0.13
(1,2683)	1:119:A:VAL:HG21	1:180:A:ASN:HB3	9	0.13
(1,2683)	1:119:A:VAL:HG22	1:180:A:ASN:HB3	9	0.13
(1,2683)	1:119:A:VAL:HG23	1:180:A:ASN:HB3	9	0.13
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	6	0.13
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	6	0.13
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	20	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG11	1	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG12	1	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG13	1	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG21	1	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG22	1	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG23	1	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG11	2	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG12	2	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG13	2	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG21	2	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG22	2	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG23	2	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG11	20	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG12	20	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG13	20	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG21	20	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG22	20	0.13
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG23	20	0.13
(1,2612)	1:116:A:LYS:HG3	1:117:A:VAL:H	15	0.13
(1,2603)	1:116:A:LYS:HE2	1:150:A:GLU:HB3	5	0.13
(1,2603)	1:116:A:LYS:HE3	1:150:A:GLU:HB3	5	0.13
(1,2600)	1:116:A:LYS:HE2	1:148:A:LEU:HG	9	0.13
(1,2600)	1:116:A:LYS:HE3	1:148:A:LEU:HG	9	0.13
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	1	0.13
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	6	0.13
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	6	0.13
(1,2595)	1:116:A:LYS:HD2	1:148:A:LEU:HA	16	0.13
(1,2595)	1:116:A:LYS:HD3	1:148:A:LEU:HA	16	0.13
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	8	0.13
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	8	0.13
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	19	0.13
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	19	0.13
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	15	0.13
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	4	0.13
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	13	0.13
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	10	0.13
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	10	0.13
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	10	0.13
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	19	0.13
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	19	0.13
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	1	0.13
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	1	0.13
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	1	0.13
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	1	0.13
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	1	0.13
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	1	0.13
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	6	0.13
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	6	0.13
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	6	0.13
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	6	0.13
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	6	0.13
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	6	0.13
(1,2523)	1:113:A:GLU:HB2	1:114:A:GLY:HA2	12	0.13
(1,2523)	1:113:A:GLU:HB3	1:114:A:GLY:HA2	12	0.13
(1,2523)	1:113:A:GLU:HB2	1:114:A:GLY:HA2	14	0.13
(1,2523)	1:113:A:GLU:HB3	1:114:A:GLY:HA2	14	0.13
(1,2509)	1:112:A:LYS:H	1:112:A:LYS:HD2	1	0.13
(1,2509)	1:112:A:LYS:H	1:112:A:LYS:HD3	1	0.13
(1,2446)	1:107:A:ARG:HG2	1:110:A:GLU:HB3	13	0.13
(1,2446)	1:107:A:ARG:HG3	1:110:A:GLU:HB3	13	0.13
(1,2419)	1:106:A:LYS:HB2	1:110:A:GLU:HB3	13	0.13
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	1	0.13
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	1	0.13
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	15	0.13
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	15	0.13
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	11	0.13
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	11	0.13
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	17	0.13
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	17	0.13
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	10	0.13
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	10	0.13
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD2	13	0.13
(1,2365)	1:102:A:ARG:H	1:102:A:ARG:HD3	13	0.13
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	11	0.13
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	11	0.13
(1,2325)	1:99:A:GLU:H	1:99:A:GLU:HB2	2	0.13
(1,2325)	1:99:A:GLU:H	1:99:A:GLU:HB3	2	0.13
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	4	0.13
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	4	0.13
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD2	15	0.13
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD3	15	0.13
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD2	15	0.13
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD3	15	0.13
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	17	0.13
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	17	0.13
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	17	0.13
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	17	0.13
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	17	0.13
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	17	0.13
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	14	0.13
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	19	0.13
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	15	0.13
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	16	0.13
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	17	0.13
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	1	0.13
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	1	0.13
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	1	0.13
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	1	0.13
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	1	0.13
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	1	0.13
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	1	0.13
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	1	0.13
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	1	0.13
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	1	0.13
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	1	0.13
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	1	0.13
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	15	0.13
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	15	0.13
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	15	0.13
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	15	0.13
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	15	0.13
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	15	0.13
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	15	0.13
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	15	0.13
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	15	0.13
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	15	0.13
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	15	0.13
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	12	0.13
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	12	0.13
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	13	0.13
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	13	0.13
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	4	0.13
(1,2166)	1:95:A:VAL:HA	1:184:A:HIS:H	10	0.13
(1,2161)	1:94:A:PRO:HA	1:107:A:ARG:HG2	1	0.13
(1,2161)	1:94:A:PRO:HA	1:107:A:ARG:HG3	1	0.13
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	2	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	2	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	2	0.13
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	6	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	6	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	6	0.13
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	10	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	10	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	10	0.13
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	12	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	12	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	12	0.13
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	17	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	17	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	17	0.13
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	18	0.13
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	18	0.13
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	18	0.13
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	4	0.13
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	4	0.13
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	4	0.13
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	14	0.13
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	14	0.13
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	15	0.13
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	15	0.13
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	15	0.13
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	14	0.13
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	15	0.13
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	12	0.13
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	12	0.13
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	12	0.13
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	5	0.13
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	16	0.13
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	18	0.13
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	18	0.13
(1,2083)	1:88:A:GLU:HB2	1:89:A:THR:H	2	0.13
(1,2083)	1:88:A:GLU:HB2	1:89:A:THR:H	20	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD11	18	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD12	18	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD13	18	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD11	19	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD12	19	0.13
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD13	19	0.13
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	1	0.13
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	15	0.13
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	20	0.13
(1,2031)	1:85:A:ARG:HG2	1:149:A:LEU:HB2	20	0.13
(1,2031)	1:85:A:ARG:HG3	1:149:A:LEU:HB2	20	0.13
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	15	0.13
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	15	0.13
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	15	0.13
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	17	0.13
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	7	0.13
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	8	0.13
(1,1987)	1:82:A:GLU:H	1:152:A:LYS:HE2	5	0.13
(1,1987)	1:82:A:GLU:H	1:152:A:LYS:HE3	5	0.13
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	17	0.13
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD2	12	0.13
(1,1959)	1:82:A:GLU:HA	1:152:A:LYS:HD3	12	0.13
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	10	0.13
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	10	0.13
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	10	0.13
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	5	0.13
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	17	0.13
(1,1884)	1:80:A:GLU:H	1:86:A:SER:HA	6	0.13
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	7	0.13
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	7	0.13
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	12	0.13
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	12	0.13
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	14	0.13
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	14	0.13
(1,1871)	1:80:A:GLU:HG2	1:86:A:SER:HA	17	0.13
(1,1871)	1:80:A:GLU:HG3	1:86:A:SER:HA	17	0.13
(1,1871)	1:80:A:GLU:HG2	1:86:A:SER:HA	19	0.13
(1,1871)	1:80:A:GLU:HG3	1:86:A:SER:HA	19	0.13
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	11	0.13
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	11	0.13
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	2	0.13
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	2	0.13
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	17	0.13
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	17	0.13
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	9	0.13
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	1	0.13
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	1	0.13
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	5	0.13
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	5	0.13
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	11	0.13
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	11	0.13
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	14	0.13
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	14	0.13
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	17	0.13
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	17	0.13
(1,1805)	1:78:A:ARG:HG2	1:88:A:GLU:HG2	13	0.13
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	4	0.13
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	12	0.13
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	17	0.13
(1,1789)	1:78:A:ARG:HD2	1:79:A:PHE:H	17	0.13
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	19	0.13
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	19	0.13
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	11	0.13
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	18	0.13
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	20	0.13
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	7	0.13
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	7	0.13
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG21	12	0.13
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG22	12	0.13
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG23	12	0.13
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	18	0.13
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	12	0.13
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	12	0.13
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	12	0.13
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	1	0.13
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	7	0.13
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	8	0.13
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	9	0.13
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	13	0.13
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	9	0.13
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	9	0.13
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	9	0.13
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	9	0.13
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	11	0.13
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	11	0.13
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	11	0.13
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	11	0.13
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	11	0.13
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	11	0.13
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB2	13	0.13
(1,1565)	1:68:A:ILE:HG21	1:168:A:ASN:HB3	13	0.13
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB2	13	0.13
(1,1565)	1:68:A:ILE:HG22	1:168:A:ASN:HB3	13	0.13
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB2	13	0.13
(1,1565)	1:68:A:ILE:HG23	1:168:A:ASN:HB3	13	0.13
(1,1562)	1:68:A:ILE:HG12	1:166:A:SER:H	18	0.13
(1,1556)	1:68:A:ILE:HD11	1:168:A:ASN:HA	7	0.13
(1,1556)	1:68:A:ILE:HD12	1:168:A:ASN:HA	7	0.13
(1,1556)	1:68:A:ILE:HD13	1:168:A:ASN:HA	7	0.13
(1,1556)	1:68:A:ILE:HD11	1:168:A:ASN:HA	16	0.13
(1,1556)	1:68:A:ILE:HD12	1:168:A:ASN:HA	16	0.13
(1,1556)	1:68:A:ILE:HD13	1:168:A:ASN:HA	16	0.13
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	17	0.13
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	17	0.13
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	17	0.13
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	17	0.13
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	18	0.13
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	20	0.13
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD11	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD12	5	0.13
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD13	5	0.13
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	11	0.13
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	11	0.13
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	11	0.13
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	11	0.13
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	11	0.13
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	11	0.13
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	11	0.13
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	11	0.13
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	11	0.13
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	11	0.13
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	11	0.13
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	11	0.13
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	12	0.13
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	12	0.13
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	12	0.13
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	12	0.13
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	12	0.13
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	12	0.13
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	12	0.13
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	12	0.13
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	12	0.13
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	12	0.13
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	12	0.13
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	12	0.13
(1,1517)	1:65:A:GLU:H	1:168:A:ASN:H	7	0.13
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	13	0.13
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	13	0.13
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	15	0.13
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	15	0.13
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB1	5	0.13
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB2	5	0.13
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB3	5	0.13
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	6	0.13
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	6	0.13
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	6	0.13
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	1	0.13
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	3	0.13
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	6	0.13
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	13	0.13
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	16	0.13
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	18	0.13
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	15	0.13
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	15	0.13
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	15	0.13
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	20	0.13
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	20	0.13
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	20	0.13
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	17	0.13
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	17	0.13
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	17	0.13
(1,1402)	1:59:A:VAL:HG11	1:60:A:VAL:HA	16	0.13
(1,1402)	1:59:A:VAL:HG12	1:60:A:VAL:HA	16	0.13
(1,1402)	1:59:A:VAL:HG13	1:60:A:VAL:HA	16	0.13
(1,1402)	1:59:A:VAL:HG21	1:60:A:VAL:HA	16	0.13
(1,1402)	1:59:A:VAL:HG22	1:60:A:VAL:HA	16	0.13
(1,1402)	1:59:A:VAL:HG23	1:60:A:VAL:HA	16	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	2	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	2	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	2	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	2	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	2	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	2	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	15	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	15	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	15	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	15	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	15	0.13
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	15	0.13
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	2	0.13
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	2	0.13
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	3	0.13
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	3	0.13
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	5	0.13
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	5	0.13
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	17	0.13
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	17	0.13
(1,1376)	1:56:A:THR:H	1:57:A:GLY:HA2	2	0.13
(1,1362)	1:55:A:GLU:H	1:56:A:THR:HG21	8	0.13
(1,1362)	1:55:A:GLU:H	1:56:A:THR:HG22	8	0.13
(1,1362)	1:55:A:GLU:H	1:56:A:THR:HG23	8	0.13
(1,1336)	1:54:A:LEU:HD11	1:55:A:GLU:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:54:A:LEU:HD12	1:55:A:GLU:H	5	0.13
(1,1336)	1:54:A:LEU:HD13	1:55:A:GLU:H	5	0.13
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	12	0.13
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	12	0.13
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	12	0.13
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	12	0.13
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	12	0.13
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	12	0.13
(1,1331)	1:54:A:LEU:HD11	1:55:A:GLU:HG2	4	0.13
(1,1331)	1:54:A:LEU:HD12	1:55:A:GLU:HG2	4	0.13
(1,1331)	1:54:A:LEU:HD13	1:55:A:GLU:HG2	4	0.13
(1,1331)	1:54:A:LEU:HD21	1:55:A:GLU:HG2	4	0.13
(1,1331)	1:54:A:LEU:HD22	1:55:A:GLU:HG2	4	0.13
(1,1331)	1:54:A:LEU:HD23	1:55:A:GLU:HG2	4	0.13
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	4	0.13
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	6	0.13
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	17	0.13
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	6	0.13
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	6	0.13
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	6	0.13
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	6	0.13
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	11	0.13
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	12	0.13
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	13	0.13
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	18	0.13
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB2	18	0.13
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB3	18	0.13
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB2	18	0.13
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB3	18	0.13
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB2	18	0.13
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB3	18	0.13
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	8	0.13
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	8	0.13
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	8	0.13
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	6	0.13
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	8	0.13
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	10	0.13
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	18	0.13
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	8	0.13
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	16	0.13
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	20	0.13
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	14	0.13
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	14	0.13
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	15	0.13
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	15	0.13
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	15	0.13
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	19	0.13
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	19	0.13
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	19	0.13
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	4	0.13
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	4	0.13
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	4	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG11	15	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG12	15	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG13	15	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG21	15	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG22	15	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG23	15	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG11	16	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG12	16	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG13	16	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG21	16	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG22	16	0.13
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG23	16	0.13
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	5	0.13
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	9	0.13
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	14	0.13
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	5	0.13
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	5	0.13
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	5	0.13
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	5	0.13
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	5	0.13
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	5	0.13
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	10	0.13
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	10	0.13
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	14	0.13
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	14	0.13
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	16	0.13
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	16	0.13
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	15	0.13
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	15	0.13
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	15	0.13
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	15	0.13
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	15	0.13
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	14	0.13
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	10	0.13
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	10	0.13
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	10	0.13
(1,1112)	1:47:A:ILE:HG21	1:64:A:ILE:HB	5	0.13
(1,1112)	1:47:A:ILE:HG22	1:64:A:ILE:HB	5	0.13
(1,1112)	1:47:A:ILE:HG23	1:64:A:ILE:HB	5	0.13
(1,1110)	1:47:A:ILE:HG21	1:48:A:LYS:H	8	0.13
(1,1110)	1:47:A:ILE:HG22	1:48:A:LYS:H	8	0.13
(1,1110)	1:47:A:ILE:HG23	1:48:A:LYS:H	8	0.13
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	19	0.13
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	1	0.13
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	2	0.13
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	12	0.13
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	7	0.13
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	7	0.13
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	17	0.13
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	17	0.13
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	4	0.13
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	18	0.13
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	1	0.13
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	2	0.13
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	13	0.13
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	17	0.13
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	20	0.13
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	10	0.13
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	10	0.13
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	10	0.13
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	17	0.13
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	17	0.13
(1,1019)	1:42:A:LYS:HB2	1:43:A:PRO:HA	13	0.13
(1,1019)	1:42:A:LYS:HB3	1:43:A:PRO:HA	13	0.13
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	15	0.13
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	15	0.13
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	6	0.13
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	2	0.13
(1,994)	1:40:A:ARG:H	1:66:A:ASP:HB3	9	0.13
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	13	0.13
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	13	0.13
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	5	0.13
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	5	0.13
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	5	0.13
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	5	0.13
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	5	0.13
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	10	0.13
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	10	0.13
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	10	0.13
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	10	0.13
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	10	0.13
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	10	0.13
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	14	0.13
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	14	0.13
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	14	0.13
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	14	0.13
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	14	0.13
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	14	0.13
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	16	0.13
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	16	0.13
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	16	0.13
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	16	0.13
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	16	0.13
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	16	0.13
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	2	0.13
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	2	0.13
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	2	0.13
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	2	0.13
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	2	0.13
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	2	0.13
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	18	0.13
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	18	0.13
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	18	0.13
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	5	0.13
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	7	0.13
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	12	0.13
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	10	0.13
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	1	0.13
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	4	0.13
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	15	0.13
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	16	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG11	4	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG12	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG13	4	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG21	4	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG22	4	0.13
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG23	4	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG11	4	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG12	4	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG13	4	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG21	4	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG22	4	0.13
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG23	4	0.13
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	1	0.13
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	1	0.13
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	6	0.13
(1,856)	1:34:A:GLU:HB3	1:35:A:ASN:HD21	5	0.13
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	9	0.13
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	9	0.13
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	20	0.13
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	20	0.13
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	5	0.13
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	5	0.13
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	7	0.13
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	7	0.13
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	20	0.13
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	20	0.13
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	16	0.13
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	2	0.13
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	2	0.13
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	8	0.13
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	19	0.13
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	9	0.13
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	9	0.13
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	7	0.13
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	7	0.13
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	9	0.13
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	10	0.13
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	15	0.13
(1,760)	1:29:A:GLU:HB2	1:30:A:ASP:HB2	8	0.13
(1,760)	1:29:A:GLU:HB3	1:30:A:ASP:HB2	8	0.13
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	20	0.13
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG11	18	0.13
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG12	18	0.13
(1,740)	1:28:A:PHE:HD1	1:67:A:VAL:HG13	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG11	18	0.13
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG12	18	0.13
(1,740)	1:28:A:PHE:HD2	1:67:A:VAL:HG13	18	0.13
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	13	0.13
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	13	0.13
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	13	0.13
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	4	0.13
(1,717)	1:28:A:PHE:HA	1:44:A:LYS:HG2	14	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	7	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	7	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	7	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	16	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	16	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	16	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	19	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	19	0.13
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	19	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	2	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	2	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	2	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	4	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	4	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	4	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	6	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	6	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	6	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	11	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	11	0.13
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	11	0.13
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	2	0.13
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	2	0.13
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	2	0.13
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	5	0.13
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	5	0.13
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	5	0.13
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	11	0.13
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	11	0.13
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	11	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	2	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	2	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	2	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	12	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	12	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	13	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	13	0.13
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	13	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	8	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	8	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	8	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	8	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	8	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	8	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	14	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	14	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	14	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	14	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	14	0.13
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	14	0.13
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	20	0.13
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	20	0.13
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG21	3	0.13
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG22	3	0.13
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG23	3	0.13
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD1	17	0.13
(1,659)	1:25:A:TYR:HB2	1:28:A:PHE:HD2	17	0.13
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD1	17	0.13
(1,659)	1:25:A:TYR:HB3	1:28:A:PHE:HD2	17	0.13
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	4	0.13
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	8	0.13
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	9	0.13
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	20	0.13
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	18	0.13
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	8	0.13
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	8	0.13
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	15	0.13
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	15	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD2	5	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD3	5	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD2	9	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD3	9	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD2	20	0.13
(1,605)	1:22:A:ARG:H	1:22:A:ARG:HD3	20	0.13
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	9	0.13
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	9	0.13
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	9	0.13
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	9	0.13
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	9	0.13
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	20	0.13
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	20	0.13
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	20	0.13
(1,544)	1:19:A:ILE:H	1:19:A:ILE:HB	1	0.13
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	5	0.13
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	5	0.13
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	5	0.13
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	11	0.13
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	11	0.13
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	11	0.13
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	12	0.13
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	12	0.13
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	12	0.13
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	18	0.13
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	18	0.13
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	18	0.13
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	19	0.13
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	19	0.13
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	19	0.13
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	6	0.13
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	12	0.13
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	14	0.13
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG12	1	0.13
(1,514)	1:19:A:ILE:HA	1:19:A:ILE:HG13	1	0.13
(1,510)	1:18:A:LYS:H	1:19:A:ILE:HG12	16	0.13
(1,510)	1:18:A:LYS:H	1:19:A:ILE:HG13	16	0.13
(1,508)	1:18:A:LYS:H	1:18:A:LYS:HE2	5	0.13
(1,508)	1:18:A:LYS:H	1:18:A:LYS:HE3	5	0.13
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	5	0.13
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	5	0.13
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	6	0.13
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	6	0.13
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	8	0.13
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	8	0.13
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	17	0.13
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	17	0.13
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	19	0.13
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	19	0.13
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	19	0.13
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	19	0.13
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	19	0.13
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	17	0.13
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	13	0.13
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	14	0.13
(1,449)	1:15:A:VAL:HG11	1:16:A:PRO:HG2	18	0.13
(1,449)	1:15:A:VAL:HG12	1:16:A:PRO:HG2	18	0.13
(1,449)	1:15:A:VAL:HG13	1:16:A:PRO:HG2	18	0.13
(1,449)	1:15:A:VAL:HG21	1:16:A:PRO:HG2	18	0.13
(1,449)	1:15:A:VAL:HG22	1:16:A:PRO:HG2	18	0.13
(1,449)	1:15:A:VAL:HG23	1:16:A:PRO:HG2	18	0.13
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	15	0.13
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	15	0.13
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	15	0.13
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	15	0.13
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	15	0.13
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	15	0.13
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	3	0.13
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	16	0.13
(1,420)	1:13:A:ASP:HB2	1:15:A:VAL:H	19	0.13
(1,419)	1:13:A:ASP:HB2	1:14:A:GLY:H	9	0.13
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG2	2	0.13
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG3	2	0.13
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	15	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	3	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	3	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	3	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	5	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	5	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	5	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	9	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	9	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	9	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	13	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	13	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	13	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	18	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	18	0.13
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	6	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	6	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	6	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	6	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	6	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	6	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	7	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	7	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	7	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	7	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	7	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	7	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	9	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	9	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	9	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	9	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	9	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	9	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	11	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	11	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	11	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	11	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	11	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	11	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	19	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	19	0.13
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	19	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	19	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	19	0.13
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	19	0.13
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD11	12	0.13
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD12	12	0.13
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD13	12	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	19	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	19	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	19	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	20	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	20	0.13
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	20	0.13
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	4	0.13
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	4	0.13
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	8	0.13
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	10	0.13
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	10	0.13
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	4	0.13
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	15	0.13
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	7	0.13
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	7	0.13
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	7	0.13
(1,284)	1:10:A:VAL:HG11	1:18:A:LYS:HA	17	0.13
(1,284)	1:10:A:VAL:HG12	1:18:A:LYS:HA	17	0.13
(1,284)	1:10:A:VAL:HG13	1:18:A:LYS:HA	17	0.13
(1,284)	1:10:A:VAL:HG21	1:18:A:LYS:HA	17	0.13
(1,284)	1:10:A:VAL:HG22	1:18:A:LYS:HA	17	0.13
(1,284)	1:10:A:VAL:HG23	1:18:A:LYS:HA	17	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	6	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	6	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	6	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	6	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	6	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	6	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	6	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	6	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	6	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	6	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	6	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	6	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	10	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	10	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	10	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	10	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	10	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	10	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	10	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	10	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	10	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	10	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	10	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	10	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	12	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	12	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	12	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	12	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	12	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	12	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	12	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	12	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	12	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	12	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	12	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	17	0.13
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	17	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	17	0.13
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	17	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	17	0.13
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	17	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	17	0.13
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	17	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	17	0.13
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	17	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	17	0.13
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	17	0.13
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	4	0.13
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	4	0.13
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	4	0.13
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	17	0.13
(1,246)	1:9:A:LEU:HG	1:180:A:ASN:HD21	8	0.13
(1,232)	1:9:A:LEU:HD11	1:18:A:LYS:H	7	0.13
(1,232)	1:9:A:LEU:HD12	1:18:A:LYS:H	7	0.13
(1,232)	1:9:A:LEU:HD13	1:18:A:LYS:H	7	0.13
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	1	0.13
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	1	0.13
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	1	0.13
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	1	0.13
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	1	0.13
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	1	0.13
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	1	0.13
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	1	0.13
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	1	0.13
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	1	0.13
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	1	0.13
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	1	0.13
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	19	0.13
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	19	0.13
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	19	0.13
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	19	0.13
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	19	0.13
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	19	0.13
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	19	0.13
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	19	0.13
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	19	0.13
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	19	0.13
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	19	0.13
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	10	0.13
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	10	0.13
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	10	0.13
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	10	0.13
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	10	0.13
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	10	0.13
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG21	4	0.13
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG22	4	0.13
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG23	4	0.13
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	4	0.13
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	11	0.13
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	5	0.13
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB2	20	0.13
(1,177)	1:8:A:ILE:HG21	1:167:A:LEU:HB3	20	0.13
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB2	20	0.13
(1,177)	1:8:A:ILE:HG22	1:167:A:LEU:HB3	20	0.13
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB2	20	0.13
(1,177)	1:8:A:ILE:HG23	1:167:A:LEU:HB3	20	0.13
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	2	0.13
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	2	0.13
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	2	0.13
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	5	0.13
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	5	0.13
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	5	0.13
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	9	0.13
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	9	0.13
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	9	0.13
(1,166)	1:8:A:ILE:HG21	1:10:A:VAL:H	6	0.13
(1,166)	1:8:A:ILE:HG22	1:10:A:VAL:H	6	0.13
(1,166)	1:8:A:ILE:HG23	1:10:A:VAL:H	6	0.13
(1,166)	1:8:A:ILE:HG21	1:10:A:VAL:H	17	0.13
(1,166)	1:8:A:ILE:HG22	1:10:A:VAL:H	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:8:A:ILE:HG23	1:10:A:VAL:H	17	0.13
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	7	0.13
(1,149)	1:8:A:ILE:HD11	1:175:A:VAL:HB	6	0.13
(1,149)	1:8:A:ILE:HD12	1:175:A:VAL:HB	6	0.13
(1,149)	1:8:A:ILE:HD13	1:175:A:VAL:HB	6	0.13
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	4	0.13
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	4	0.13
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	4	0.13
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	4	0.13
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	4	0.13
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	4	0.13
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	8	0.13
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	8	0.13
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	8	0.13
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	8	0.13
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	8	0.13
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	8	0.13
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	11	0.13
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	19	0.13
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	3	0.13
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	14	0.13
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	15	0.13
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	9	0.13
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	10	0.13
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	13	0.13
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	13	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	14	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	14	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	14	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	14	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	14	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	14	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	15	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	15	0.13
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	15	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	15	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	15	0.13
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	15	0.13
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	7	0.13
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	18	0.13
(1,87)	1:7:A:ARG:HA	1:7:A:ARG:HG3	18	0.13
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	14	0.13
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	19	0.13
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	19	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	8	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	8	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	8	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	8	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	8	0.13
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	8	0.13
(1,37)	1:3:A:PRO:HD2	1:89:A:THR:HA	6	0.13
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	13	0.13
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	13	0.13
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	13	0.13
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	12	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	1	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	1	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	1	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	1	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	1	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	1	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	17	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	17	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	17	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	17	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	17	0.13
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	17	0.13
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	1	0.12
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	19	0.12
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	19	0.12
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	19	0.12
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	19	0.12
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	19	0.12
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	19	0.12
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	20	0.12
(1,3204)	1:179:A:GLU:H	1:179:A:GLU:HG3	20	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	7	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	7	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	7	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	9	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	9	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	9	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	11	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	11	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	16	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	16	0.12
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	16	0.12
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	1	0.12
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	5	0.12
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	14	0.12
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	18	0.12
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	9	0.12
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	9	0.12
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	9	0.12
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	13	0.12
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	13	0.12
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	13	0.12
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	18	0.12
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	18	0.12
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	18	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	4	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	4	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	4	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	7	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	7	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	7	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	9	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	9	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	9	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	14	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	14	0.12
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	14	0.12
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	18	0.12
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	18	0.12
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	18	0.12
(1,3131)	1:175:A:VAL:HG11	1:178:A:ASN:H	12	0.12
(1,3131)	1:175:A:VAL:HG12	1:178:A:ASN:H	12	0.12
(1,3131)	1:175:A:VAL:HG13	1:178:A:ASN:H	12	0.12
(1,3131)	1:175:A:VAL:HG21	1:178:A:ASN:H	12	0.12
(1,3131)	1:175:A:VAL:HG22	1:178:A:ASN:H	12	0.12
(1,3131)	1:175:A:VAL:HG23	1:178:A:ASN:H	12	0.12
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	4	0.12
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	4	0.12
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	19	0.12
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	19	0.12
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	19	0.12
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	17	0.12
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	17	0.12
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	1	0.12
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	4	0.12
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD2	3	0.12
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD3	3	0.12
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	4	0.12
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	4	0.12
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	15	0.12
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	15	0.12
(1,3025)	1:158:A:ARG:HA	1:158:A:ARG:HG2	11	0.12
(1,3025)	1:158:A:ARG:HA	1:158:A:ARG:HG3	11	0.12
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	9	0.12
(1,3024)	1:157:A:VAL:H	1:158:A:ARG:H	17	0.12
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	13	0.12
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	13	0.12
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	13	0.12
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	13	0.12
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	13	0.12
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	13	0.12
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG11	14	0.12
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG12	14	0.12
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG13	14	0.12
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG11	14	0.12
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG12	14	0.12
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG13	14	0.12
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	11	0.12
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	15	0.12
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	16	0.12
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	20	0.12
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	20	0.12
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	20	0.12
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE1	13	0.12
(1,2974)	1:154:A:ILE:HG21	1:156:A:TYR:HE2	13	0.12
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE1	13	0.12
(1,2974)	1:154:A:ILE:HG22	1:156:A:TYR:HE2	13	0.12
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE1	13	0.12
(1,2974)	1:154:A:ILE:HG23	1:156:A:TYR:HE2	13	0.12
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	19	0.12
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	17	0.12
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	17	0.12
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	19	0.12
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	19	0.12
(1,2945)	1:152:A:LYS:HD2	1:153:A:ASN:H	9	0.12
(1,2945)	1:152:A:LYS:HD3	1:153:A:ASN:H	9	0.12
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	13	0.12
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	6	0.12
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	6	0.12
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	6	0.12
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	12	0.12
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	12	0.12
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	12	0.12
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	18	0.12
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	18	0.12
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	18	0.12
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	18	0.12
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	18	0.12
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	7	0.12
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	8	0.12
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	19	0.12
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	10	0.12
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	10	0.12
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	10	0.12
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	10	0.12
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	10	0.12
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	10	0.12
(1,2875)	1:148:A:LEU:H	1:148:A:LEU:HG	3	0.12
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	9	0.12
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	9	0.12
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	9	0.12
(1,2854)	1:148:A:LEU:HA	1:148:A:LEU:HD11	8	0.12
(1,2854)	1:148:A:LEU:HA	1:148:A:LEU:HD12	8	0.12
(1,2854)	1:148:A:LEU:HA	1:148:A:LEU:HD13	8	0.12
(1,2854)	1:148:A:LEU:HA	1:148:A:LEU:HD21	8	0.12
(1,2854)	1:148:A:LEU:HA	1:148:A:LEU:HD22	8	0.12
(1,2854)	1:148:A:LEU:HA	1:148:A:LEU:HD23	8	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	11	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	11	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	11	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	11	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	11	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD11	15	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD12	15	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD13	15	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD21	15	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD22	15	0.12
(1,2848)	1:147:A:GLN:HB2	1:148:A:LEU:HD23	15	0.12
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	7	0.12
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	7	0.12
(1,2834)	1:145:A:HIS:HB2	1:147:A:GLN:HE21	12	0.12
(1,2834)	1:145:A:HIS:HB2	1:147:A:GLN:HE22	12	0.12
(1,2834)	1:145:A:HIS:HB3	1:147:A:GLN:HE21	12	0.12
(1,2834)	1:145:A:HIS:HB3	1:147:A:GLN:HE22	12	0.12
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB2	1	0.12
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB3	1	0.12
(1,2814)	1:140:A:LEU:HA	1:141:A:GLY:H	6	0.12
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	7	0.12
(1,2800)	1:136:A:LYS:H	1:137:A:ASN:HB3	8	0.12
(1,2794)	1:136:A:LYS:HB2	1:137:A:ASN:H	3	0.12
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	8	0.12
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	8	0.12
(1,2792)	1:135:A:PRO:HD2	1:136:A:LYS:H	13	0.12
(1,2792)	1:135:A:PRO:HD3	1:136:A:LYS:H	13	0.12
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD21	18	0.12
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD22	18	0.12
(1,2765)	1:124:A:LEU:H	1:124:A:LEU:HD23	18	0.12
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG11	3	0.12
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG12	3	0.12
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG13	3	0.12
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG21	3	0.12
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG22	3	0.12
(1,2755)	1:124:A:LEU:HA	1:125:A:VAL:HG23	3	0.12
(1,2748)	1:122:A:LEU:H	1:180:A:ASN:HB2	10	0.12
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	3	0.12
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	14	0.12
(1,2747)	1:122:A:LEU:H	1:180:A:ASN:HB3	20	0.12
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB2	16	0.12
(1,2731)	1:122:A:LEU:HA	1:145:A:HIS:HB3	16	0.12
(1,2729)	1:122:A:LEU:HA	1:123:A:GLU:H	7	0.12
(1,2723)	1:121:A:GLU:H	1:122:A:LEU:H	15	0.12
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	1	0.12
(1,2721)	1:121:A:GLU:HG2	1:122:A:LEU:H	8	0.12
(1,2721)	1:121:A:GLU:HG3	1:122:A:LEU:H	8	0.12
(1,2719)	1:121:A:GLU:HB2	1:145:A:HIS:HA	14	0.12
(1,2719)	1:121:A:GLU:HB3	1:145:A:HIS:HA	14	0.12
(1,2719)	1:121:A:GLU:HB2	1:145:A:HIS:HA	17	0.12
(1,2719)	1:121:A:GLU:HB3	1:145:A:HIS:HA	17	0.12
(1,2717)	1:121:A:GLU:HB2	1:122:A:LEU:HA	7	0.12
(1,2717)	1:121:A:GLU:HB3	1:122:A:LEU:HA	7	0.12
(1,2717)	1:121:A:GLU:HB2	1:122:A:LEU:HA	12	0.12
(1,2717)	1:121:A:GLU:HB3	1:122:A:LEU:HA	12	0.12
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	17	0.12
(1,2710)	1:121:A:GLU:HA	1:121:A:GLU:HB3	9	0.12
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD11	8	0.12
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD12	8	0.12
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD13	8	0.12
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	9	0.12
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	9	0.12
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	9	0.12
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	9	0.12
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	9	0.12
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	9	0.12
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	9	0.12
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	9	0.12
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	9	0.12
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	9	0.12
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	9	0.12
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	9	0.12
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	12	0.12
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	12	0.12
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	12	0.12
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	12	0.12
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	12	0.12
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	12	0.12
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	12	0.12
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	12	0.12
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	12	0.12
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	12	0.12
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	12	0.12
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	12	0.12
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG11	8	0.12
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG12	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG13	8	0.12
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG21	8	0.12
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG22	8	0.12
(1,2655)	1:118:A:LEU:HB2	1:182:A:VAL:HG23	8	0.12
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG11	2	0.12
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG12	2	0.12
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG13	2	0.12
(1,2592)	1:116:A:LYS:HB2	1:148:A:LEU:HB2	2	0.12
(1,2592)	1:116:A:LYS:HB3	1:148:A:LEU:HB2	2	0.12
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	17	0.12
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	14	0.12
(1,2573)	1:116:A:LYS:HA	1:116:A:LYS:HD2	11	0.12
(1,2573)	1:116:A:LYS:HA	1:116:A:LYS:HD3	11	0.12
(1,2566)	1:115:A:ASP:H	1:115:A:ASP:HB3	11	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	7	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	7	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	7	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	20	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	20	0.12
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	20	0.12
(1,2553)	1:114:A:GLY:H	1:154:A:ILE:H	8	0.12
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	4	0.12
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	4	0.12
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	11	0.12
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	11	0.12
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	9	0.12
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	18	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	10	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	10	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	10	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	10	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	10	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	10	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	12	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	12	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	12	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	12	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	12	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	12	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG21	20	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG22	20	0.12
(1,2536)	1:113:A:GLU:HG2	1:154:A:ILE:HG23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG21	20	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG22	20	0.12
(1,2536)	1:113:A:GLU:HG3	1:154:A:ILE:HG23	20	0.12
(1,2509)	1:112:A:LYS:H	1:112:A:LYS:HD2	8	0.12
(1,2509)	1:112:A:LYS:H	1:112:A:LYS:HD3	8	0.12
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	5	0.12
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	5	0.12
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE2	6	0.12
(1,2494)	1:111:A:VAL:H	1:112:A:LYS:HE3	6	0.12
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	6	0.12
(1,2446)	1:107:A:ARG:HG2	1:110:A:GLU:HB3	14	0.12
(1,2446)	1:107:A:ARG:HG3	1:110:A:GLU:HB3	14	0.12
(1,2418)	1:106:A:LYS:HB3	1:110:A:GLU:HB3	8	0.12
(1,2403)	1:105:A:GLU:HA	1:105:A:GLU:HG2	20	0.12
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE2	18	0.12
(1,2394)	1:104:A:ILE:HG21	1:106:A:LYS:HE3	18	0.12
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE2	18	0.12
(1,2394)	1:104:A:ILE:HG22	1:106:A:LYS:HE3	18	0.12
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE2	18	0.12
(1,2394)	1:104:A:ILE:HG23	1:106:A:LYS:HE3	18	0.12
(1,2392)	1:104:A:ILE:HG12	1:105:A:GLU:H	9	0.12
(1,2392)	1:104:A:ILE:HG13	1:105:A:GLU:H	9	0.12
(1,2377)	1:103:A:PHE:HD1	1:118:A:LEU:HB3	3	0.12
(1,2377)	1:103:A:PHE:HD2	1:118:A:LEU:HB3	3	0.12
(1,2377)	1:103:A:PHE:HD1	1:118:A:LEU:HB3	9	0.12
(1,2377)	1:103:A:PHE:HD2	1:118:A:LEU:HB3	9	0.12
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	14	0.12
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	14	0.12
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	14	0.12
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	1	0.12
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	1	0.12
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	11	0.12
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	11	0.12
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	8	0.12
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	11	0.12
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	12	0.12
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD11	20	0.12
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD12	20	0.12
(1,2359)	1:102:A:ARG:HD2	1:104:A:ILE:HD13	20	0.12
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD11	20	0.12
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD12	20	0.12
(1,2359)	1:102:A:ARG:HD3	1:104:A:ILE:HD13	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	4	0.12
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	4	0.12
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	6	0.12
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	6	0.12
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	9	0.12
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	9	0.12
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	7	0.12
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	18	0.12
(1,2327)	1:99:A:GLU:H	1:99:A:GLU:HB2	9	0.12
(1,2327)	1:99:A:GLU:H	1:99:A:GLU:HB2	15	0.12
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	6	0.12
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	6	0.12
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	6	0.12
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	6	0.12
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	9	0.12
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	9	0.12
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	9	0.12
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	9	0.12
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	12	0.12
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	12	0.12
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	13	0.12
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	13	0.12
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	4	0.12
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	4	0.12
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	4	0.12
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	4	0.12
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	4	0.12
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	4	0.12
(1,2289)	1:98:A:TYR:HB3	1:148:A:LEU:HB2	10	0.12
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	5	0.12
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	7	0.12
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	8	0.12
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	10	0.12
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	12	0.12
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	3	0.12
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	3	0.12
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	9	0.12
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	9	0.12
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE2	14	0.12
(1,2281)	1:97:A:VAL:H	1:106:A:LYS:HE3	14	0.12
(1,2259)	1:97:A:VAL:HG11	1:99:A:GLU:HG3	2	0.12
(1,2259)	1:97:A:VAL:HG12	1:99:A:GLU:HG3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2259)	1:97:A:VAL:HG13	1:99:A:GLU:HG3	2	0.12
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB2	19	0.12
(1,2254)	1:97:A:VAL:HG11	1:115:A:ASP:HB3	19	0.12
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB2	19	0.12
(1,2254)	1:97:A:VAL:HG12	1:115:A:ASP:HB3	19	0.12
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB2	19	0.12
(1,2254)	1:97:A:VAL:HG13	1:115:A:ASP:HB3	19	0.12
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB2	19	0.12
(1,2254)	1:97:A:VAL:HG21	1:115:A:ASP:HB3	19	0.12
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB2	19	0.12
(1,2254)	1:97:A:VAL:HG22	1:115:A:ASP:HB3	19	0.12
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB2	19	0.12
(1,2254)	1:97:A:VAL:HG23	1:115:A:ASP:HB3	19	0.12
(1,2242)	1:97:A:VAL:HG11	1:104:A:ILE:HB	9	0.12
(1,2242)	1:97:A:VAL:HG12	1:104:A:ILE:HB	9	0.12
(1,2242)	1:97:A:VAL:HG13	1:104:A:ILE:HB	9	0.12
(1,2242)	1:97:A:VAL:HG21	1:104:A:ILE:HB	9	0.12
(1,2242)	1:97:A:VAL:HG22	1:104:A:ILE:HB	9	0.12
(1,2242)	1:97:A:VAL:HG23	1:104:A:ILE:HB	9	0.12
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	1	0.12
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	11	0.12
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	14	0.12
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	10	0.12
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	10	0.12
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	10	0.12
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	10	0.12
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	10	0.12
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	10	0.12
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	10	0.12
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	10	0.12
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	10	0.12
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	10	0.12
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	10	0.12
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	10	0.12
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD1	1	0.12
(1,2187)	1:96:A:LEU:HB3	1:103:A:PHE:HD2	1	0.12
(1,2162)	1:94:A:PRO:HA	1:107:A:ARG:H	1	0.12
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	1	0.12
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	1	0.12
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	1	0.12
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	8	0.12
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	8	0.12
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	1	0.12
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	1	0.12
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	1	0.12
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	6	0.12
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	6	0.12
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	6	0.12
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	7	0.12
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	7	0.12
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	7	0.12
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	6	0.12
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	6	0.12
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	6	0.12
(1,2127)	1:91:A:VAL:HG11	1:109:A:PHE:HE1	14	0.12
(1,2127)	1:91:A:VAL:HG11	1:109:A:PHE:HE2	14	0.12
(1,2127)	1:91:A:VAL:HG12	1:109:A:PHE:HE1	14	0.12
(1,2127)	1:91:A:VAL:HG12	1:109:A:PHE:HE2	14	0.12
(1,2127)	1:91:A:VAL:HG13	1:109:A:PHE:HE1	14	0.12
(1,2127)	1:91:A:VAL:HG13	1:109:A:PHE:HE2	14	0.12
(1,2127)	1:91:A:VAL:HG21	1:109:A:PHE:HE1	14	0.12
(1,2127)	1:91:A:VAL:HG21	1:109:A:PHE:HE2	14	0.12
(1,2127)	1:91:A:VAL:HG22	1:109:A:PHE:HE1	14	0.12
(1,2127)	1:91:A:VAL:HG22	1:109:A:PHE:HE2	14	0.12
(1,2127)	1:91:A:VAL:HG23	1:109:A:PHE:HE1	14	0.12
(1,2127)	1:91:A:VAL:HG23	1:109:A:PHE:HE2	14	0.12
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	16	0.12
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	16	0.12
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD11	16	0.12
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD12	16	0.12
(1,2076)	1:87:A:PHE:H	1:181:A:ILE:HD13	16	0.12
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG21	17	0.12
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG22	17	0.12
(1,2066)	1:87:A:PHE:HD1	1:183:A:THR:HG23	17	0.12
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG21	17	0.12
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG22	17	0.12
(1,2066)	1:87:A:PHE:HD2	1:183:A:THR:HG23	17	0.12
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD11	20	0.12
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD12	20	0.12
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD13	20	0.12
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	7	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD11	13	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD12	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD13	13	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD11	14	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD12	14	0.12
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD13	14	0.12
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	1	0.12
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	2	0.12
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	3	0.12
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	9	0.12
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	14	0.12
(1,2034)	1:85:A:ARG:H	1:85:A:ARG:HD3	12	0.12
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	3	0.12
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	3	0.12
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD11	14	0.12
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD12	14	0.12
(1,2020)	1:85:A:ARG:HD3	1:181:A:ILE:HD13	14	0.12
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	8	0.12
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	16	0.12
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	2	0.12
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	19	0.12
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	12	0.12
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	12	0.12
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	16	0.12
(1,1979)	1:82:A:GLU:H	1:82:A:GLU:HG3	2	0.12
(1,1972)	1:82:A:GLU:HG3	1:84:A:GLY:H	14	0.12
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	10	0.12
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	18	0.12
(1,1941)	1:81:A:LEU:HG	1:86:A:SER:HA	6	0.12
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	3	0.12
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	3	0.12
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	3	0.12
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	3	0.12
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	3	0.12
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	3	0.12
(1,1923)	1:81:A:LEU:HD11	1:85:A:ARG:HE	10	0.12
(1,1923)	1:81:A:LEU:HD12	1:85:A:ARG:HE	10	0.12
(1,1923)	1:81:A:LEU:HD13	1:85:A:ARG:HE	10	0.12
(1,1923)	1:81:A:LEU:HD21	1:85:A:ARG:HE	10	0.12
(1,1923)	1:81:A:LEU:HD22	1:85:A:ARG:HE	10	0.12
(1,1923)	1:81:A:LEU:HD23	1:85:A:ARG:HE	10	0.12
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	4	0.12
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	10	0.12
(1,1904)	1:81:A:LEU:HA	1:152:A:LYS:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	3	0.12
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	15	0.12
(1,1884)	1:80:A:GLU:H	1:86:A:SER:HA	12	0.12
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG2	12	0.12
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG3	12	0.12
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG2	12	0.12
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG3	12	0.12
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	6	0.12
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	6	0.12
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	17	0.12
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	17	0.12
(1,1873)	1:80:A:GLU:HG2	1:152:A:LYS:HB3	19	0.12
(1,1873)	1:80:A:GLU:HG3	1:152:A:LYS:HB3	19	0.12
(1,1861)	1:80:A:GLU:HB2	1:153:A:ASN:HA	2	0.12
(1,1861)	1:80:A:GLU:HB3	1:153:A:ASN:HA	2	0.12
(1,1861)	1:80:A:GLU:HB2	1:153:A:ASN:HA	6	0.12
(1,1861)	1:80:A:GLU:HB3	1:153:A:ASN:HA	6	0.12
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	13	0.12
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	13	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	5	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	7	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	11	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	14	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	15	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	16	0.12
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	18	0.12
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	4	0.12
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	4	0.12
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	19	0.12
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	19	0.12
(1,1810)	1:78:A:ARG:H	1:88:A:GLU:HG2	13	0.12
(1,1810)	1:78:A:ARG:H	1:88:A:GLU:HG3	13	0.12
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	14	0.12
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	8	0.12
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	13	0.12
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	13	0.12
(1,1776)	1:78:A:ARG:HB3	1:154:A:ILE:HA	16	0.12
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	3	0.12
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	3	0.12
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	3	0.12
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	5	0.12
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	5	0.12
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	15	0.12
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	15	0.12
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	15	0.12
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	19	0.12
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	19	0.12
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	19	0.12
(1,1716)	1:77:A:ILE:HA	1:157:A:VAL:H	8	0.12
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	1	0.12
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	13	0.12
(1,1702)	1:76:A:LEU:H	1:159:A:ALA:H	6	0.12
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	12	0.12
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	12	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	4	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	4	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	4	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	14	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	14	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	14	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	16	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	16	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	16	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	17	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	17	0.12
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	17	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	1	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	10	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	12	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	13	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	18	0.12
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	20	0.12
(1,1661)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	19	0.12
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	1	0.12
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	1	0.12
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	1	0.12
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	1	0.12
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	1	0.12
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	1	0.12
(1,1657)	1:75:A:HIS:HB2	1:156:A:TYR:HB3	6	0.12
(1,1657)	1:75:A:HIS:HB3	1:156:A:TYR:HB3	6	0.12
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	7	0.12
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG21	8	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG22	8	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG23	8	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG21	16	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG22	16	0.12
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG23	16	0.12
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	1	0.12
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	1	0.12
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	1	0.12
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	15	0.12
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	15	0.12
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	15	0.12
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	9	0.12
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	9	0.12
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	9	0.12
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	9	0.12
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	9	0.12
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	9	0.12
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB2	1	0.12
(1,1634)	1:72:A:ALA:H	1:162:A:ASP:HB3	1	0.12
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	17	0.12
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	17	0.12
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	17	0.12
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	11	0.12
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	16	0.12
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	17	0.12
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	7	0.12
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	20	0.12
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	11	0.12
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	11	0.12
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	11	0.12
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	11	0.12
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	13	0.12
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	13	0.12
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	13	0.12
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	13	0.12
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	15	0.12
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	15	0.12
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	15	0.12
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	15	0.12
(1,1557)	1:68:A:ILE:HD11	1:168:A:ASN:H	5	0.12
(1,1557)	1:68:A:ILE:HD12	1:168:A:ASN:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:68:A:ILE:HD13	1:168:A:ASN:H	5	0.12
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	13	0.12
(1,1552)	1:68:A:ILE:HA	1:168:A:ASN:H	19	0.12
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	3	0.12
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	17	0.12
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD11	16	0.12
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD12	16	0.12
(1,1546)	1:68:A:ILE:HA	1:68:A:ILE:HD13	16	0.12
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	9	0.12
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	9	0.12
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	9	0.12
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	9	0.12
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	9	0.12
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	9	0.12
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	9	0.12
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	9	0.12
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	9	0.12
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	9	0.12
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	9	0.12
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	9	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	6	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	6	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	6	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	6	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	6	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	6	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	7	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	7	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	7	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	7	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	7	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	7	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB1	14	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB2	14	0.12
(1,1508)	1:65:A:GLU:HG2	1:169:A:ALA:HB3	14	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB1	14	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB2	14	0.12
(1,1508)	1:65:A:GLU:HG3	1:169:A:ALA:HB3	14	0.12
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB2	20	0.12
(1,1498)	1:65:A:GLU:HA	1:66:A:ASP:HB3	20	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB1	11	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB3	11	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB1	19	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB2	19	0.12
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB3	19	0.12
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	5	0.12
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	5	0.12
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	5	0.12
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB2	18	0.12
(1,1454)	1:62:A:THR:HG21	1:63:A:ASP:HB3	18	0.12
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB2	18	0.12
(1,1454)	1:62:A:THR:HG22	1:63:A:ASP:HB3	18	0.12
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB2	18	0.12
(1,1454)	1:62:A:THR:HG23	1:63:A:ASP:HB3	18	0.12
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	8	0.12
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	8	0.12
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	12	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	3	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	3	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	3	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	10	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	10	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	10	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	12	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	12	0.12
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	12	0.12
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	8	0.12
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	8	0.12
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	8	0.12
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG21	10	0.12
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG22	10	0.12
(1,1440)	1:61:A:LEU:HG	1:62:A:THR:HG23	10	0.12
(1,1405)	1:59:A:VAL:H	1:59:A:VAL:HB	7	0.12
(1,1402)	1:59:A:VAL:HG11	1:60:A:VAL:HA	8	0.12
(1,1402)	1:59:A:VAL:HG12	1:60:A:VAL:HA	8	0.12
(1,1402)	1:59:A:VAL:HG13	1:60:A:VAL:HA	8	0.12
(1,1402)	1:59:A:VAL:HG21	1:60:A:VAL:HA	8	0.12
(1,1402)	1:59:A:VAL:HG22	1:60:A:VAL:HA	8	0.12
(1,1402)	1:59:A:VAL:HG23	1:60:A:VAL:HA	8	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	4	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	4	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	4	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	4	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	4	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	18	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	18	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	18	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	18	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	18	0.12
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	18	0.12
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	4	0.12
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	4	0.12
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	14	0.12
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	14	0.12
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD2	4	0.12
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD3	4	0.12
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD2	8	0.12
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD3	8	0.12
(1,1364)	1:55:A:GLU:H	1:57:A:GLY:HA2	9	0.12
(1,1346)	1:55:A:GLU:HA	1:55:A:GLU:HG2	16	0.12
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	13	0.12
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	13	0.12
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	13	0.12
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	13	0.12
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	13	0.12
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	13	0.12
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	1	0.12
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	8	0.12
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	16	0.12
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	16	0.12
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	16	0.12
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	16	0.12
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	10	0.12
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	20	0.12
(1,1280)	1:52:A:ILE:HG21	1:118:A:LEU:HB2	5	0.12
(1,1280)	1:52:A:ILE:HG22	1:118:A:LEU:HB2	5	0.12
(1,1280)	1:52:A:ILE:HG23	1:118:A:LEU:HB2	5	0.12
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	12	0.12
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	12	0.12
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	12	0.12
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	13	0.12
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	13	0.12
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	13	0.12
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	20	0.12
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	20	0.12
(1,1271)	1:52:A:ILE:HG21	1:55:A:GLU:H	3	0.12
(1,1271)	1:52:A:ILE:HG22	1:55:A:GLU:H	3	0.12
(1,1271)	1:52:A:ILE:HG23	1:55:A:GLU:H	3	0.12
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD11	8	0.12
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD12	8	0.12
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD13	8	0.12
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD21	8	0.12
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD22	8	0.12
(1,1269)	1:52:A:ILE:HG21	1:54:A:LEU:HD23	8	0.12
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD11	8	0.12
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD12	8	0.12
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD13	8	0.12
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD21	8	0.12
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD22	8	0.12
(1,1269)	1:52:A:ILE:HG22	1:54:A:LEU:HD23	8	0.12
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD11	8	0.12
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD12	8	0.12
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD13	8	0.12
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD21	8	0.12
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD22	8	0.12
(1,1269)	1:52:A:ILE:HG23	1:54:A:LEU:HD23	8	0.12
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	5	0.12
(1,1257)	1:52:A:ILE:HG13	1:53:A:ASP:H	15	0.12
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	12	0.12
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	12	0.12
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	12	0.12
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	1	0.12
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	1	0.12
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	1	0.12
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG11	11	0.12
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG12	11	0.12
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG13	11	0.12
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG21	11	0.12
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG22	11	0.12
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG23	11	0.12
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	1	0.12
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	2	0.12
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	12	0.12
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	11	0.12
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	11	0.12
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	11	0.12
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	11	0.12
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	11	0.12
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	4	0.12
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	4	0.12
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	8	0.12
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	8	0.12
(1,1143)	1:48:A:LYS:HB2	1:49:A:VAL:H	16	0.12
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	8	0.12
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	9	0.12
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	6	0.12
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	6	0.12
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	6	0.12
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	12	0.12
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	12	0.12
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	12	0.12
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	13	0.12
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	13	0.12
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	13	0.12
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	4	0.12
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	5	0.12
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	3	0.12
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	3	0.12
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD2	11	0.12
(1,1092)	1:46:A:GLU:HA	1:48:A:LYS:HD3	11	0.12
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	18	0.12
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	16	0.12
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	18	0.12
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	18	0.12
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	1	0.12
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	7	0.12
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	17	0.12
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	7	0.12
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	8	0.12
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	10	0.12
(1,1069)	1:45:A:ARG:HA	1:45:A:ARG:HD2	18	0.12
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	9	0.12
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG11	16	0.12
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG12	16	0.12
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG13	16	0.12
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG21	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG22	16	0.12
(1,1028)	1:42:A:LYS:H	1:67:A:VAL:HG23	16	0.12
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	2	0.12
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	7	0.12
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	7	0.12
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	7	0.12
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	18	0.12
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	18	0.12
(1,1022)	1:42:A:LYS:HD2	1:43:A:PRO:HD2	5	0.12
(1,1022)	1:42:A:LYS:HD3	1:43:A:PRO:HD2	5	0.12
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	11	0.12
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	12	0.12
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	18	0.12
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	20	0.12
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	11	0.12
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	11	0.12
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	11	0.12
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	11	0.12
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	11	0.12
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	11	0.12
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	13	0.12
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	13	0.12
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	13	0.12
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	13	0.12
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	13	0.12
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	13	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	9	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	9	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	9	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	9	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	9	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	9	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	15	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	15	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	15	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	15	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	15	0.12
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	15	0.12
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	6	0.12
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	6	0.12
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	6	0.12
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	7	0.12
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	7	0.12
(1,925)	1:37:A:VAL:H	1:38:A:TYR:H	14	0.12
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB1	6	0.12
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB2	6	0.12
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB3	6	0.12
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	2	0.12
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	10	0.12
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	15	0.12
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	16	0.12
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	11	0.12
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	20	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	2	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	3	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	5	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	6	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	7	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	8	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	9	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	10	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	11	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	12	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	13	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	14	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	17	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	18	0.12
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	19	0.12
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	16	0.12
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	19	0.12
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	20	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG11	13	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG12	13	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG13	13	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG21	13	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG22	13	0.12
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG23	13	0.12
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	9	0.12
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	9	0.12
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	9	0.12
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	11	0.12
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	11	0.12
(1,822)	1:32:A:ARG:HD2	1:33:A:TYR:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:32:A:ARG:HD3	1:33:A:TYR:H	15	0.12
(1,793)	1:30:A:ASP:H	1:31:A:GLU:H	4	0.12
(1,774)	1:29:A:GLU:H	1:44:A:LYS:H	3	0.12
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	20	0.12
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	20	0.12
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	12	0.12
(1,766)	1:29:A:GLU:HG2	1:44:A:LYS:HG3	6	0.12
(1,766)	1:29:A:GLU:HG3	1:44:A:LYS:HG3	6	0.12
(1,766)	1:29:A:GLU:HG2	1:44:A:LYS:HG3	15	0.12
(1,766)	1:29:A:GLU:HG3	1:44:A:LYS:HG3	15	0.12
(1,761)	1:29:A:GLU:HB2	1:30:A:ASP:H	14	0.12
(1,761)	1:29:A:GLU:HB3	1:30:A:ASP:H	14	0.12
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	10	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	7	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	7	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	7	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	10	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	10	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	10	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	14	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	14	0.12
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	14	0.12
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	11	0.12
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	12	0.12
(1,722)	1:28:A:PHE:HB3	1:40:A:ARG:HB2	17	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	3	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	3	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	3	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	20	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	20	0.12
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	20	0.12
(1,708)	1:27:A:LEU:H	1:28:A:PHE:HB2	6	0.12
(1,708)	1:27:A:LEU:H	1:28:A:PHE:HB2	18	0.12
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	1	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	1	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	1	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	1	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	7	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	7	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	7	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	9	0.12
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	9	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	4	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	4	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	4	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	6	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	6	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	6	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	12	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	12	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	12	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	13	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	13	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	13	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	15	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	15	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	15	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	17	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	17	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	17	0.12
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	18	0.12
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	18	0.12
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	18	0.12
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	6	0.12
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	6	0.12
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	6	0.12
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	20	0.12
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	20	0.12
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	20	0.12
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	2	0.12
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	7	0.12
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	8	0.12
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	11	0.12
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	13	0.12
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	20	0.12
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	13	0.12
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	14	0.12
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	15	0.12
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	20	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG21	1	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG22	1	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG23	1	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG21	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG22	5	0.12
(1,665)	1:25:A:TYR:H	1:67:A:VAL:HG23	5	0.12
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	15	0.12
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB2	14	0.12
(1,640)	1:24:A:LEU:HG	1:167:A:LEU:HB3	14	0.12
(1,639)	1:24:A:LEU:HG	1:25:A:TYR:H	1	0.12
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG11	19	0.12
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG12	19	0.12
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG13	19	0.12
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG21	19	0.12
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG22	19	0.12
(1,633)	1:24:A:LEU:HB3	1:67:A:VAL:HG23	19	0.12
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	6	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	7	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	7	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	7	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	7	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	7	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	7	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	8	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	8	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	8	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	8	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	8	0.12
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	8	0.12
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	5	0.12
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	5	0.12
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB2	18	0.12
(1,610)	1:22:A:ARG:H	1:165:A:PHE:HB3	18	0.12
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	20	0.12
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	20	0.12
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	15	0.12
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	5	0.12
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	9	0.12
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	13	0.12
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	13	0.12
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	13	0.12
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	13	0.12
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	5	0.12
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	5	0.12
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	5	0.12
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	5	0.12
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	5	0.12
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	2	0.12
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	2	0.12
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	2	0.12
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	4	0.12
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	4	0.12
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	4	0.12
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	15	0.12
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	15	0.12
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	15	0.12
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	10	0.12
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	10	0.12
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	20	0.12
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	20	0.12
(1,525)	1:19:A:ILE:HB	1:24:A:LEU:HB2	4	0.12
(1,525)	1:19:A:ILE:HB	1:24:A:LEU:HB2	12	0.12
(1,525)	1:19:A:ILE:HB	1:24:A:LEU:HB2	20	0.12
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	4	0.12
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	12	0.12
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	12	0.12
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD11	18	0.12
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD12	18	0.12
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD13	18	0.12
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD21	18	0.12
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD22	18	0.12
(1,497)	1:18:A:LYS:HA	1:124:A:LEU:HD23	18	0.12
(1,488)	1:17:A:GLN:H	1:18:A:LYS:HA	6	0.12
(1,488)	1:17:A:GLN:H	1:18:A:LYS:HA	8	0.12
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	14	0.12
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	16	0.12
(1,453)	1:15:A:VAL:H	1:16:A:PRO:HA	18	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	3	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	3	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	3	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	3	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	3	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	3	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	4	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	4	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	4	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	4	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	4	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	12	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	12	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	12	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	12	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	12	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	12	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	14	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	14	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	14	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	14	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	14	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	14	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	17	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	17	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	17	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	17	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	17	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	17	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	19	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	19	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	19	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	19	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	19	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	19	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	20	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	20	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	20	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	20	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	20	0.12
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	20	0.12
(1,427)	1:13:A:ASP:H	1:45:A:ARG:HB2	1	0.12
(1,418)	1:13:A:ASP:HB3	1:15:A:VAL:H	16	0.12
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG2	4	0.12
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG3	4	0.12
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	3	0.12
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	5	0.12
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	13	0.12
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	17	0.12
(1,350)	1:11:A:GLN:H	1:17:A:GLN:H	20	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	4	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	4	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	6	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	6	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	6	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	17	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	17	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	17	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	19	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	19	0.12
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	19	0.12
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	9	0.12
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	9	0.12
(1,329)	1:11:A:GLN:HG2	1:13:A:ASP:H	20	0.12
(1,329)	1:11:A:GLN:HG3	1:13:A:ASP:H	20	0.12
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD11	15	0.12
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD12	15	0.12
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD13	15	0.12
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	6	0.12
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	6	0.12
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	9	0.12
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	9	0.12
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	12	0.12
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	12	0.12
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	9	0.12
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	18	0.12
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	18	0.12
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	18	0.12
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG2	11	0.12
(1,282)	1:10:A:VAL:HG11	1:17:A:GLN:HG3	11	0.12
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG2	11	0.12
(1,282)	1:10:A:VAL:HG12	1:17:A:GLN:HG3	11	0.12
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG2	11	0.12
(1,282)	1:10:A:VAL:HG13	1:17:A:GLN:HG3	11	0.12
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG2	11	0.12
(1,282)	1:10:A:VAL:HG21	1:17:A:GLN:HG3	11	0.12
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG2	11	0.12
(1,282)	1:10:A:VAL:HG22	1:17:A:GLN:HG3	11	0.12
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG2	11	0.12
(1,282)	1:10:A:VAL:HG23	1:17:A:GLN:HG3	11	0.12
(1,276)	1:10:A:VAL:HB	1:49:A:VAL:HG11	20	0.12
(1,276)	1:10:A:VAL:HB	1:49:A:VAL:HG12	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:10:A:VAL:HB	1:49:A:VAL:HG13	20	0.12
(1,276)	1:10:A:VAL:HB	1:49:A:VAL:HG21	20	0.12
(1,276)	1:10:A:VAL:HB	1:49:A:VAL:HG22	20	0.12
(1,276)	1:10:A:VAL:HB	1:49:A:VAL:HG23	20	0.12
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD11	10	0.12
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD12	10	0.12
(1,256)	1:9:A:LEU:H	1:176:A:ILE:HD13	10	0.12
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	1	0.12
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	8	0.12
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	13	0.12
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	19	0.12
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD11	20	0.12
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD12	20	0.12
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD13	20	0.12
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD21	20	0.12
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD22	20	0.12
(1,250)	1:9:A:LEU:H	1:9:A:LEU:HD23	20	0.12
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	4	0.12
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	4	0.12
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	4	0.12
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	4	0.12
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	4	0.12
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	4	0.12
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	19	0.12
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	19	0.12
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	19	0.12
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	19	0.12
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	19	0.12
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	19	0.12
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	13	0.12
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	16	0.12
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	18	0.12
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	10	0.12
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	11	0.12
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	19	0.12
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	15	0.12
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	15	0.12
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	15	0.12
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	16	0.12
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	16	0.12
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	16	0.12
(1,166)	1:8:A:ILE:HG21	1:10:A:VAL:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:8:A:ILE:HG22	1:10:A:VAL:H	5	0.12
(1,166)	1:8:A:ILE:HG23	1:10:A:VAL:H	5	0.12
(1,159)	1:8:A:ILE:HG12	1:24:A:LEU:HB2	20	0.12
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	7	0.12
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	7	0.12
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	7	0.12
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	7	0.12
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	7	0.12
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	7	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	11	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	11	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	11	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	11	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	11	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	11	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	14	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	14	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	14	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	14	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	14	0.12
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	14	0.12
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	12	0.12
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	13	0.12
(1,128)	1:8:A:ILE:HA	1:8:A:ILE:HG12	14	0.12
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	2	0.12
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	7	0.12
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	10	0.12
(1,117)	1:7:A:ARG:H	1:8:A:ILE:H	20	0.12
(1,110)	1:7:A:ARG:HG2	1:20:A:THR:HA	2	0.12
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG21	8	0.12
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG22	8	0.12
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG23	8	0.12
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	19	0.12
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	19	0.12
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	19	0.12
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	19	0.12
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	19	0.12
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	19	0.12
(1,96)	1:7:A:ARG:HB2	1:8:A:ILE:H	17	0.12
(1,96)	1:7:A:ARG:HB3	1:8:A:ILE:H	17	0.12
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	17	0.12
(1,61)	1:5:A:ASP:HB2	1:20:A:THR:HB	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:5:A:ASP:HB3	1:20:A:THR:HB	8	0.12
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	17	0.12
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	17	0.12
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	7	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	6	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	6	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	6	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	6	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	6	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	6	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	19	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	19	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	19	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	19	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	19	0.12
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	19	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	1	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	1	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	1	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	2	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	2	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	2	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	11	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	11	0.12
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	11	0.12
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	5	0.12
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD11	12	0.12
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD12	12	0.12
(1,10)	1:2:A:PHE:H	1:76:A:LEU:HD13	12	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	13	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	13	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	13	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	13	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	13	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	13	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	16	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	16	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	16	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	16	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	16	0.12
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	16	0.12
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3256)	1:182:A:VAL:H	1:183:A:THR:H	18	0.11
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	2	0.11
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	2	0.11
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	2	0.11
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	2	0.11
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	2	0.11
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	2	0.11
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	9	0.11
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	15	0.11
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	17	0.11
(1,3218)	1:180:A:ASN:HB2	1:181:A:ILE:H	19	0.11
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	14	0.11
(1,3204)	1:179:A:GLU:H	1:179:A:GLU:HG3	2	0.11
(1,3203)	1:179:A:GLU:H	1:179:A:GLU:HG2	2	0.11
(1,3203)	1:179:A:GLU:H	1:179:A:GLU:HG3	2	0.11
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	2	0.11
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	2	0.11
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	2	0.11
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	15	0.11
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	15	0.11
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	15	0.11
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	12	0.11
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	17	0.11
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	20	0.11
(1,3169)	1:177:A:ILE:HG12	1:181:A:ILE:HG13	3	0.11
(1,3169)	1:177:A:ILE:HG13	1:181:A:ILE:HG13	3	0.11
(1,3161)	1:177:A:ILE:HD11	1:178:A:ASN:HA	4	0.11
(1,3161)	1:177:A:ILE:HD12	1:178:A:ASN:HA	4	0.11
(1,3161)	1:177:A:ILE:HD13	1:178:A:ASN:HA	4	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	5	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	5	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	5	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	6	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	6	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	6	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	8	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	8	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	8	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	17	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	17	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	17	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG21	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG22	18	0.11
(1,3153)	1:176:A:ILE:H	1:176:A:ILE:HG23	18	0.11
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	15	0.11
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	19	0.11
(1,3132)	1:175:A:VAL:HG11	1:176:A:ILE:HB	15	0.11
(1,3132)	1:175:A:VAL:HG12	1:176:A:ILE:HB	15	0.11
(1,3132)	1:175:A:VAL:HG13	1:176:A:ILE:HB	15	0.11
(1,3131)	1:175:A:VAL:HG11	1:178:A:ASN:H	11	0.11
(1,3131)	1:175:A:VAL:HG12	1:178:A:ASN:H	11	0.11
(1,3131)	1:175:A:VAL:HG13	1:178:A:ASN:H	11	0.11
(1,3131)	1:175:A:VAL:HG21	1:178:A:ASN:H	11	0.11
(1,3131)	1:175:A:VAL:HG22	1:178:A:ASN:H	11	0.11
(1,3131)	1:175:A:VAL:HG23	1:178:A:ASN:H	11	0.11
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	6	0.11
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	6	0.11
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	6	0.11
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG21	17	0.11
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG22	17	0.11
(1,3126)	1:175:A:VAL:HB	1:177:A:ILE:HG23	17	0.11
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD11	6	0.11
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD12	6	0.11
(1,3124)	1:175:A:VAL:HA	1:176:A:ILE:HD13	6	0.11
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD11	6	0.11
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD12	6	0.11
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD13	6	0.11
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD21	6	0.11
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD22	6	0.11
(1,3101)	1:167:A:LEU:H	1:167:A:LEU:HD23	6	0.11
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG11	10	0.11
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG12	10	0.11
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG13	10	0.11
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG21	10	0.11
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG22	10	0.11
(1,3100)	1:167:A:LEU:HG	1:175:A:VAL:HG23	10	0.11
(1,3093)	1:166:A:SER:HB2	1:173:A:HIS:H	11	0.11
(1,3093)	1:166:A:SER:HB3	1:173:A:HIS:H	11	0.11
(1,3061)	1:162:A:ASP:HB2	1:163:A:PHE:HE1	2	0.11
(1,3061)	1:162:A:ASP:HB2	1:163:A:PHE:HE2	2	0.11
(1,3061)	1:162:A:ASP:HB3	1:163:A:PHE:HE1	2	0.11
(1,3061)	1:162:A:ASP:HB3	1:163:A:PHE:HE2	2	0.11
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	8	0.11
(1,3056)	1:161:A:ASP:H	1:161:A:ASP:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG11	2	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG12	2	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG13	2	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG21	2	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG22	2	0.11
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG23	2	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG11	2	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG12	2	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG13	2	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG21	2	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG22	2	0.11
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG23	2	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG11	2	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG12	2	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG13	2	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG21	2	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG22	2	0.11
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG23	2	0.11
(1,3041)	1:159:A:ALA:HA	1:161:A:ASP:H	11	0.11
(1,3039)	1:158:A:ARG:H	1:158:A:ARG:HG2	13	0.11
(1,3039)	1:158:A:ARG:H	1:158:A:ARG:HG2	20	0.11
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD2	8	0.11
(1,3037)	1:158:A:ARG:H	1:158:A:ARG:HD3	8	0.11
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	5	0.11
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	5	0.11
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	15	0.11
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	15	0.11
(1,3031)	1:158:A:ARG:HB2	1:159:A:ALA:H	8	0.11
(1,3031)	1:158:A:ARG:HB3	1:159:A:ALA:H	8	0.11
(1,3019)	1:157:A:VAL:HB	1:158:A:ARG:H	20	0.11
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	7	0.11
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	7	0.11
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	7	0.11
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	7	0.11
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	7	0.11
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	7	0.11
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG11	4	0.11
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG12	4	0.11
(1,2995)	1:155:A:LYS:HE2	1:157:A:VAL:HG13	4	0.11
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG11	4	0.11
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG12	4	0.11
(1,2995)	1:155:A:LYS:HE3	1:157:A:VAL:HG13	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	4	0.11
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	10	0.11
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	5	0.11
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	5	0.11
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	5	0.11
(1,2975)	1:154:A:ILE:HG21	1:156:A:TYR:H	19	0.11
(1,2975)	1:154:A:ILE:HG22	1:156:A:TYR:H	19	0.11
(1,2975)	1:154:A:ILE:HG23	1:156:A:TYR:H	19	0.11
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	6	0.11
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	6	0.11
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	9	0.11
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	9	0.11
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	16	0.11
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	16	0.11
(1,2955)	1:153:A:ASN:HB2	1:154:A:ILE:H	18	0.11
(1,2955)	1:153:A:ASN:HB3	1:154:A:ILE:H	18	0.11
(1,2942)	1:152:A:LYS:HB3	1:153:A:ASN:H	1	0.11
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	3	0.11
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	3	0.11
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	3	0.11
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	10	0.11
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	10	0.11
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	10	0.11
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	13	0.11
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	13	0.11
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	13	0.11
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	20	0.11
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	20	0.11
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	20	0.11
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	4	0.11
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	4	0.11
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	4	0.11
(1,2925)	1:151:A:ILE:HG21	1:153:A:ASN:HA	20	0.11
(1,2925)	1:151:A:ILE:HG22	1:153:A:ASN:HA	20	0.11
(1,2925)	1:151:A:ILE:HG23	1:153:A:ASN:HA	20	0.11
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	5	0.11
(1,2914)	1:151:A:ILE:HA	1:152:A:LYS:HB3	9	0.11
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD11	6	0.11
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD12	6	0.11
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD13	6	0.11
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	16	0.11
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	16	0.11
(1,2851)	1:147:A:GLN:HG2	1:148:A:LEU:H	7	0.11
(1,2851)	1:147:A:GLN:HG3	1:148:A:LEU:H	7	0.11
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	9	0.11
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	9	0.11
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	12	0.11
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	12	0.11
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG2	18	0.11
(1,2836)	1:145:A:HIS:HB2	1:147:A:GLN:HG3	18	0.11
(1,2831)	1:143:A:PRO:HB2	1:144:A:GLU:H	9	0.11
(1,2831)	1:143:A:PRO:HB3	1:144:A:GLU:H	9	0.11
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB2	20	0.11
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB3	20	0.11
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	14	0.11
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	14	0.11
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	9	0.11
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	9	0.11
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	9	0.11
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	9	0.11
(1,2815)	1:140:A:LEU:HA	1:142:A:SER:H	6	0.11
(1,2794)	1:136:A:LYS:HB2	1:137:A:ASN:H	18	0.11
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD2	5	0.11
(1,2781)	1:133:A:ASP:HA	1:135:A:PRO:HD3	5	0.11
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	8	0.11
(1,2771)	1:125:A:VAL:HB	1:126:A:GLU:H	16	0.11
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	5	0.11
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	5	0.11
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	5	0.11
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	12	0.11
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	12	0.11
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	12	0.11
(1,2753)	1:124:A:LEU:HA	1:124:A:LEU:HG	11	0.11
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	13	0.11
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	13	0.11
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB2	15	0.11
(1,2724)	1:121:A:GLU:H	1:145:A:HIS:HB3	15	0.11
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	18	0.11
(1,2709)	1:120:A:SER:H	1:182:A:VAL:H	7	0.11
(1,2709)	1:120:A:SER:H	1:182:A:VAL:H	14	0.11
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD21	12	0.11
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD22	12	0.11
(1,2694)	1:119:A:VAL:H	1:148:A:LEU:HD23	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD11	7	0.11
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD12	7	0.11
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD13	7	0.11
(1,2686)	1:119:A:VAL:HG11	1:180:A:ASN:H	3	0.11
(1,2686)	1:119:A:VAL:HG12	1:180:A:ASN:H	3	0.11
(1,2686)	1:119:A:VAL:HG13	1:180:A:ASN:H	3	0.11
(1,2686)	1:119:A:VAL:HG21	1:180:A:ASN:H	3	0.11
(1,2686)	1:119:A:VAL:HG22	1:180:A:ASN:H	3	0.11
(1,2686)	1:119:A:VAL:HG23	1:180:A:ASN:H	3	0.11
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD21	14	0.11
(1,2685)	1:119:A:VAL:HG11	1:180:A:ASN:HD22	14	0.11
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD21	14	0.11
(1,2685)	1:119:A:VAL:HG12	1:180:A:ASN:HD22	14	0.11
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD21	14	0.11
(1,2685)	1:119:A:VAL:HG13	1:180:A:ASN:HD22	14	0.11
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD21	14	0.11
(1,2685)	1:119:A:VAL:HG21	1:180:A:ASN:HD22	14	0.11
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD21	14	0.11
(1,2685)	1:119:A:VAL:HG22	1:180:A:ASN:HD22	14	0.11
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD21	14	0.11
(1,2685)	1:119:A:VAL:HG23	1:180:A:ASN:HD22	14	0.11
(1,2679)	1:119:A:VAL:HB	1:180:A:ASN:HA	8	0.11
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB2	1	0.11
(1,2677)	1:119:A:VAL:HB	1:120:A:SER:HB3	1	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG21	4	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG22	4	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG23	4	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG21	11	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG22	11	0.11
(1,2672)	1:119:A:VAL:HA	1:176:A:ILE:HG23	11	0.11
(1,2670)	1:119:A:VAL:HA	1:120:A:SER:HB2	2	0.11
(1,2670)	1:119:A:VAL:HA	1:120:A:SER:HB3	2	0.11
(1,2660)	1:118:A:LEU:HD11	1:121:A:GLU:H	15	0.11
(1,2660)	1:118:A:LEU:HD12	1:121:A:GLU:H	15	0.11
(1,2660)	1:118:A:LEU:HD13	1:121:A:GLU:H	15	0.11
(1,2660)	1:118:A:LEU:HD21	1:121:A:GLU:H	15	0.11
(1,2660)	1:118:A:LEU:HD22	1:121:A:GLU:H	15	0.11
(1,2660)	1:118:A:LEU:HD23	1:121:A:GLU:H	15	0.11
(1,2632)	1:117:A:VAL:HG11	1:181:A:ILE:HA	8	0.11
(1,2632)	1:117:A:VAL:HG12	1:181:A:ILE:HA	8	0.11
(1,2632)	1:117:A:VAL:HG13	1:181:A:ILE:HA	8	0.11
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG11	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG12	4	0.11
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG13	4	0.11
(1,2600)	1:116:A:LYS:HE2	1:148:A:LEU:HG	11	0.11
(1,2600)	1:116:A:LYS:HE3	1:148:A:LEU:HG	11	0.11
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG21	9	0.11
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG22	9	0.11
(1,2590)	1:116:A:LYS:HB2	1:117:A:VAL:HG23	9	0.11
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG21	9	0.11
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG22	9	0.11
(1,2590)	1:116:A:LYS:HB3	1:117:A:VAL:HG23	9	0.11
(1,2583)	1:116:A:LYS:HA	1:150:A:GLU:H	9	0.11
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	3	0.11
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	3	0.11
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	3	0.11
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD11	9	0.11
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD12	9	0.11
(1,2556)	1:115:A:ASP:HA	1:151:A:ILE:HD13	9	0.11
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	15	0.11
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	15	0.11
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB2	16	0.11
(1,2541)	1:114:A:GLY:HA3	1:150:A:GLU:HB3	16	0.11
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	7	0.11
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	10	0.11
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	16	0.11
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	20	0.11
(1,2532)	1:113:A:GLU:HG2	1:153:A:ASN:H	3	0.11
(1,2532)	1:113:A:GLU:HG3	1:153:A:ASN:H	3	0.11
(1,2532)	1:113:A:GLU:HG2	1:153:A:ASN:H	12	0.11
(1,2532)	1:113:A:GLU:HG3	1:153:A:ASN:H	12	0.11
(1,2527)	1:113:A:GLU:HG2	1:114:A:GLY:HA3	6	0.11
(1,2527)	1:113:A:GLU:HG3	1:114:A:GLY:HA3	6	0.11
(1,2523)	1:113:A:GLU:HB2	1:114:A:GLY:HA2	9	0.11
(1,2523)	1:113:A:GLU:HB3	1:114:A:GLY:HA2	9	0.11
(1,2523)	1:113:A:GLU:HB2	1:114:A:GLY:HA2	17	0.11
(1,2523)	1:113:A:GLU:HB3	1:114:A:GLY:HA2	17	0.11
(1,2493)	1:111:A:VAL:H	1:112:A:LYS:HA	6	0.11
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	1	0.11
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	11	0.11
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	15	0.11
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD1	16	0.11
(1,2444)	1:107:A:ARG:HG2	1:109:A:PHE:HD2	16	0.11
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD1	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:107:A:ARG:HG3	1:109:A:PHE:HD2	16	0.11
(1,2419)	1:106:A:LYS:HB2	1:110:A:GLU:HB3	9	0.11
(1,2405)	1:105:A:GLU:HB2	1:106:A:LYS:H	15	0.11
(1,2405)	1:105:A:GLU:HB3	1:106:A:LYS:H	15	0.11
(1,2405)	1:105:A:GLU:HB2	1:106:A:LYS:H	17	0.11
(1,2405)	1:105:A:GLU:HB3	1:106:A:LYS:H	17	0.11
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	3	0.11
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	3	0.11
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	3	0.11
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG12	14	0.11
(1,2369)	1:102:A:ARG:H	1:104:A:ILE:HG13	14	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	3	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	4	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	9	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	10	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	13	0.11
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	16	0.11
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	7	0.11
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	7	0.11
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	12	0.11
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	12	0.11
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	12	0.11
(1,2337)	1:100:A:ASN:HB3	1:102:A:ARG:HB3	16	0.11
(1,2327)	1:99:A:GLU:H	1:99:A:GLU:HB2	2	0.11
(1,2324)	1:99:A:GLU:HG2	1:100:A:ASN:HD22	13	0.11
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG12	13	0.11
(1,2313)	1:99:A:GLU:HB2	1:104:A:ILE:HG13	13	0.11
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG12	13	0.11
(1,2313)	1:99:A:GLU:HB3	1:104:A:ILE:HG13	13	0.11
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	1	0.11
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	1	0.11
(1,2304)	1:98:A:TYR:HE1	1:148:A:LEU:HG	6	0.11
(1,2304)	1:98:A:TYR:HE2	1:148:A:LEU:HG	6	0.11
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD2	5	0.11
(1,2302)	1:98:A:TYR:HE1	1:116:A:LYS:HD3	5	0.11
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD2	5	0.11
(1,2302)	1:98:A:TYR:HE2	1:116:A:LYS:HD3	5	0.11
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	19	0.11
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	19	0.11
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	19	0.11
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	19	0.11
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	19	0.11
(1,2289)	1:98:A:TYR:HB3	1:148:A:LEU:HB2	2	0.11
(1,2277)	1:97:A:VAL:H	1:103:A:PHE:HB3	16	0.11
(1,2277)	1:97:A:VAL:H	1:103:A:PHE:HB3	18	0.11
(1,2277)	1:97:A:VAL:H	1:103:A:PHE:HB3	20	0.11
(1,2259)	1:97:A:VAL:HG11	1:99:A:GLU:HG3	18	0.11
(1,2259)	1:97:A:VAL:HG12	1:99:A:GLU:HG3	18	0.11
(1,2259)	1:97:A:VAL:HG13	1:99:A:GLU:HG3	18	0.11
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	2	0.11
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	2	0.11
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	2	0.11
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	2	0.11
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	2	0.11
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	2	0.11
(1,2252)	1:97:A:VAL:HG11	1:112:A:LYS:H	5	0.11
(1,2252)	1:97:A:VAL:HG12	1:112:A:LYS:H	5	0.11
(1,2252)	1:97:A:VAL:HG13	1:112:A:LYS:H	5	0.11
(1,2252)	1:97:A:VAL:HG21	1:112:A:LYS:H	5	0.11
(1,2252)	1:97:A:VAL:HG22	1:112:A:LYS:H	5	0.11
(1,2252)	1:97:A:VAL:HG23	1:112:A:LYS:H	5	0.11
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	2	0.11
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	5	0.11
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	3	0.11
(1,2219)	1:96:A:LEU:H	1:96:A:LEU:HG	9	0.11
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	7	0.11
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	7	0.11
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	7	0.11
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	7	0.11
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	7	0.11
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	7	0.11
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	7	0.11
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	7	0.11
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	7	0.11
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	7	0.11
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	7	0.11
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	7	0.11
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	11	0.11
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	11	0.11
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	11	0.11
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	11	0.11
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	11	0.11
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	11	0.11
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	11	0.11
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	11	0.11
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	11	0.11
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	11	0.11
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	11	0.11
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB2	12	0.11
(1,2204)	1:96:A:LEU:HD11	1:105:A:GLU:HB3	12	0.11
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB2	12	0.11
(1,2204)	1:96:A:LEU:HD12	1:105:A:GLU:HB3	12	0.11
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB2	12	0.11
(1,2204)	1:96:A:LEU:HD13	1:105:A:GLU:HB3	12	0.11
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB2	12	0.11
(1,2204)	1:96:A:LEU:HD21	1:105:A:GLU:HB3	12	0.11
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB2	12	0.11
(1,2204)	1:96:A:LEU:HD22	1:105:A:GLU:HB3	12	0.11
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB2	12	0.11
(1,2204)	1:96:A:LEU:HD23	1:105:A:GLU:HB3	12	0.11
(1,2195)	1:96:A:LEU:HB2	1:183:A:THR:H	10	0.11
(1,2167)	1:95:A:VAL:HB	1:96:A:LEU:H	6	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD1	5	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD2	5	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD1	5	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD2	5	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD1	5	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD2	5	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD1	10	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD2	10	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD1	10	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD2	10	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD1	10	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD2	10	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD1	13	0.11
(1,2144)	1:91:A:VAL:HG21	1:156:A:TYR:HD2	13	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD1	13	0.11
(1,2144)	1:91:A:VAL:HG22	1:156:A:TYR:HD2	13	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD1	13	0.11
(1,2144)	1:91:A:VAL:HG23	1:156:A:TYR:HD2	13	0.11
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	5	0.11
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	5	0.11
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	5	0.11
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	11	0.11
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	11	0.11
(1,2139)	1:91:A:VAL:HG21	1:108:A:ALA:H	5	0.11
(1,2139)	1:91:A:VAL:HG22	1:108:A:ALA:H	5	0.11
(1,2139)	1:91:A:VAL:HG23	1:108:A:ALA:H	5	0.11
(1,2132)	1:91:A:VAL:HG11	1:93:A:HIS:H	19	0.11
(1,2132)	1:91:A:VAL:HG12	1:93:A:HIS:H	19	0.11
(1,2132)	1:91:A:VAL:HG13	1:93:A:HIS:H	19	0.11
(1,2121)	1:91:A:VAL:HB	1:108:A:ALA:H	9	0.11
(1,2114)	1:90:A:THR:H	1:108:A:ALA:HB1	17	0.11
(1,2114)	1:90:A:THR:H	1:108:A:ALA:HB2	17	0.11
(1,2114)	1:90:A:THR:H	1:108:A:ALA:HB3	17	0.11
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG21	1	0.11
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG22	1	0.11
(1,2112)	1:90:A:THR:H	1:90:A:THR:HG23	1	0.11
(1,2109)	1:90:A:THR:HG21	1:164:A:VAL:HB	4	0.11
(1,2109)	1:90:A:THR:HG22	1:164:A:VAL:HB	4	0.11
(1,2109)	1:90:A:THR:HG23	1:164:A:VAL:HB	4	0.11
(1,2109)	1:90:A:THR:HG21	1:164:A:VAL:HB	17	0.11
(1,2109)	1:90:A:THR:HG22	1:164:A:VAL:HB	17	0.11
(1,2109)	1:90:A:THR:HG23	1:164:A:VAL:HB	17	0.11
(1,2108)	1:90:A:THR:HB	1:91:A:VAL:H	3	0.11
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG11	10	0.11
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG12	10	0.11
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG13	10	0.11
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG21	10	0.11
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG22	10	0.11
(1,2105)	1:90:A:THR:HB	1:91:A:VAL:HG23	10	0.11
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	14	0.11
(1,2089)	1:88:A:GLU:H	1:88:A:GLU:HG2	18	0.11
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	4	0.11
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	4	0.11
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	9	0.11
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	9	0.11
(1,2084)	1:88:A:GLU:HG2	1:89:A:THR:H	20	0.11
(1,2084)	1:88:A:GLU:HG3	1:89:A:THR:H	20	0.11
(1,2083)	1:88:A:GLU:HB2	1:89:A:THR:H	4	0.11
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	8	0.11
(1,2052)	1:87:A:PHE:HB3	1:88:A:GLU:H	14	0.11
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	6	0.11
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	7	0.11
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	16	0.11
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	5	0.11
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	5	0.11
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	18	0.11
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	18	0.11
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG2	20	0.11
(1,2024)	1:85:A:ARG:HD2	1:179:A:GLU:HG3	20	0.11
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	1	0.11
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	2	0.11
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	3	0.11
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	11	0.11
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	19	0.11
(1,1998)	1:83:A:ASP:H	1:84:A:GLY:HA2	13	0.11
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	5	0.11
(1,1992)	1:83:A:ASP:HB3	1:149:A:LEU:HG	4	0.11
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD2	3	0.11
(1,1986)	1:82:A:GLU:H	1:152:A:LYS:HD3	3	0.11
(1,1985)	1:82:A:GLU:H	1:151:A:ILE:HA	17	0.11
(1,1963)	1:82:A:GLU:HB3	1:149:A:LEU:HA	4	0.11
(1,1922)	1:81:A:LEU:HD11	1:85:A:ARG:HB2	9	0.11
(1,1922)	1:81:A:LEU:HD11	1:85:A:ARG:HB3	9	0.11
(1,1922)	1:81:A:LEU:HD12	1:85:A:ARG:HB2	9	0.11
(1,1922)	1:81:A:LEU:HD12	1:85:A:ARG:HB3	9	0.11
(1,1922)	1:81:A:LEU:HD13	1:85:A:ARG:HB2	9	0.11
(1,1922)	1:81:A:LEU:HD13	1:85:A:ARG:HB3	9	0.11
(1,1922)	1:81:A:LEU:HD21	1:85:A:ARG:HB2	9	0.11
(1,1922)	1:81:A:LEU:HD21	1:85:A:ARG:HB3	9	0.11
(1,1922)	1:81:A:LEU:HD22	1:85:A:ARG:HB2	9	0.11
(1,1922)	1:81:A:LEU:HD22	1:85:A:ARG:HB3	9	0.11
(1,1922)	1:81:A:LEU:HD23	1:85:A:ARG:HB2	9	0.11
(1,1922)	1:81:A:LEU:HD23	1:85:A:ARG:HB3	9	0.11
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	5	0.11
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	14	0.11
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	17	0.11
(1,1902)	1:81:A:LEU:HA	1:149:A:LEU:HD11	9	0.11
(1,1902)	1:81:A:LEU:HA	1:149:A:LEU:HD12	9	0.11
(1,1902)	1:81:A:LEU:HA	1:149:A:LEU:HD13	9	0.11
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	5	0.11
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	8	0.11
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	9	0.11
(1,1893)	1:80:A:GLU:H	1:154:A:ILE:HG13	14	0.11
(1,1884)	1:80:A:GLU:H	1:86:A:SER:HA	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1884)	1:80:A:GLU:H	1:86:A:SER:HA	18	0.11
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG2	6	0.11
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG3	6	0.11
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG2	6	0.11
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG3	6	0.11
(1,1871)	1:80:A:GLU:HG2	1:86:A:SER:HA	10	0.11
(1,1871)	1:80:A:GLU:HG3	1:86:A:SER:HA	10	0.11
(1,1869)	1:80:A:GLU:HG2	1:84:A:GLY:H	8	0.11
(1,1869)	1:80:A:GLU:HG3	1:84:A:GLY:H	8	0.11
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	3	0.11
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	3	0.11
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	6	0.11
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	6	0.11
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	18	0.11
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	18	0.11
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	2	0.11
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	6	0.11
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	8	0.11
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	12	0.11
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	13	0.11
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	20	0.11
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	2	0.11
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	2	0.11
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	9	0.11
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	9	0.11
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	12	0.11
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	12	0.11
(1,1813)	1:78:A:ARG:H	1:156:A:TYR:HA	9	0.11
(1,1810)	1:78:A:ARG:H	1:88:A:GLU:HG2	16	0.11
(1,1810)	1:78:A:ARG:H	1:88:A:GLU:HG3	16	0.11
(1,1809)	1:78:A:ARG:H	1:88:A:GLU:HA	7	0.11
(1,1809)	1:78:A:ARG:H	1:88:A:GLU:HA	9	0.11
(1,1807)	1:78:A:ARG:H	1:78:A:ARG:HD3	20	0.11
(1,1791)	1:78:A:ARG:HD2	1:155:A:LYS:HB2	11	0.11
(1,1790)	1:78:A:ARG:HD2	1:155:A:LYS:HB3	13	0.11
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB2	14	0.11
(1,1779)	1:78:A:ARG:HB2	1:86:A:SER:HB3	14	0.11
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	9	0.11
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	9	0.11
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	9	0.11
(1,1732)	1:77:A:ILE:HD11	1:111:A:VAL:H	14	0.11
(1,1732)	1:77:A:ILE:HD12	1:111:A:VAL:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:77:A:ILE:HD13	1:111:A:VAL:H	14	0.11
(1,1721)	1:77:A:ILE:HD11	1:91:A:VAL:HA	2	0.11
(1,1721)	1:77:A:ILE:HD12	1:91:A:VAL:HA	2	0.11
(1,1721)	1:77:A:ILE:HD13	1:91:A:VAL:HA	2	0.11
(1,1716)	1:77:A:ILE:HA	1:157:A:VAL:H	19	0.11
(1,1711)	1:77:A:ILE:HA	1:155:A:LYS:H	17	0.11
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB1	7	0.11
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB2	7	0.11
(1,1701)	1:76:A:LEU:H	1:159:A:ALA:HB3	7	0.11
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB2	14	0.11
(1,1700)	1:76:A:LEU:H	1:158:A:ARG:HB3	14	0.11
(1,1685)	1:76:A:LEU:HB2	1:160:A:ASN:H	6	0.11
(1,1685)	1:76:A:LEU:HB3	1:160:A:ASN:H	6	0.11
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	4	0.11
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	9	0.11
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	10	0.11
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	18	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	1	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	1	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	1	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	2	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	2	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	2	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	6	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	6	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	6	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	8	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	8	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	8	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	10	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	10	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	10	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	11	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	11	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	11	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	15	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	15	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	15	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	18	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	18	0.11
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	18	0.11
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG21	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG22	3	0.11
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG23	3	0.11
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG21	17	0.11
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG22	17	0.11
(1,1672)	1:75:A:HIS:H	1:90:A:THR:HG23	17	0.11
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	8	0.11
(1,1671)	1:75:A:HIS:H	1:76:A:LEU:H	11	0.11
(1,1665)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	17	0.11
(1,1660)	1:75:A:HIS:HB2	1:159:A:ALA:H	19	0.11
(1,1660)	1:75:A:HIS:HB3	1:159:A:ALA:H	19	0.11
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	10	0.11
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	10	0.11
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	10	0.11
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	10	0.11
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	10	0.11
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	10	0.11
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG21	16	0.11
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG22	16	0.11
(1,1658)	1:75:A:HIS:HB2	1:157:A:VAL:HG23	16	0.11
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG21	16	0.11
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG22	16	0.11
(1,1658)	1:75:A:HIS:HB3	1:157:A:VAL:HG23	16	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	1	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	1	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	4	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	4	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	5	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	5	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	6	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	6	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	10	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	10	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	16	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	16	0.11
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	19	0.11
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	19	0.11
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	20	0.11
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	20	0.11
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	20	0.11
(1,1645)	1:75:A:HIS:HA	1:76:A:LEU:HD11	20	0.11
(1,1645)	1:75:A:HIS:HA	1:76:A:LEU:HD12	20	0.11
(1,1645)	1:75:A:HIS:HA	1:76:A:LEU:HD13	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:75:A:HIS:HA	1:76:A:LEU:HD21	20	0.11
(1,1645)	1:75:A:HIS:HA	1:76:A:LEU:HD22	20	0.11
(1,1645)	1:75:A:HIS:HA	1:76:A:LEU:HD23	20	0.11
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	11	0.11
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	11	0.11
(1,1643)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	11	0.11
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	11	0.11
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	11	0.11
(1,1643)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	11	0.11
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG11	20	0.11
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG12	20	0.11
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG13	20	0.11
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG21	20	0.11
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG22	20	0.11
(1,1641)	1:74:A:ASP:HB2	1:91:A:VAL:HG23	20	0.11
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG11	20	0.11
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG12	20	0.11
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG13	20	0.11
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG21	20	0.11
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG22	20	0.11
(1,1641)	1:74:A:ASP:HB3	1:91:A:VAL:HG23	20	0.11
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	14	0.11
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	14	0.11
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	14	0.11
(1,1622)	1:72:A:ALA:HB1	1:161:A:ASP:H	7	0.11
(1,1622)	1:72:A:ALA:HB2	1:161:A:ASP:H	7	0.11
(1,1622)	1:72:A:ALA:HB3	1:161:A:ASP:H	7	0.11
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	15	0.11
(1,1605)	1:70:A:ALA:H	1:163:A:PHE:HB2	19	0.11
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	5	0.11
(1,1602)	1:70:A:ALA:H	1:71:A:PRO:HD3	18	0.11
(1,1589)	1:70:A:ALA:HA	1:71:A:PRO:HG2	11	0.11
(1,1589)	1:70:A:ALA:HA	1:71:A:PRO:HG3	11	0.11
(1,1584)	1:69:A:LYS:HG2	1:163:A:PHE:HB2	12	0.11
(1,1584)	1:69:A:LYS:HG2	1:163:A:PHE:HB2	14	0.11
(1,1584)	1:69:A:LYS:HG2	1:163:A:PHE:HB2	17	0.11
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	8	0.11
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	8	0.11
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	8	0.11
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	8	0.11
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE1	17	0.11
(1,1572)	1:69:A:LYS:HD2	1:163:A:PHE:HE2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE1	17	0.11
(1,1572)	1:69:A:LYS:HD3	1:163:A:PHE:HE2	17	0.11
(1,1560)	1:68:A:ILE:HG12	1:168:A:ASN:H	16	0.11
(1,1560)	1:68:A:ILE:HG13	1:168:A:ASN:H	16	0.11
(1,1557)	1:68:A:ILE:HD11	1:168:A:ASN:H	7	0.11
(1,1557)	1:68:A:ILE:HD12	1:168:A:ASN:H	7	0.11
(1,1557)	1:68:A:ILE:HD13	1:168:A:ASN:H	7	0.11
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	19	0.11
(1,1552)	1:68:A:ILE:HA	1:168:A:ASN:H	2	0.11
(1,1536)	1:67:A:VAL:HG11	1:168:A:ASN:H	14	0.11
(1,1536)	1:67:A:VAL:HG12	1:168:A:ASN:H	14	0.11
(1,1536)	1:67:A:VAL:HG13	1:168:A:ASN:H	14	0.11
(1,1536)	1:67:A:VAL:HG21	1:168:A:ASN:H	14	0.11
(1,1536)	1:67:A:VAL:HG22	1:168:A:ASN:H	14	0.11
(1,1536)	1:67:A:VAL:HG23	1:168:A:ASN:H	14	0.11
(1,1520)	1:65:A:GLU:H	1:170:A:LYS:H	13	0.11
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	3	0.11
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	3	0.11
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	9	0.11
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	9	0.11
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB2	16	0.11
(1,1514)	1:65:A:GLU:H	1:66:A:ASP:HB3	16	0.11
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB2	13	0.11
(1,1506)	1:65:A:GLU:HG2	1:168:A:ASN:HB3	13	0.11
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB2	13	0.11
(1,1506)	1:65:A:GLU:HG3	1:168:A:ASN:HB3	13	0.11
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	7	0.11
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	7	0.11
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB1	8	0.11
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB2	8	0.11
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB3	8	0.11
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB1	12	0.11
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB2	12	0.11
(1,1484)	1:64:A:ILE:HG12	1:169:A:ALA:HB3	12	0.11
(1,1482)	1:64:A:ILE:HB	1:169:A:ALA:HA	9	0.11
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG2	11	0.11
(1,1453)	1:62:A:THR:HB	1:170:A:LYS:HG3	11	0.11
(1,1451)	1:62:A:THR:HB	1:170:A:LYS:HB3	19	0.11
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	20	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	1	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	1	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	7	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	7	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	7	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	9	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	9	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	9	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	11	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	11	0.11
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	11	0.11
(1,1402)	1:59:A:VAL:HG11	1:60:A:VAL:HA	12	0.11
(1,1402)	1:59:A:VAL:HG12	1:60:A:VAL:HA	12	0.11
(1,1402)	1:59:A:VAL:HG13	1:60:A:VAL:HA	12	0.11
(1,1402)	1:59:A:VAL:HG21	1:60:A:VAL:HA	12	0.11
(1,1402)	1:59:A:VAL:HG22	1:60:A:VAL:HA	12	0.11
(1,1402)	1:59:A:VAL:HG23	1:60:A:VAL:HA	12	0.11
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE2	7	0.11
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE3	7	0.11
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE2	7	0.11
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE3	7	0.11
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE2	7	0.11
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE3	7	0.11
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE2	8	0.11
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE3	8	0.11
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE2	8	0.11
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE3	8	0.11
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE2	8	0.11
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE3	8	0.11
(1,1334)	1:54:A:LEU:HD11	1:57:A:GLY:H	1	0.11
(1,1334)	1:54:A:LEU:HD12	1:57:A:GLY:H	1	0.11
(1,1334)	1:54:A:LEU:HD13	1:57:A:GLY:H	1	0.11
(1,1334)	1:54:A:LEU:HD21	1:57:A:GLY:H	1	0.11
(1,1334)	1:54:A:LEU:HD22	1:57:A:GLY:H	1	0.11
(1,1334)	1:54:A:LEU:HD23	1:57:A:GLY:H	1	0.11
(1,1334)	1:54:A:LEU:HD11	1:57:A:GLY:H	7	0.11
(1,1334)	1:54:A:LEU:HD12	1:57:A:GLY:H	7	0.11
(1,1334)	1:54:A:LEU:HD13	1:57:A:GLY:H	7	0.11
(1,1334)	1:54:A:LEU:HD21	1:57:A:GLY:H	7	0.11
(1,1334)	1:54:A:LEU:HD22	1:57:A:GLY:H	7	0.11
(1,1334)	1:54:A:LEU:HD23	1:57:A:GLY:H	7	0.11
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	10	0.11
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	10	0.11
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	10	0.11
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	10	0.11
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	10	0.11
(1,1332)	1:54:A:LEU:HD11	1:55:A:GLU:H	11	0.11
(1,1332)	1:54:A:LEU:HD12	1:55:A:GLU:H	11	0.11
(1,1332)	1:54:A:LEU:HD13	1:55:A:GLU:H	11	0.11
(1,1332)	1:54:A:LEU:HD21	1:55:A:GLU:H	11	0.11
(1,1332)	1:54:A:LEU:HD22	1:55:A:GLU:H	11	0.11
(1,1332)	1:54:A:LEU:HD23	1:55:A:GLU:H	11	0.11
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	12	0.11
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	13	0.11
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	4	0.11
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	6	0.11
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	12	0.11
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	15	0.11
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	17	0.11
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD11	1	0.11
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD12	1	0.11
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD13	1	0.11
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD21	1	0.11
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD22	1	0.11
(1,1318)	1:54:A:LEU:HA	1:54:A:LEU:HD23	1	0.11
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	1	0.11
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	7	0.11
(1,1311)	1:53:A:ASP:H	1:56:A:THR:H	8	0.11
(1,1311)	1:53:A:ASP:H	1:56:A:THR:H	15	0.11
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	14	0.11
(1,1291)	1:53:A:ASP:HB2	1:54:A:LEU:H	8	0.11
(1,1291)	1:53:A:ASP:HB3	1:54:A:LEU:H	8	0.11
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	2	0.11
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	5	0.11
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	8	0.11
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB2	4	0.11
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB3	4	0.11
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB2	4	0.11
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB3	4	0.11
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB2	4	0.11
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB3	4	0.11
(1,1272)	1:52:A:ILE:HG21	1:56:A:THR:H	16	0.11
(1,1272)	1:52:A:ILE:HG22	1:56:A:THR:H	16	0.11
(1,1272)	1:52:A:ILE:HG23	1:56:A:THR:H	16	0.11
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	13	0.11
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	13	0.11
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	13	0.11
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	16	0.11
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	16	0.11
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	16	0.11
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	18	0.11
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	18	0.11
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	18	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	6	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	6	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	6	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	12	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	12	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	12	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD11	15	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD12	15	0.11
(1,1235)	1:51:A:SER:H	1:61:A:LEU:HD13	15	0.11
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG11	8	0.11
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG12	8	0.11
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG13	8	0.11
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG21	8	0.11
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG22	8	0.11
(1,1232)	1:51:A:SER:H	1:59:A:VAL:HG23	8	0.11
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	15	0.11
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	15	0.11
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	15	0.11
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	15	0.11
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	15	0.11
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	15	0.11
(1,1183)	1:49:A:VAL:HG11	1:61:A:LEU:HA	1	0.11
(1,1183)	1:49:A:VAL:HG12	1:61:A:LEU:HA	1	0.11
(1,1183)	1:49:A:VAL:HG13	1:61:A:LEU:HA	1	0.11
(1,1183)	1:49:A:VAL:HG21	1:61:A:LEU:HA	1	0.11
(1,1183)	1:49:A:VAL:HG22	1:61:A:LEU:HA	1	0.11
(1,1183)	1:49:A:VAL:HG23	1:61:A:LEU:HA	1	0.11
(1,1181)	1:49:A:VAL:HG11	1:50:A:TYR:H	5	0.11
(1,1181)	1:49:A:VAL:HG12	1:50:A:TYR:H	5	0.11
(1,1181)	1:49:A:VAL:HG13	1:50:A:TYR:H	5	0.11
(1,1181)	1:49:A:VAL:HG21	1:50:A:TYR:H	5	0.11
(1,1181)	1:49:A:VAL:HG22	1:50:A:TYR:H	5	0.11
(1,1181)	1:49:A:VAL:HG23	1:50:A:TYR:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:49:A:VAL:HB	1:175:A:VAL:HG11	3	0.11
(1,1179)	1:49:A:VAL:HB	1:175:A:VAL:HG12	3	0.11
(1,1179)	1:49:A:VAL:HB	1:175:A:VAL:HG13	3	0.11
(1,1179)	1:49:A:VAL:HB	1:175:A:VAL:HG21	3	0.11
(1,1179)	1:49:A:VAL:HB	1:175:A:VAL:HG22	3	0.11
(1,1179)	1:49:A:VAL:HB	1:175:A:VAL:HG23	3	0.11
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG21	16	0.11
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG22	16	0.11
(1,1178)	1:49:A:VAL:HB	1:62:A:THR:HG23	16	0.11
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	6	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	2	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	2	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	6	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	6	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	12	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	12	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	13	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	13	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	15	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	15	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	17	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	17	0.11
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	20	0.11
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	20	0.11
(1,1151)	1:48:A:LYS:HD2	1:61:A:LEU:HG	16	0.11
(1,1151)	1:48:A:LYS:HD3	1:61:A:LEU:HG	16	0.11
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	9	0.11
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	9	0.11
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	9	0.11
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	9	0.11
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	9	0.11
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	9	0.11
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD11	11	0.11
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD12	11	0.11
(1,1149)	1:48:A:LYS:HD2	1:61:A:LEU:HD13	11	0.11
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD11	11	0.11
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD12	11	0.11
(1,1149)	1:48:A:LYS:HD3	1:61:A:LEU:HD13	11	0.11
(1,1120)	1:47:A:ILE:H	1:48:A:LYS:H	8	0.11
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	3	0.11
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	17	0.11
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	3	0.11
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	3	0.11
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	9	0.11
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	9	0.11
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	9	0.11
(1,1105)	1:47:A:ILE:HB	1:48:A:LYS:HA	16	0.11
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	1	0.11
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	1	0.11
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	11	0.11
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	11	0.11
(1,1093)	1:46:A:GLU:HG2	1:47:A:ILE:HA	18	0.11
(1,1093)	1:46:A:GLU:HG3	1:47:A:ILE:HA	18	0.11
(1,1089)	1:46:A:GLU:HA	1:47:A:ILE:HA	5	0.11
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	13	0.11
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	15	0.11
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	4	0.11
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	8	0.11
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	3	0.11
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	12	0.11
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	13	0.11
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	19	0.11
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG21	5	0.11
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG22	5	0.11
(1,1043)	1:43:A:PRO:HD3	1:47:A:ILE:HG23	5	0.11
(1,1037)	1:43:A:PRO:HB2	1:44:A:LYS:HG3	17	0.11
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	9	0.11
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	19	0.11
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	2	0.11
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	2	0.11
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	8	0.11
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	8	0.11
(1,1020)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	1	0.11
(1,1020)	1:42:A:LYS:HB3	1:43:A:PRO:HD3	1	0.11
(1,1020)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	6	0.11
(1,1020)	1:42:A:LYS:HB3	1:43:A:PRO:HD3	6	0.11
(1,1020)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	18	0.11
(1,1020)	1:42:A:LYS:HB3	1:43:A:PRO:HD3	18	0.11
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	1	0.11
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	1	0.11
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	2	0.11
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	2	0.11
(1,996)	1:40:A:ARG:H	1:67:A:VAL:HA	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	2	0.11
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	2	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	4	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	4	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	4	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	15	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	15	0.11
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	15	0.11
(1,932)	1:38:A:TYR:HB3	1:40:A:ARG:HE	4	0.11
(1,912)	1:37:A:VAL:HB	1:71:A:PRO:HD2	18	0.11
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB1	11	0.11
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB2	11	0.11
(1,907)	1:37:A:VAL:HA	1:70:A:ALA:HB3	11	0.11
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	9	0.11
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	6	0.11
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	7	0.11
(1,895)	1:36:A:MET:HB2	1:36:A:MET:HG2	20	0.11
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	10	0.11
(1,874)	1:35:A:ASN:HA	1:36:A:MET:HG2	13	0.11
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	1	0.11
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	2	0.11
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	11	0.11
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	13	0.11
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	20	0.11
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	5	0.11
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	13	0.11
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	14	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG11	1	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG12	1	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG13	1	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG21	1	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG22	1	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG23	1	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG11	5	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG12	5	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG13	5	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG21	5	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG22	5	0.11
(1,860)	1:34:A:GLU:HB3	1:37:A:VAL:HG23	5	0.11
(1,846)	1:33:A:TYR:HD1	1:37:A:VAL:H	18	0.11
(1,846)	1:33:A:TYR:HD2	1:37:A:VAL:H	18	0.11
(1,841)	1:33:A:TYR:HB2	1:34:A:GLU:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:33:A:TYR:HB3	1:34:A:GLU:H	11	0.11
(1,836)	1:32:A:ARG:H	1:41:A:LYS:H	19	0.11
(1,831)	1:32:A:ARG:H	1:32:A:ARG:HD2	19	0.11
(1,831)	1:32:A:ARG:H	1:32:A:ARG:HD3	19	0.11
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	2	0.11
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	2	0.11
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	14	0.11
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	14	0.11
(1,821)	1:32:A:ARG:HB2	1:33:A:TYR:H	12	0.11
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD2	19	0.11
(1,813)	1:32:A:ARG:HA	1:32:A:ARG:HD3	19	0.11
(1,791)	1:30:A:ASP:H	1:30:A:ASP:HB3	14	0.11
(1,781)	1:30:A:ASP:HB3	1:41:A:LYS:HB2	3	0.11
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD2	11	0.11
(1,777)	1:30:A:ASP:HA	1:41:A:LYS:HD3	11	0.11
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	18	0.11
(1,758)	1:29:A:GLU:HA	1:44:A:LYS:HD2	3	0.11
(1,758)	1:29:A:GLU:HA	1:44:A:LYS:HD3	3	0.11
(1,758)	1:29:A:GLU:HA	1:44:A:LYS:HD2	9	0.11
(1,758)	1:29:A:GLU:HA	1:44:A:LYS:HD3	9	0.11
(1,756)	1:29:A:GLU:HA	1:40:A:ARG:HE	5	0.11
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG11	1	0.11
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG12	1	0.11
(1,727)	1:28:A:PHE:HB3	1:67:A:VAL:HG13	1	0.11
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	11	0.11
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	11	0.11
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	11	0.11
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	18	0.11
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	18	0.11
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	18	0.11
(1,708)	1:27:A:LEU:H	1:28:A:PHE:HB2	19	0.11
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	5	0.11
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	8	0.11
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	15	0.11
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	18	0.11
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	19	0.11
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD11	8	0.11
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD12	8	0.11
(1,704)	1:27:A:LEU:H	1:27:A:LEU:HD13	8	0.11
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	1	0.11
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	1	0.11
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	7	0.11
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	7	0.11
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	7	0.11
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	8	0.11
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	8	0.11
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	8	0.11
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	9	0.11
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	9	0.11
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	9	0.11
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	10	0.11
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	10	0.11
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	10	0.11
(1,699)	1:27:A:LEU:HD21	1:28:A:PHE:H	16	0.11
(1,699)	1:27:A:LEU:HD22	1:28:A:PHE:H	16	0.11
(1,699)	1:27:A:LEU:HD23	1:28:A:PHE:H	16	0.11
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG21	5	0.11
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG22	5	0.11
(1,680)	1:26:A:GLU:H	1:67:A:VAL:HG23	5	0.11
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG11	17	0.11
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG12	17	0.11
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG13	17	0.11
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG21	17	0.11
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG22	17	0.11
(1,678)	1:26:A:GLU:H	1:67:A:VAL:HG23	17	0.11
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	6	0.11
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	1	0.11
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	4	0.11
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	5	0.11
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	7	0.11
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	9	0.11
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	16	0.11
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	1	0.11
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	10	0.11
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	11	0.11
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	14	0.11
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	3	0.11
(1,628)	1:24:A:LEU:HA	1:27:A:LEU:H	12	0.11
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	18	0.11
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	18	0.11
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	18	0.11
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	18	0.11
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	18	0.11
(1,599)	1:22:A:ARG:HB2	1:23:A:GLU:HA	6	0.11
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	2	0.11
(1,573)	1:21:A:LEU:HB3	1:22:A:ARG:HA	12	0.11
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	6	0.11
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	6	0.11
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	6	0.11
(1,560)	1:20:A:THR:HG21	1:22:A:ARG:HD2	20	0.11
(1,560)	1:20:A:THR:HG22	1:22:A:ARG:HD2	20	0.11
(1,560)	1:20:A:THR:HG23	1:22:A:ARG:HD2	20	0.11
(1,557)	1:20:A:THR:HG21	1:21:A:LEU:H	12	0.11
(1,557)	1:20:A:THR:HG22	1:21:A:LEU:H	12	0.11
(1,557)	1:20:A:THR:HG23	1:21:A:LEU:H	12	0.11
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	9	0.11
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	9	0.11
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	9	0.11
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	20	0.11
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	20	0.11
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	20	0.11
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	12	0.11
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	12	0.11
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	16	0.11
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	16	0.11
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG2	5	0.11
(1,527)	1:19:A:ILE:HD11	1:23:A:GLU:HG3	5	0.11
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG2	5	0.11
(1,527)	1:19:A:ILE:HD12	1:23:A:GLU:HG3	5	0.11
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG2	5	0.11
(1,527)	1:19:A:ILE:HD13	1:23:A:GLU:HG3	5	0.11
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	18	0.11
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	19	0.11
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	19	0.11
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	19	0.11
(1,505)	1:18:A:LYS:HG2	1:19:A:ILE:H	20	0.11
(1,505)	1:18:A:LYS:HG3	1:19:A:ILE:H	20	0.11
(1,488)	1:17:A:GLN:H	1:18:A:LYS:HA	4	0.11
(1,488)	1:17:A:GLN:H	1:18:A:LYS:HA	14	0.11
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	7	0.11
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	7	0.11
(1,454)	1:15:A:VAL:H	1:16:A:PRO:HD3	6	0.11
(1,453)	1:15:A:VAL:H	1:16:A:PRO:HA	2	0.11
(1,453)	1:15:A:VAL:H	1:16:A:PRO:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:15:A:VAL:H	1:16:A:PRO:HA	11	0.11
(1,449)	1:15:A:VAL:HG11	1:16:A:PRO:HG2	5	0.11
(1,449)	1:15:A:VAL:HG12	1:16:A:PRO:HG2	5	0.11
(1,449)	1:15:A:VAL:HG13	1:16:A:PRO:HG2	5	0.11
(1,449)	1:15:A:VAL:HG21	1:16:A:PRO:HG2	5	0.11
(1,449)	1:15:A:VAL:HG22	1:16:A:PRO:HG2	5	0.11
(1,449)	1:15:A:VAL:HG23	1:16:A:PRO:HG2	5	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	7	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	7	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	7	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	7	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	7	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	7	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	8	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	8	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	8	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	8	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	8	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	8	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	11	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	11	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	11	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	11	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	11	0.11
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	11	0.11
(1,422)	1:13:A:ASP:H	1:13:A:ASP:HB3	1	0.11
(1,420)	1:13:A:ASP:HB2	1:15:A:VAL:H	9	0.11
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	19	0.11
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	20	0.11
(1,397)	1:12:A:ILE:HG21	1:46:A:GLU:H	2	0.11
(1,397)	1:12:A:ILE:HG22	1:46:A:GLU:H	2	0.11
(1,397)	1:12:A:ILE:HG23	1:46:A:GLU:H	2	0.11
(1,397)	1:12:A:ILE:HG21	1:46:A:GLU:H	13	0.11
(1,397)	1:12:A:ILE:HG22	1:46:A:GLU:H	13	0.11
(1,397)	1:12:A:ILE:HG23	1:46:A:GLU:H	13	0.11
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	4	0.11
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	5	0.11
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	2	0.11
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	2	0.11
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	2	0.11
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	2	0.11
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	2	0.11
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD21	4	0.11
(1,370)	1:12:A:ILE:HB	1:134:A:ASN:HD22	4	0.11
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	2	0.11
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	2	0.11
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	2	0.11
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	16	0.11
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	16	0.11
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	16	0.11
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	3	0.11
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	3	0.11
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	3	0.11
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	3	0.11
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	3	0.11
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	3	0.11
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD21	18	0.11
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD22	18	0.11
(1,340)	1:11:A:GLN:HG2	1:61:A:LEU:HD23	18	0.11
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	18	0.11
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	18	0.11
(1,340)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	18	0.11
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	3	0.11
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	3	0.11
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	3	0.11
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	15	0.11
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	15	0.11
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	15	0.11
(1,308)	1:11:A:GLN:HA	1:16:A:PRO:HB2	3	0.11
(1,305)	1:11:A:GLN:HA	1:15:A:VAL:H	1	0.11
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	2	0.11
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	2	0.11
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	2	0.11
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	12	0.11
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	12	0.11
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	12	0.11
(1,284)	1:10:A:VAL:HG11	1:18:A:LYS:HA	8	0.11
(1,284)	1:10:A:VAL:HG12	1:18:A:LYS:HA	8	0.11
(1,284)	1:10:A:VAL:HG13	1:18:A:LYS:HA	8	0.11
(1,284)	1:10:A:VAL:HG21	1:18:A:LYS:HA	8	0.11
(1,284)	1:10:A:VAL:HG22	1:18:A:LYS:HA	8	0.11
(1,284)	1:10:A:VAL:HG23	1:18:A:LYS:HA	8	0.11
(1,284)	1:10:A:VAL:HG11	1:18:A:LYS:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:10:A:VAL:HG12	1:18:A:LYS:HA	14	0.11
(1,284)	1:10:A:VAL:HG13	1:18:A:LYS:HA	14	0.11
(1,284)	1:10:A:VAL:HG21	1:18:A:LYS:HA	14	0.11
(1,284)	1:10:A:VAL:HG22	1:18:A:LYS:HA	14	0.11
(1,284)	1:10:A:VAL:HG23	1:18:A:LYS:HA	14	0.11
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	20	0.11
(1,252)	1:9:A:LEU:H	1:9:A:LEU:HD21	7	0.11
(1,252)	1:9:A:LEU:H	1:9:A:LEU:HD22	7	0.11
(1,252)	1:9:A:LEU:H	1:9:A:LEU:HD23	7	0.11
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD21	2	0.11
(1,226)	1:9:A:LEU:HD11	1:180:A:ASN:HD22	2	0.11
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD21	2	0.11
(1,226)	1:9:A:LEU:HD12	1:180:A:ASN:HD22	2	0.11
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD21	2	0.11
(1,226)	1:9:A:LEU:HD13	1:180:A:ASN:HD22	2	0.11
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD21	2	0.11
(1,226)	1:9:A:LEU:HD21	1:180:A:ASN:HD22	2	0.11
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD21	2	0.11
(1,226)	1:9:A:LEU:HD22	1:180:A:ASN:HD22	2	0.11
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD21	2	0.11
(1,226)	1:9:A:LEU:HD23	1:180:A:ASN:HD22	2	0.11
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	5	0.11
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	6	0.11
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	6	0.11
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	14	0.11
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	17	0.11
(1,170)	1:8:A:ILE:HG21	1:19:A:ILE:H	7	0.11
(1,170)	1:8:A:ILE:HG22	1:19:A:ILE:H	7	0.11
(1,170)	1:8:A:ILE:HG23	1:19:A:ILE:H	7	0.11
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	4	0.11
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	4	0.11
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	4	0.11
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	13	0.11
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	13	0.11
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	13	0.11
(1,168)	1:8:A:ILE:HG21	1:19:A:ILE:HB	18	0.11
(1,168)	1:8:A:ILE:HG22	1:19:A:ILE:HB	18	0.11
(1,168)	1:8:A:ILE:HG23	1:19:A:ILE:HB	18	0.11
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	15	0.11
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	15	0.11
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	15	0.11
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	15	0.11
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	15	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	4	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	4	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	4	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	4	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	4	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	4	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD11	17	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD12	17	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD13	17	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD21	17	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD22	17	0.11
(1,139)	1:8:A:ILE:HB	1:24:A:LEU:HD23	17	0.11
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	2	0.11
(1,130)	1:8:A:ILE:HA	1:9:A:LEU:HB2	4	0.11
(1,120)	1:7:A:ARG:H	1:177:A:ILE:HA	11	0.11
(1,120)	1:7:A:ARG:H	1:177:A:ILE:HA	14	0.11
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	14	0.11
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	14	0.11
(1,107)	1:7:A:ARG:HG2	1:178:A:ASN:HA	12	0.11
(1,107)	1:7:A:ARG:HG3	1:178:A:ASN:HA	12	0.11
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	8	0.11
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	13	0.11
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	14	0.11
(1,100)	1:7:A:ARG:HB3	1:178:A:ASN:HA	16	0.11
(1,71)	1:6:A:THR:HB	1:177:A:ILE:HB	4	0.11
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	8	0.11
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	8	0.11
(1,59)	1:5:A:ASP:HB2	1:6:A:THR:HB	14	0.11
(1,59)	1:5:A:ASP:HB3	1:6:A:THR:HB	14	0.11
(1,55)	1:4:A:GLY:H	1:22:A:ARG:HB3	16	0.11
(1,47)	1:4:A:GLY:HA3	1:165:A:PHE:H	15	0.11
(1,41)	1:3:A:PRO:HG2	1:88:A:GLU:HG2	9	0.11
(1,41)	1:3:A:PRO:HG2	1:88:A:GLU:HG3	9	0.11
(1,41)	1:3:A:PRO:HG3	1:88:A:GLU:HG2	9	0.11
(1,41)	1:3:A:PRO:HG3	1:88:A:GLU:HG3	9	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	1	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	1	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	1	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	1	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	1	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	10	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	10	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	10	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	10	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	10	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	10	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG11	12	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG12	12	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG13	12	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG21	12	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG22	12	0.11
(1,38)	1:3:A:PRO:HD2	1:164:A:VAL:HG23	12	0.11
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	10	0.11
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	10	0.11
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	10	0.11
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB2	15	0.11
(1,34)	1:3:A:PRO:HD2	1:5:A:ASP:HB3	15	0.11
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG21	8	0.11
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG22	8	0.11
(1,19)	1:3:A:PRO:HA	1:164:A:VAL:HG23	8	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	4	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	4	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	4	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	4	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	4	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	4	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	5	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	5	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	5	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	5	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	5	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	5	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD11	11	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD12	11	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD13	11	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD21	11	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD22	11	0.11
(1,9)	1:2:A:PHE:H	1:76:A:LEU:HD23	11	0.11
(1,3251)	1:182:A:VAL:HG11	1:184:A:HIS:H	11	0.1
(1,3251)	1:182:A:VAL:HG12	1:184:A:HIS:H	11	0.1
(1,3251)	1:182:A:VAL:HG13	1:184:A:HIS:H	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3251)	1:182:A:VAL:HG21	1:184:A:HIS:H	11	0.1
(1,3251)	1:182:A:VAL:HG22	1:184:A:HIS:H	11	0.1
(1,3251)	1:182:A:VAL:HG23	1:184:A:HIS:H	11	0.1
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD11	13	0.1
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD12	13	0.1
(1,3239)	1:181:A:ILE:H	1:181:A:ILE:HD13	13	0.1
(1,3231)	1:181:A:ILE:HG12	1:182:A:VAL:H	3	0.1
(1,3210)	1:180:A:ASN:HA	1:181:A:ILE:HB	6	0.1
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD11	14	0.1
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD12	14	0.1
(1,3196)	1:178:A:ASN:H	1:181:A:ILE:HD13	14	0.1
(1,3190)	1:178:A:ASN:HB2	1:179:A:GLU:H	4	0.1
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	11	0.1
(1,3139)	1:176:A:ILE:HA	1:181:A:ILE:H	13	0.1
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG21	7	0.1
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG22	7	0.1
(1,3074)	1:163:A:PHE:H	1:164:A:VAL:HG23	7	0.1
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	18	0.1
(1,3058)	1:162:A:ASP:HA	1:163:A:PHE:HB2	19	0.1
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG11	3	0.1
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG12	3	0.1
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG13	3	0.1
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG21	3	0.1
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG22	3	0.1
(1,3045)	1:159:A:ALA:HB1	1:164:A:VAL:HG23	3	0.1
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG11	3	0.1
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG12	3	0.1
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG13	3	0.1
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG21	3	0.1
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG22	3	0.1
(1,3045)	1:159:A:ALA:HB2	1:164:A:VAL:HG23	3	0.1
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG11	3	0.1
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG12	3	0.1
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG13	3	0.1
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG21	3	0.1
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG22	3	0.1
(1,3045)	1:159:A:ALA:HB3	1:164:A:VAL:HG23	3	0.1
(1,3039)	1:158:A:ARG:H	1:158:A:ARG:HG2	8	0.1
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	8	0.1
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	8	0.1
(1,3032)	1:158:A:ARG:HD2	1:159:A:ALA:H	18	0.1
(1,3032)	1:158:A:ARG:HD3	1:159:A:ALA:H	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	2	0.1
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	2	0.1
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	2	0.1
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	2	0.1
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	2	0.1
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	2	0.1
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG21	20	0.1
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG22	20	0.1
(1,2996)	1:155:A:LYS:HE2	1:157:A:VAL:HG23	20	0.1
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG21	20	0.1
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG22	20	0.1
(1,2996)	1:155:A:LYS:HE3	1:157:A:VAL:HG23	20	0.1
(1,2992)	1:155:A:LYS:HD3	1:157:A:VAL:HA	17	0.1
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG2	18	0.1
(1,2963)	1:154:A:ILE:HA	1:155:A:LYS:HG3	18	0.1
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	1	0.1
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	1	0.1
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	1	0.1
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	7	0.1
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	7	0.1
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	7	0.1
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	14	0.1
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	14	0.1
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	14	0.1
(1,2928)	1:151:A:ILE:HG21	1:154:A:ILE:H	19	0.1
(1,2928)	1:151:A:ILE:HG22	1:154:A:ILE:H	19	0.1
(1,2928)	1:151:A:ILE:HG23	1:154:A:ILE:H	19	0.1
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG2	3	0.1
(1,2915)	1:151:A:ILE:HA	1:152:A:LYS:HG3	3	0.1
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB2	9	0.1
(1,2886)	1:149:A:LEU:HD11	1:150:A:GLU:HB3	9	0.1
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB2	9	0.1
(1,2886)	1:149:A:LEU:HD12	1:150:A:GLU:HB3	9	0.1
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB2	9	0.1
(1,2886)	1:149:A:LEU:HD13	1:150:A:GLU:HB3	9	0.1
(1,2875)	1:148:A:LEU:H	1:148:A:LEU:HG	11	0.1
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD11	4	0.1
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD12	4	0.1
(1,2873)	1:148:A:LEU:H	1:148:A:LEU:HD13	4	0.1
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD21	19	0.1
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD22	19	0.1
(1,2859)	1:148:A:LEU:HA	1:149:A:LEU:HD23	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2858)	1:148:A:LEU:HA	1:149:A:LEU:HB3	14	0.1
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG2	11	0.1
(1,2837)	1:146:A:ASP:HA	1:147:A:GLN:HG3	11	0.1
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB2	16	0.1
(1,2827)	1:140:A:LEU:H	1:140:A:LEU:HB3	16	0.1
(1,2820)	1:140:A:LEU:HB2	1:142:A:SER:H	5	0.1
(1,2820)	1:140:A:LEU:HB3	1:142:A:SER:H	5	0.1
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA2	8	0.1
(1,2818)	1:140:A:LEU:HB2	1:141:A:GLY:HA3	8	0.1
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA2	8	0.1
(1,2818)	1:140:A:LEU:HB3	1:141:A:GLY:HA3	8	0.1
(1,2789)	1:134:A:ASN:H	1:135:A:PRO:HG2	13	0.1
(1,2789)	1:134:A:ASN:H	1:135:A:PRO:HG3	13	0.1
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD11	19	0.1
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD12	19	0.1
(1,2764)	1:124:A:LEU:H	1:124:A:LEU:HD13	19	0.1
(1,2750)	1:122:A:LEU:H	1:180:A:ASN:HD21	16	0.1
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD21	11	0.1
(1,2749)	1:122:A:LEU:H	1:180:A:ASN:HD22	11	0.1
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB2	12	0.1
(1,2746)	1:122:A:LEU:H	1:122:A:LEU:HB3	12	0.1
(1,2733)	1:122:A:LEU:HA	1:145:A:HIS:HB2	10	0.1
(1,2723)	1:121:A:GLU:H	1:122:A:LEU:H	3	0.1
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	1	0.1
(1,2711)	1:121:A:GLU:HA	1:121:A:GLU:HB2	19	0.1
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD11	5	0.1
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD12	5	0.1
(1,2693)	1:119:A:VAL:H	1:148:A:LEU:HD13	5	0.1
(1,2688)	1:119:A:VAL:HG11	1:181:A:ILE:HG13	11	0.1
(1,2688)	1:119:A:VAL:HG12	1:181:A:ILE:HG13	11	0.1
(1,2688)	1:119:A:VAL:HG13	1:181:A:ILE:HG13	11	0.1
(1,2688)	1:119:A:VAL:HG21	1:181:A:ILE:HG13	11	0.1
(1,2688)	1:119:A:VAL:HG22	1:181:A:ILE:HG13	11	0.1
(1,2688)	1:119:A:VAL:HG23	1:181:A:ILE:HG13	11	0.1
(1,2680)	1:119:A:VAL:HG11	1:120:A:SER:H	1	0.1
(1,2680)	1:119:A:VAL:HG12	1:120:A:SER:H	1	0.1
(1,2680)	1:119:A:VAL:HG13	1:120:A:SER:H	1	0.1
(1,2680)	1:119:A:VAL:HG21	1:120:A:SER:H	1	0.1
(1,2680)	1:119:A:VAL:HG22	1:120:A:SER:H	1	0.1
(1,2680)	1:119:A:VAL:HG23	1:120:A:SER:H	1	0.1
(1,2666)	1:118:A:LEU:H	1:118:A:LEU:HG	9	0.1
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG11	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG12	18	0.1
(1,2624)	1:116:A:LYS:H	1:117:A:VAL:HG13	18	0.1
(1,2584)	1:116:A:LYS:HA	1:151:A:ILE:HB	6	0.1
(1,2580)	1:116:A:LYS:HA	1:149:A:LEU:HB3	9	0.1
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	5	0.1
(1,2539)	1:113:A:GLU:H	1:115:A:ASP:H	11	0.1
(1,2513)	1:112:A:LYS:H	1:154:A:ILE:HD11	12	0.1
(1,2513)	1:112:A:LYS:H	1:154:A:ILE:HD12	12	0.1
(1,2513)	1:112:A:LYS:H	1:154:A:ILE:HD13	12	0.1
(1,2507)	1:112:A:LYS:HG2	1:113:A:GLU:H	8	0.1
(1,2507)	1:112:A:LYS:HG3	1:113:A:GLU:H	8	0.1
(1,2493)	1:111:A:VAL:H	1:112:A:LYS:HA	10	0.1
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	8	0.1
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	10	0.1
(1,2478)	1:110:A:GLU:H	1:111:A:VAL:HA	14	0.1
(1,2419)	1:106:A:LYS:HB2	1:110:A:GLU:HB3	2	0.1
(1,2417)	1:106:A:LYS:HB2	1:111:A:VAL:H	8	0.1
(1,2417)	1:106:A:LYS:HB3	1:111:A:VAL:H	8	0.1
(1,2412)	1:106:A:LYS:HB2	1:107:A:ARG:H	5	0.1
(1,2412)	1:106:A:LYS:HB3	1:107:A:ARG:H	5	0.1
(1,2405)	1:105:A:GLU:HB2	1:106:A:LYS:H	3	0.1
(1,2405)	1:105:A:GLU:HB3	1:106:A:LYS:H	3	0.1
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG21	10	0.1
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG22	10	0.1
(1,2370)	1:102:A:ARG:H	1:104:A:ILE:HG23	10	0.1
(1,2367)	1:102:A:ARG:H	1:103:A:PHE:HA	2	0.1
(1,2367)	1:102:A:ARG:H	1:103:A:PHE:HA	17	0.1
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	1	0.1
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	5	0.1
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	7	0.1
(1,2363)	1:102:A:ARG:H	1:102:A:ARG:HB3	20	0.1
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	5	0.1
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	5	0.1
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD2	18	0.1
(1,2347)	1:102:A:ARG:HA	1:102:A:ARG:HD3	18	0.1
(1,2327)	1:99:A:GLU:H	1:99:A:GLU:HB2	3	0.1
(1,2327)	1:99:A:GLU:H	1:99:A:GLU:HB2	11	0.1
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	15	0.1
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	15	0.1
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	15	0.1
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	15	0.1
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	15	0.1
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG21	17	0.1
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG22	17	0.1
(1,2318)	1:99:A:GLU:HG2	1:104:A:ILE:HG23	17	0.1
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG21	17	0.1
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG22	17	0.1
(1,2318)	1:99:A:GLU:HG3	1:104:A:ILE:HG23	17	0.1
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD2	15	0.1
(1,2306)	1:98:A:TYR:H	1:116:A:LYS:HD3	15	0.1
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD11	3	0.1
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD12	3	0.1
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD13	3	0.1
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD21	3	0.1
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD22	3	0.1
(1,2295)	1:98:A:TYR:HB2	1:118:A:LEU:HD23	3	0.1
(1,2288)	1:98:A:TYR:HB3	1:118:A:LEU:HG	4	0.1
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD11	12	0.1
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD12	12	0.1
(1,2278)	1:97:A:VAL:H	1:104:A:ILE:HD13	12	0.1
(1,2277)	1:97:A:VAL:H	1:103:A:PHE:HB3	13	0.1
(1,2236)	1:97:A:VAL:HB	1:115:A:ASP:HA	8	0.1
(1,2168)	1:95:A:VAL:HB	1:111:A:VAL:HA	12	0.1
(1,2162)	1:94:A:PRO:HA	1:107:A:ARG:H	2	0.1
(1,2158)	1:94:A:PRO:HA	1:95:A:VAL:HG11	2	0.1
(1,2158)	1:94:A:PRO:HA	1:95:A:VAL:HG12	2	0.1
(1,2158)	1:94:A:PRO:HA	1:95:A:VAL:HG13	2	0.1
(1,2158)	1:94:A:PRO:HA	1:95:A:VAL:HG21	2	0.1
(1,2158)	1:94:A:PRO:HA	1:95:A:VAL:HG22	2	0.1
(1,2158)	1:94:A:PRO:HA	1:95:A:VAL:HG23	2	0.1
(1,2140)	1:91:A:VAL:HG21	1:109:A:PHE:HA	4	0.1
(1,2140)	1:91:A:VAL:HG22	1:109:A:PHE:HA	4	0.1
(1,2140)	1:91:A:VAL:HG23	1:109:A:PHE:HA	4	0.1
(1,2109)	1:90:A:THR:HG21	1:164:A:VAL:HB	10	0.1
(1,2109)	1:90:A:THR:HG22	1:164:A:VAL:HB	10	0.1
(1,2109)	1:90:A:THR:HG23	1:164:A:VAL:HB	10	0.1
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD11	17	0.1
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD12	17	0.1
(1,2059)	1:87:A:PHE:HB2	1:181:A:ILE:HD13	17	0.1
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD11	18	0.1
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD12	18	0.1
(1,2047)	1:86:A:SER:H	1:181:A:ILE:HD13	18	0.1
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:85:A:ARG:H	1:86:A:SER:H	19	0.1
(1,2008)	1:85:A:ARG:HA	1:85:A:ARG:HD2	4	0.1
(1,1993)	1:83:A:ASP:HB2	1:84:A:GLY:H	20	0.1
(1,1971)	1:82:A:GLU:HG3	1:83:A:ASP:H	8	0.1
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	3	0.1
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	3	0.1
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	3	0.1
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	4	0.1
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	4	0.1
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	4	0.1
(1,1938)	1:81:A:LEU:HD21	1:85:A:ARG:HD2	19	0.1
(1,1938)	1:81:A:LEU:HD22	1:85:A:ARG:HD2	19	0.1
(1,1938)	1:81:A:LEU:HD23	1:85:A:ARG:HD2	19	0.1
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	15	0.1
(1,1910)	1:81:A:LEU:HB3	1:84:A:GLY:H	19	0.1
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB2	6	0.1
(1,1879)	1:80:A:GLU:HG2	1:86:A:SER:HB3	6	0.1
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG2	11	0.1
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG3	11	0.1
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG2	11	0.1
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG3	11	0.1
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG2	19	0.1
(1,1874)	1:80:A:GLU:HG2	1:152:A:LYS:HG3	19	0.1
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG2	19	0.1
(1,1874)	1:80:A:GLU:HG3	1:152:A:LYS:HG3	19	0.1
(1,1861)	1:80:A:GLU:HB2	1:153:A:ASN:HA	8	0.1
(1,1861)	1:80:A:GLU:HB3	1:153:A:ASN:HA	8	0.1
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	14	0.1
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	14	0.1
(1,1859)	1:80:A:GLU:HB2	1:84:A:GLY:HA2	15	0.1
(1,1859)	1:80:A:GLU:HB3	1:84:A:GLY:HA2	15	0.1
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	1	0.1
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	3	0.1
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	4	0.1
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	10	0.1
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	17	0.1
(1,1844)	1:79:A:PHE:H	1:79:A:PHE:HB3	19	0.1
(1,1841)	1:79:A:PHE:HE1	1:154:A:ILE:HG13	3	0.1
(1,1841)	1:79:A:PHE:HE2	1:154:A:ILE:HG13	3	0.1
(1,1785)	1:78:A:ARG:HD3	1:155:A:LYS:HD3	19	0.1
(1,1733)	1:77:A:ILE:HD11	1:156:A:TYR:HA	7	0.1
(1,1733)	1:77:A:ILE:HD12	1:156:A:TYR:HA	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:77:A:ILE:HD13	1:156:A:TYR:HA	7	0.1
(1,1731)	1:77:A:ILE:HD11	1:111:A:VAL:HB	2	0.1
(1,1731)	1:77:A:ILE:HD12	1:111:A:VAL:HB	2	0.1
(1,1731)	1:77:A:ILE:HD13	1:111:A:VAL:HB	2	0.1
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	3	0.1
(1,1714)	1:77:A:ILE:HA	1:156:A:TYR:H	10	0.1
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	2	0.1
(1,1679)	1:76:A:LEU:HA	1:89:A:THR:H	8	0.1
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD11	3	0.1
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD12	3	0.1
(1,1674)	1:76:A:LEU:HA	1:76:A:LEU:HD13	3	0.1
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	13	0.1
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	13	0.1
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	15	0.1
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	15	0.1
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	18	0.1
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	18	0.1
(1,1654)	1:75:A:HIS:HB2	1:75:A:HIS:HE1	20	0.1
(1,1654)	1:75:A:HIS:HB3	1:75:A:HIS:HE1	20	0.1
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG21	19	0.1
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG22	19	0.1
(1,1650)	1:75:A:HIS:HA	1:90:A:THR:HG23	19	0.1
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD11	17	0.1
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD12	17	0.1
(1,1646)	1:75:A:HIS:HA	1:76:A:LEU:HD13	17	0.1
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	4	0.1
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	4	0.1
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	4	0.1
(1,1638)	1:73:A:THR:HG21	1:74:A:ASP:H	8	0.1
(1,1638)	1:73:A:THR:HG22	1:74:A:ASP:H	8	0.1
(1,1638)	1:73:A:THR:HG23	1:74:A:ASP:H	8	0.1
(1,1580)	1:69:A:LYS:HG3	1:164:A:VAL:H	10	0.1
(1,1555)	1:68:A:ILE:HD11	1:165:A:PHE:HB3	5	0.1
(1,1555)	1:68:A:ILE:HD12	1:165:A:PHE:HB3	5	0.1
(1,1555)	1:68:A:ILE:HD13	1:165:A:PHE:HB3	5	0.1
(1,1554)	1:68:A:ILE:HD11	1:165:A:PHE:HA	6	0.1
(1,1554)	1:68:A:ILE:HD12	1:165:A:PHE:HA	6	0.1
(1,1554)	1:68:A:ILE:HD13	1:165:A:PHE:HA	6	0.1
(1,1553)	1:68:A:ILE:HB	1:168:A:ASN:H	14	0.1
(1,1552)	1:68:A:ILE:HA	1:168:A:ASN:H	10	0.1
(1,1551)	1:68:A:ILE:HA	1:166:A:SER:H	2	0.1
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	1	0.1
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	1	0.1
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	1	0.1
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	1	0.1
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	1	0.1
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	1	0.1
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	1	0.1
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	1	0.1
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	1	0.1
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	1	0.1
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	1	0.1
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB2	7	0.1
(1,1535)	1:67:A:VAL:HG11	1:167:A:LEU:HB3	7	0.1
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB2	7	0.1
(1,1535)	1:67:A:VAL:HG12	1:167:A:LEU:HB3	7	0.1
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB2	7	0.1
(1,1535)	1:67:A:VAL:HG13	1:167:A:LEU:HB3	7	0.1
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB2	7	0.1
(1,1535)	1:67:A:VAL:HG21	1:167:A:LEU:HB3	7	0.1
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB2	7	0.1
(1,1535)	1:67:A:VAL:HG22	1:167:A:LEU:HB3	7	0.1
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB2	7	0.1
(1,1535)	1:67:A:VAL:HG23	1:167:A:LEU:HB3	7	0.1
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB2	18	0.1
(1,1500)	1:65:A:GLU:HB3	1:168:A:ASN:HB3	18	0.1
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB1	6	0.1
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB2	6	0.1
(1,1496)	1:64:A:ILE:H	1:169:A:ALA:HB3	6	0.1
(1,1446)	1:61:A:LEU:H	1:62:A:THR:H	11	0.1
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD21	2	0.1
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD22	2	0.1
(1,1444)	1:61:A:LEU:H	1:61:A:LEU:HD23	2	0.1
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG11	5	0.1
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG12	5	0.1
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG13	5	0.1
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG21	5	0.1
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG22	5	0.1
(1,1398)	1:58:A:LYS:H	1:60:A:VAL:HG23	5	0.1
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	6	0.1
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	6	0.1
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	8	0.1
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:58:A:LYS:HG2	1:59:A:VAL:H	10	0.1
(1,1393)	1:58:A:LYS:HG3	1:59:A:VAL:H	10	0.1
(1,1381)	1:57:A:GLY:H	1:58:A:LYS:HD2	3	0.1
(1,1381)	1:57:A:GLY:H	1:58:A:LYS:HD3	3	0.1
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD2	7	0.1
(1,1379)	1:57:A:GLY:HA3	1:58:A:LYS:HD3	7	0.1
(1,1378)	1:56:A:THR:H	1:58:A:LYS:HD2	5	0.1
(1,1378)	1:56:A:THR:H	1:58:A:LYS:HD3	5	0.1
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE2	10	0.1
(1,1372)	1:56:A:THR:HG21	1:58:A:LYS:HE3	10	0.1
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE2	10	0.1
(1,1372)	1:56:A:THR:HG22	1:58:A:LYS:HE3	10	0.1
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE2	10	0.1
(1,1372)	1:56:A:THR:HG23	1:58:A:LYS:HE3	10	0.1
(1,1336)	1:54:A:LEU:HD11	1:55:A:GLU:H	2	0.1
(1,1336)	1:54:A:LEU:HD12	1:55:A:GLU:H	2	0.1
(1,1336)	1:54:A:LEU:HD13	1:55:A:GLU:H	2	0.1
(1,1328)	1:54:A:LEU:HB2	1:55:A:GLU:HB3	17	0.1
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	14	0.1
(1,1321)	1:54:A:LEU:HA	1:56:A:THR:H	16	0.1
(1,1312)	1:53:A:ASP:H	1:58:A:LYS:HB3	9	0.1
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	6	0.1
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	18	0.1
(1,1310)	1:53:A:ASP:H	1:54:A:LEU:HA	20	0.1
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	2	0.1
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	2	0.1
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	2	0.1
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	2	0.1
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG2	8	0.1
(1,1296)	1:53:A:ASP:HB2	1:58:A:LYS:HG3	8	0.1
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG2	8	0.1
(1,1296)	1:53:A:ASP:HB3	1:58:A:LYS:HG3	8	0.1
(1,1289)	1:53:A:ASP:HA	1:56:A:THR:H	17	0.1
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB2	13	0.1
(1,1281)	1:52:A:ILE:HG21	1:120:A:SER:HB3	13	0.1
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB2	13	0.1
(1,1281)	1:52:A:ILE:HG22	1:120:A:SER:HB3	13	0.1
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB2	13	0.1
(1,1281)	1:52:A:ILE:HG23	1:120:A:SER:HB3	13	0.1
(1,1260)	1:52:A:ILE:HG12	1:53:A:ASP:H	11	0.1
(1,1249)	1:52:A:ILE:HD11	1:58:A:LYS:HB3	6	0.1
(1,1249)	1:52:A:ILE:HD12	1:58:A:LYS:HB3	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:52:A:ILE:HD13	1:58:A:LYS:HB3	6	0.1
(1,1244)	1:52:A:ILE:HB	1:53:A:ASP:H	2	0.1
(1,1193)	1:49:A:VAL:HG11	1:169:A:ALA:H	3	0.1
(1,1193)	1:49:A:VAL:HG12	1:169:A:ALA:H	3	0.1
(1,1193)	1:49:A:VAL:HG13	1:169:A:ALA:H	3	0.1
(1,1193)	1:49:A:VAL:HG21	1:169:A:ALA:H	3	0.1
(1,1193)	1:49:A:VAL:HG22	1:169:A:ALA:H	3	0.1
(1,1193)	1:49:A:VAL:HG23	1:169:A:ALA:H	3	0.1
(1,1183)	1:49:A:VAL:HG11	1:61:A:LEU:HA	5	0.1
(1,1183)	1:49:A:VAL:HG12	1:61:A:LEU:HA	5	0.1
(1,1183)	1:49:A:VAL:HG13	1:61:A:LEU:HA	5	0.1
(1,1183)	1:49:A:VAL:HG21	1:61:A:LEU:HA	5	0.1
(1,1183)	1:49:A:VAL:HG22	1:61:A:LEU:HA	5	0.1
(1,1183)	1:49:A:VAL:HG23	1:61:A:LEU:HA	5	0.1
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	7	0.1
(1,1176)	1:49:A:VAL:HA	1:64:A:ILE:HG13	18	0.1
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD11	16	0.1
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD12	16	0.1
(1,1164)	1:48:A:LYS:HG2	1:64:A:ILE:HD13	16	0.1
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD11	16	0.1
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD12	16	0.1
(1,1164)	1:48:A:LYS:HG3	1:64:A:ILE:HD13	16	0.1
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	1	0.1
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	1	0.1
(1,1162)	1:48:A:LYS:HG2	1:49:A:VAL:H	18	0.1
(1,1162)	1:48:A:LYS:HG3	1:49:A:VAL:H	18	0.1
(1,1117)	1:47:A:ILE:H	1:47:A:ILE:HG13	11	0.1
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	2	0.1
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	2	0.1
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	2	0.1
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	5	0.1
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	5	0.1
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	5	0.1
(1,1113)	1:47:A:ILE:HG21	1:64:A:ILE:HG12	7	0.1
(1,1113)	1:47:A:ILE:HG22	1:64:A:ILE:HG12	7	0.1
(1,1113)	1:47:A:ILE:HG23	1:64:A:ILE:HG12	7	0.1
(1,1112)	1:47:A:ILE:HG21	1:64:A:ILE:HB	16	0.1
(1,1112)	1:47:A:ILE:HG22	1:64:A:ILE:HB	16	0.1
(1,1112)	1:47:A:ILE:HG23	1:64:A:ILE:HB	16	0.1
(1,1108)	1:47:A:ILE:HG21	1:47:A:ILE:HG13	6	0.1
(1,1108)	1:47:A:ILE:HG22	1:47:A:ILE:HG13	6	0.1
(1,1108)	1:47:A:ILE:HG23	1:47:A:ILE:HG13	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:46:A:GLU:HA	1:47:A:ILE:HA	14	0.1
(1,1089)	1:46:A:GLU:HA	1:47:A:ILE:HA	20	0.1
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	5	0.1
(1,1085)	1:45:A:ARG:H	1:47:A:ILE:HB	16	0.1
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	7	0.1
(1,1083)	1:45:A:ARG:H	1:46:A:GLU:HA	13	0.1
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG2	14	0.1
(1,1082)	1:45:A:ARG:H	1:45:A:ARG:HG3	14	0.1
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	5	0.1
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	8	0.1
(1,1081)	1:45:A:ARG:H	1:45:A:ARG:HD2	9	0.1
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD11	5	0.1
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD12	5	0.1
(1,1057)	1:44:A:LYS:HE2	1:47:A:ILE:HD13	5	0.1
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD11	5	0.1
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD12	5	0.1
(1,1057)	1:44:A:LYS:HE3	1:47:A:ILE:HD13	5	0.1
(1,1027)	1:42:A:LYS:H	1:43:A:PRO:HD3	4	0.1
(1,1024)	1:42:A:LYS:HG2	1:43:A:PRO:HD3	5	0.1
(1,1024)	1:42:A:LYS:HG3	1:43:A:PRO:HD3	5	0.1
(1,1020)	1:42:A:LYS:HB2	1:43:A:PRO:HD3	13	0.1
(1,1020)	1:42:A:LYS:HB3	1:43:A:PRO:HD3	13	0.1
(1,1004)	1:41:A:LYS:HD2	1:42:A:LYS:H	16	0.1
(1,1004)	1:41:A:LYS:HD3	1:42:A:LYS:H	16	0.1
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	7	0.1
(1,1000)	1:41:A:LYS:HA	1:41:A:LYS:HG2	17	0.1
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD2	17	0.1
(1,969)	1:40:A:ARG:HA	1:41:A:LYS:HD3	17	0.1
(1,959)	1:39:A:VAL:HG11	1:41:A:LYS:HA	2	0.1
(1,959)	1:39:A:VAL:HG12	1:41:A:LYS:HA	2	0.1
(1,959)	1:39:A:VAL:HG13	1:41:A:LYS:HA	2	0.1
(1,959)	1:39:A:VAL:HG21	1:41:A:LYS:HA	2	0.1
(1,959)	1:39:A:VAL:HG22	1:41:A:LYS:HA	2	0.1
(1,959)	1:39:A:VAL:HG23	1:41:A:LYS:HA	2	0.1
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG11	14	0.1
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG12	14	0.1
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG13	14	0.1
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG21	14	0.1
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG22	14	0.1
(1,955)	1:39:A:VAL:HA	1:67:A:VAL:HG23	14	0.1
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	9	0.1
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	9	0.1
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB1	11	0.1
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB2	11	0.1
(1,950)	1:38:A:TYR:H	1:70:A:ALA:HB3	11	0.1
(1,900)	1:36:A:MET:H	1:36:A:MET:HG2	7	0.1
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	14	0.1
(1,896)	1:36:A:MET:HG3	1:37:A:VAL:H	19	0.1
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG11	11	0.1
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG12	11	0.1
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG13	11	0.1
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG21	11	0.1
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG22	11	0.1
(1,888)	1:35:A:ASN:HD21	1:37:A:VAL:HG23	11	0.1
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG11	11	0.1
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG12	11	0.1
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG13	11	0.1
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG21	11	0.1
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG22	11	0.1
(1,888)	1:35:A:ASN:HD22	1:37:A:VAL:HG23	11	0.1
(1,883)	1:35:A:ASN:HB3	1:37:A:VAL:H	20	0.1
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	10	0.1
(1,872)	1:35:A:ASN:HA	1:36:A:MET:HB2	14	0.1
(1,861)	1:34:A:GLU:HB3	1:37:A:VAL:H	12	0.1
(1,859)	1:34:A:GLU:HB3	1:36:A:MET:H	15	0.1
(1,848)	1:33:A:TYR:HE1	1:38:A:TYR:HA	7	0.1
(1,848)	1:33:A:TYR:HE2	1:38:A:TYR:HA	7	0.1
(1,823)	1:32:A:ARG:HD2	1:39:A:VAL:HB	10	0.1
(1,823)	1:32:A:ARG:HD3	1:39:A:VAL:HB	10	0.1
(1,792)	1:30:A:ASP:H	1:30:A:ASP:HB2	8	0.1
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG11	4	0.1
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG12	4	0.1
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG13	4	0.1
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG21	4	0.1
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG22	4	0.1
(1,775)	1:29:A:GLU:H	1:67:A:VAL:HG23	4	0.1
(1,774)	1:29:A:GLU:H	1:44:A:LYS:H	8	0.1
(1,774)	1:29:A:GLU:H	1:44:A:LYS:H	10	0.1
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE2	15	0.1
(1,771)	1:29:A:GLU:H	1:44:A:LYS:HE3	15	0.1
(1,769)	1:29:A:GLU:H	1:41:A:LYS:H	19	0.1
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD11	8	0.1
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD12	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:27:A:LEU:H	1:47:A:ILE:HD13	8	0.1
(1,708)	1:27:A:LEU:H	1:28:A:PHE:HB2	1	0.1
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	7	0.1
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	12	0.1
(1,707)	1:27:A:LEU:H	1:28:A:PHE:HA	13	0.1
(1,700)	1:27:A:LEU:HD21	1:44:A:LYS:HE2	17	0.1
(1,700)	1:27:A:LEU:HD21	1:44:A:LYS:HE3	17	0.1
(1,700)	1:27:A:LEU:HD22	1:44:A:LYS:HE2	17	0.1
(1,700)	1:27:A:LEU:HD22	1:44:A:LYS:HE3	17	0.1
(1,700)	1:27:A:LEU:HD23	1:44:A:LYS:HE2	17	0.1
(1,700)	1:27:A:LEU:HD23	1:44:A:LYS:HE3	17	0.1
(1,675)	1:26:A:GLU:H	1:27:A:LEU:HB2	9	0.1
(1,672)	1:26:A:GLU:H	1:26:A:GLU:HB3	8	0.1
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	12	0.1
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	12	0.1
(1,670)	1:26:A:GLU:HG2	1:27:A:LEU:H	17	0.1
(1,670)	1:26:A:GLU:HG3	1:27:A:LEU:H	17	0.1
(1,647)	1:25:A:TYR:HA	1:26:A:GLU:H	13	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	3	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	3	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	3	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	3	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	3	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	3	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	11	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	11	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	11	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	11	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	11	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	11	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	14	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	14	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	14	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	14	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	14	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	14	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	16	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	16	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	16	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	16	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	16	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD11	19	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD12	19	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD13	19	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD21	19	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD22	19	0.1
(1,621)	1:23:A:GLU:H	1:24:A:LEU:HD23	19	0.1
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG2	7	0.1
(1,608)	1:22:A:ARG:H	1:23:A:GLU:HG3	7	0.1
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	3	0.1
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	3	0.1
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	3	0.1
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	3	0.1
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	3	0.1
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	3	0.1
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD2	18	0.1
(1,558)	1:20:A:THR:HG21	1:22:A:ARG:HD3	18	0.1
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD2	18	0.1
(1,558)	1:20:A:THR:HG22	1:22:A:ARG:HD3	18	0.1
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD2	18	0.1
(1,558)	1:20:A:THR:HG23	1:22:A:ARG:HD3	18	0.1
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	6	0.1
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	6	0.1
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	6	0.1
(1,543)	1:19:A:ILE:HG21	1:24:A:LEU:HA	10	0.1
(1,543)	1:19:A:ILE:HG22	1:24:A:LEU:HA	10	0.1
(1,543)	1:19:A:ILE:HG23	1:24:A:LEU:HA	10	0.1
(1,533)	1:19:A:ILE:HG12	1:20:A:THR:H	4	0.1
(1,533)	1:19:A:ILE:HG13	1:20:A:THR:H	4	0.1
(1,525)	1:19:A:ILE:HB	1:24:A:LEU:HB2	18	0.1
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	3	0.1
(1,524)	1:19:A:ILE:HB	1:24:A:LEU:HA	20	0.1
(1,510)	1:18:A:LYS:H	1:19:A:ILE:HG12	12	0.1
(1,510)	1:18:A:LYS:H	1:19:A:ILE:HG13	12	0.1
(1,484)	1:17:A:GLN:HB2	1:134:A:ASN:HD21	1	0.1
(1,484)	1:17:A:GLN:HB2	1:134:A:ASN:HD22	1	0.1
(1,484)	1:17:A:GLN:HB3	1:134:A:ASN:HD21	1	0.1
(1,484)	1:17:A:GLN:HB3	1:134:A:ASN:HD22	1	0.1
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG12	9	0.1
(1,477)	1:17:A:GLN:HA	1:19:A:ILE:HG13	9	0.1
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	1	0.1
(1,462)	1:16:A:PRO:HB3	1:17:A:GLN:H	19	0.1
(1,453)	1:15:A:VAL:H	1:16:A:PRO:HA	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG11	18	0.1
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG12	18	0.1
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG13	18	0.1
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG21	18	0.1
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG22	18	0.1
(1,437)	1:14:A:GLY:H	1:15:A:VAL:HG23	18	0.1
(1,422)	1:13:A:ASP:H	1:13:A:ASP:HB3	5	0.1
(1,422)	1:13:A:ASP:H	1:13:A:ASP:HB3	15	0.1
(1,422)	1:13:A:ASP:H	1:13:A:ASP:HB3	18	0.1
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG2	7	0.1
(1,414)	1:13:A:ASP:HA	1:46:A:GLU:HG3	7	0.1
(1,404)	1:12:A:ILE:H	1:12:A:ILE:HG12	13	0.1
(1,397)	1:12:A:ILE:HG21	1:46:A:GLU:H	9	0.1
(1,397)	1:12:A:ILE:HG22	1:46:A:GLU:H	9	0.1
(1,397)	1:12:A:ILE:HG23	1:46:A:GLU:H	9	0.1
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	2	0.1
(1,379)	1:12:A:ILE:HG12	1:27:A:LEU:HB3	8	0.1
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	11	0.1
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	11	0.1
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	11	0.1
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	11	0.1
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	11	0.1
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	11	0.1
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD21	17	0.1
(1,376)	1:12:A:ILE:HD11	1:134:A:ASN:HD22	17	0.1
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD21	17	0.1
(1,376)	1:12:A:ILE:HD12	1:134:A:ASN:HD22	17	0.1
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD21	17	0.1
(1,376)	1:12:A:ILE:HD13	1:134:A:ASN:HD22	17	0.1
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD21	8	0.1
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD22	8	0.1
(1,343)	1:11:A:GLN:HG3	1:61:A:LEU:HD23	8	0.1
(1,326)	1:11:A:GLN:HE22	1:61:A:LEU:HD21	14	0.1
(1,326)	1:11:A:GLN:HE22	1:61:A:LEU:HD22	14	0.1
(1,326)	1:11:A:GLN:HE22	1:61:A:LEU:HD23	14	0.1
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD11	2	0.1
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD12	2	0.1
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD13	2	0.1
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD11	17	0.1
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD12	17	0.1
(1,325)	1:11:A:GLN:HE22	1:61:A:LEU:HD13	17	0.1
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD21	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD22	5	0.1
(1,322)	1:11:A:GLN:HE21	1:61:A:LEU:HD23	5	0.1
(1,315)	1:11:A:GLN:HE21	1:15:A:VAL:HA	11	0.1
(1,315)	1:11:A:GLN:HE22	1:15:A:VAL:HA	11	0.1
(1,291)	1:10:A:VAL:HG21	1:50:A:TYR:H	19	0.1
(1,291)	1:10:A:VAL:HG22	1:50:A:TYR:H	19	0.1
(1,291)	1:10:A:VAL:HG23	1:50:A:TYR:H	19	0.1
(1,279)	1:10:A:VAL:HG11	1:12:A:ILE:H	4	0.1
(1,279)	1:10:A:VAL:HG12	1:12:A:ILE:H	4	0.1
(1,279)	1:10:A:VAL:HG13	1:12:A:ILE:H	4	0.1
(1,279)	1:10:A:VAL:HG21	1:12:A:ILE:H	4	0.1
(1,279)	1:10:A:VAL:HG22	1:12:A:ILE:H	4	0.1
(1,279)	1:10:A:VAL:HG23	1:12:A:ILE:H	4	0.1
(1,271)	1:10:A:VAL:HB	1:11:A:GLN:HA	12	0.1
(1,271)	1:10:A:VAL:HB	1:11:A:GLN:HA	19	0.1
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	3	0.1
(1,253)	1:9:A:LEU:H	1:10:A:VAL:H	4	0.1
(1,214)	1:9:A:LEU:HD11	1:16:A:PRO:HG2	15	0.1
(1,214)	1:9:A:LEU:HD12	1:16:A:PRO:HG2	15	0.1
(1,214)	1:9:A:LEU:HD13	1:16:A:PRO:HG2	15	0.1
(1,214)	1:9:A:LEU:HD21	1:16:A:PRO:HG2	15	0.1
(1,214)	1:9:A:LEU:HD22	1:16:A:PRO:HG2	15	0.1
(1,214)	1:9:A:LEU:HD23	1:16:A:PRO:HG2	15	0.1
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG21	2	0.1
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG22	2	0.1
(1,185)	1:8:A:ILE:H	1:20:A:THR:HG23	2	0.1
(1,182)	1:8:A:ILE:H	1:19:A:ILE:H	12	0.1
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	9	0.1
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	13	0.1
(1,179)	1:8:A:ILE:H	1:9:A:LEU:HA	15	0.1
(1,166)	1:8:A:ILE:HG21	1:10:A:VAL:H	13	0.1
(1,166)	1:8:A:ILE:HG22	1:10:A:VAL:H	13	0.1
(1,166)	1:8:A:ILE:HG23	1:10:A:VAL:H	13	0.1
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG11	17	0.1
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG12	17	0.1
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG13	17	0.1
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG21	17	0.1
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG22	17	0.1
(1,140)	1:8:A:ILE:HB	1:175:A:VAL:HG23	17	0.1
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	3	0.1
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	3	0.1
(1,108)	1:7:A:ARG:HG2	1:178:A:ASN:HB2	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:7:A:ARG:HG3	1:178:A:ASN:HB2	18	0.1
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG21	10	0.1
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG22	10	0.1
(1,104)	1:7:A:ARG:HD2	1:20:A:THR:HG23	10	0.1
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG21	5	0.1
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG22	5	0.1
(1,103)	1:7:A:ARG:HD3	1:20:A:THR:HG23	5	0.1
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG21	16	0.1
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG22	16	0.1
(1,102)	1:7:A:ARG:HD2	1:20:A:THR:HG23	16	0.1
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG21	16	0.1
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG22	16	0.1
(1,102)	1:7:A:ARG:HD3	1:20:A:THR:HG23	16	0.1
(1,61)	1:5:A:ASP:HB2	1:20:A:THR:HB	6	0.1
(1,61)	1:5:A:ASP:HB3	1:20:A:THR:HB	6	0.1
(1,37)	1:3:A:PRO:HD2	1:89:A:THR:HA	12	0.1
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD21	8	0.1
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD22	8	0.1
(1,36)	1:3:A:PRO:HD2	1:76:A:LEU:HD23	8	0.1
(1,23)	1:3:A:PRO:HB3	1:159:A:ALA:HB1	6	0.1
(1,23)	1:3:A:PRO:HB3	1:159:A:ALA:HB2	6	0.1
(1,23)	1:3:A:PRO:HB3	1:159:A:ALA:HB3	6	0.1
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	2	0.1
(1,21)	1:3:A:PRO:HB3	1:5:A:ASP:H	13	0.1

10 Dihedral-angle violation analysis

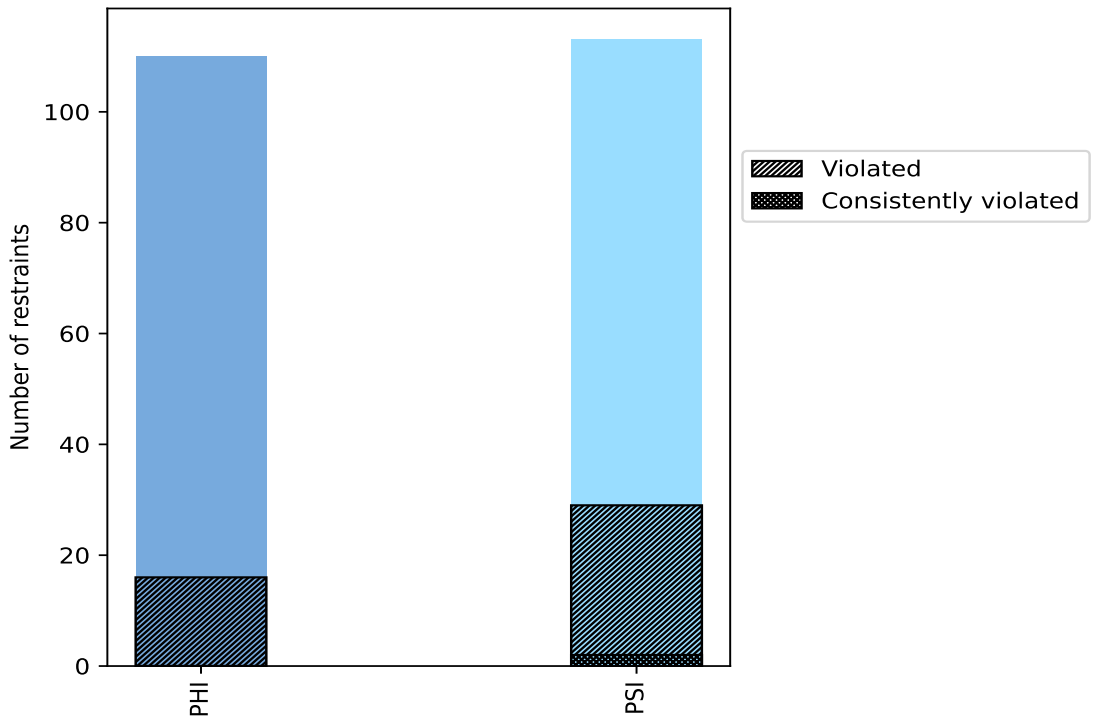
10.1 Summary of dihedral-angle violations

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]
PHI	110	49.3	16	14.5	7.2	0	0.0	0.0
PSI	113	50.7	29	25.7	13.0	2	1.8	0.9
Total	223	100.0	45	20.2	20.2	2	0.9	0.9

[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



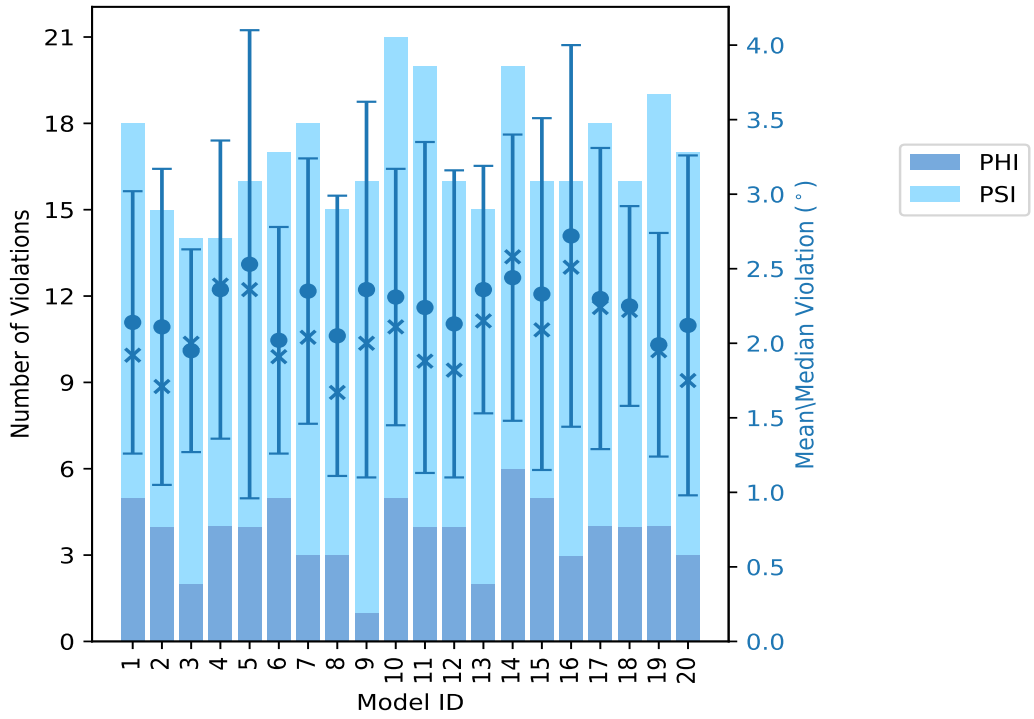
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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 (°)
	PHI	PSI	Total				
1	5	13	18	2.14	4.2	0.88	1.92
2	4	11	15	2.11	4.98	1.06	1.71
3	2	12	14	1.95	2.9	0.68	2.0
4	4	10	14	2.36	4.73	1.0	2.39
5	4	12	16	2.53	7.88	1.57	2.36
6	5	12	17	2.02	3.61	0.76	1.91
7	3	15	18	2.35	4.2	0.89	2.04
8	3	12	15	2.05	3.73	0.94	1.67
9	1	15	16	2.36	5.82	1.26	2.0
10	5	16	21	2.31	5.27	0.86	2.11
11	4	16	20	2.24	5.94	1.11	1.88
12	4	12	16	2.13	4.88	1.03	1.82
13	2	13	15	2.36	4.42	0.83	2.15
14	6	14	20	2.44	5.01	0.96	2.58
15	5	11	16	2.33	5.79	1.18	2.09
16	3	13	16	2.72	6.09	1.28	2.51
17	4	14	18	2.3	4.77	1.01	2.24
18	4	12	16	2.25	3.37	0.67	2.22
19	4	15	19	1.99	3.34	0.75	1.95
20	3	14	17	2.12	5.84	1.14	1.75

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	
PHI	PSI	Total	Count[1]	%
7	6	13	1	5.0
1	2	3	2	10.0
3	2	5	3	15.0
0	1	1	4	20.0
0	2	2	5	25.0
2	0	2	6	30.0
0	2	2	7	35.0
0	1	1	8	40.0
0	0	0	9	45.0
0	2	2	10	50.0
0	1	1	11	55.0

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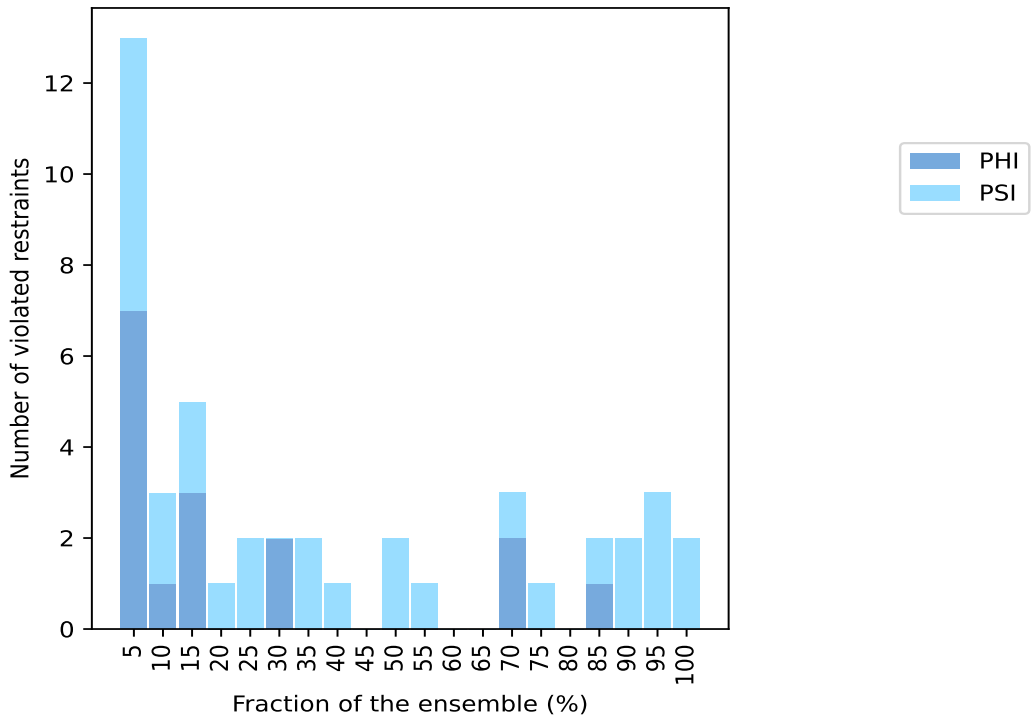
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	0	0	12	60.0
0	0	0	13	65.0
2	1	3	14	70.0
0	1	1	15	75.0
0	0	0	16	80.0
1	1	2	17	85.0
0	2	2	18	90.0
0	3	3	19	95.0
0	2	2	20	100.0

[1] Number of models with violations

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

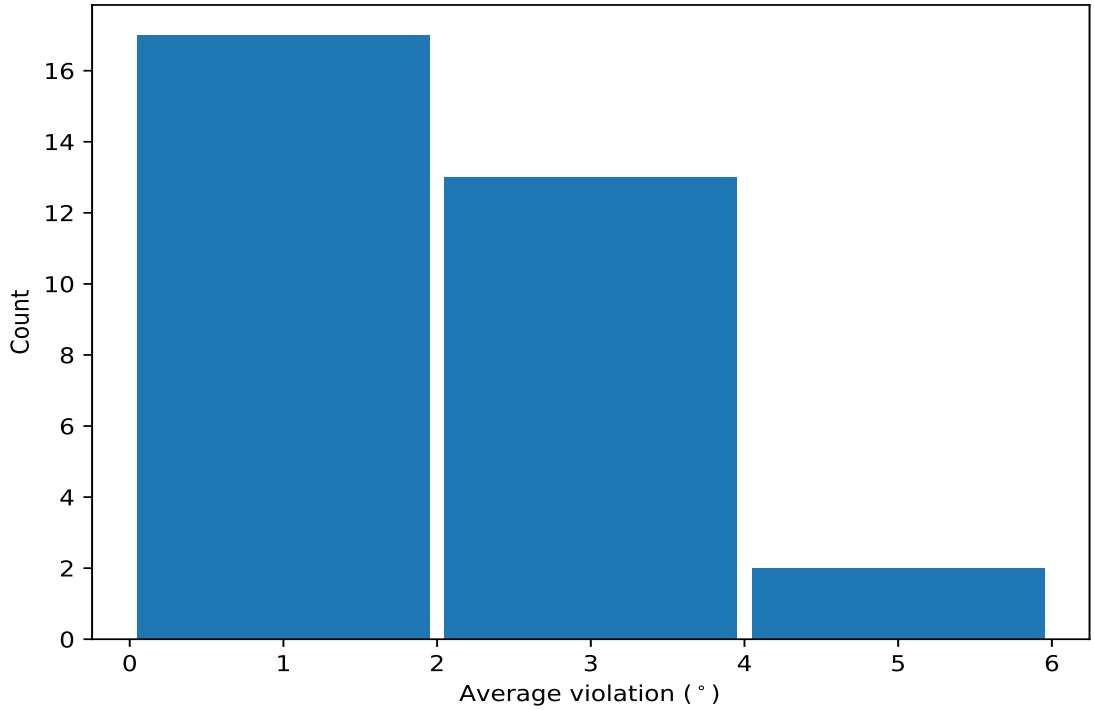


10.4 Most violated dihedral-angle restraints in the ensemble

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
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	20	2.94	0.72	3.02
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	20	2.33	0.59	2.42
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	19	4.04	1.94	4.77
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	19	3.27	0.7	3.23
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	19	2.42	0.73	2.61
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	18	2.27	0.57	2.13
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	18	2.18	0.76	2.32
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	17	2.62	0.65	2.66
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	17	1.68	0.48	1.58
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	15	1.81	0.34	1.84
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	14	2.19	0.84	2.42
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	14	1.64	0.43	1.66
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	14	1.48	0.38	1.43
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	11	1.49	0.37	1.51
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	10	2.17	0.79	2.17
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	10	1.82	0.58	1.54
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	8	1.73	0.48	1.65
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	7	2.04	0.55	2.06
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	7	1.95	0.59	2.14
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	6	2.66	0.75	2.92

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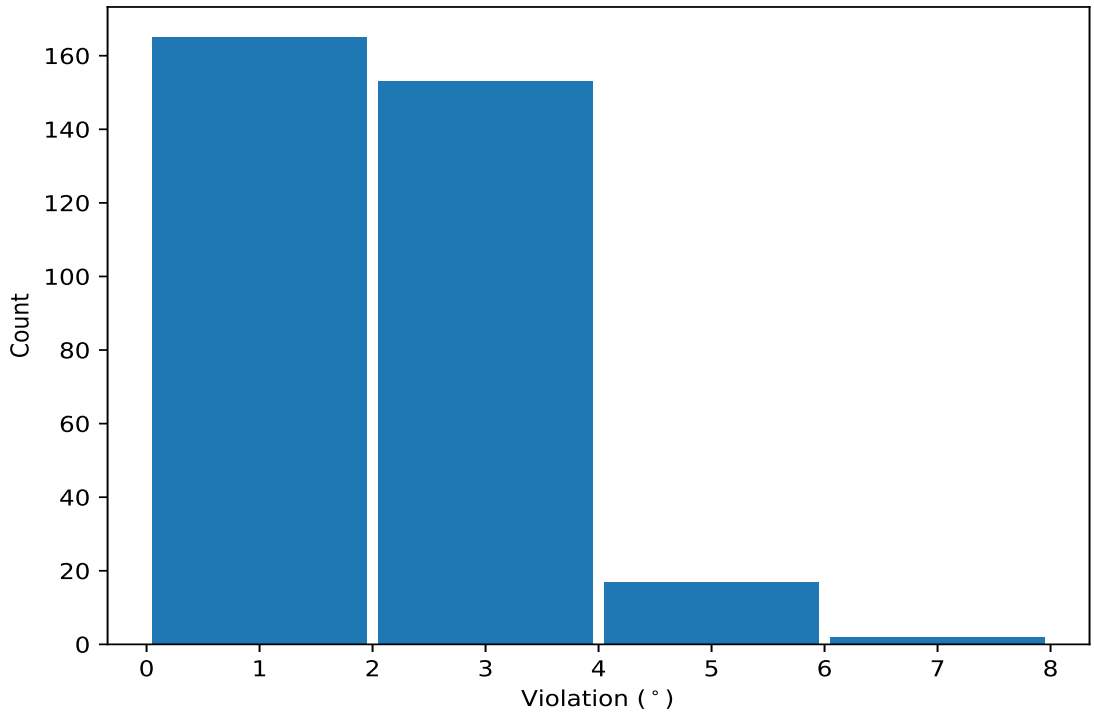
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	6	1.7	0.56	1.58
(1,221)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:THR:N	5	3.19	0.84	3.06
(1,65)	1:45:A:ARG:N	1:45:A:ARG:CA	1:45:A:ARG:C	1:46:A:GLU:N	5	1.39	0.12	1.4
(1,21)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:GLN:N	4	1.52	0.43	1.46
(1,108)	1:69:A:LYS:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	3	1.78	0.19	1.9
(1,104)	1:67:A:VAL:C	1:68:A:ILE:N	1:68:A:ILE:CA	1:68:A:ILE:C	3	1.74	0.34	1.59
(1,143)	1:99:A:GLU:N	1:99:A:GLU:CA	1:99:A:GLU:C	1:100:A:ASN:N	3	1.55	0.31	1.52
(1,85)	1:56:A:THR:N	1:56:A:THR:CA	1:56:A:THR:C	1:57:A:GLY:N	3	1.51	0.13	1.53
(1,52)	1:33:A:TYR:C	1:34:A:GLU:N	1:34:A:GLU:CA	1:34:A:GLU:C	3	1.08	0.04	1.06
(1,207)	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	1:169:A:ALA:N	2	5.14	0.94	5.14
(1,209)	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	1:171:A:LYS:N	2	2.13	0.62	2.13
(1,178)	1:141:A:GLY:C	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	2	1.4	0.26	1.4

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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 (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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	5	7.88
(1,207)	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	1:169:A:ALA:N	16	6.09
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	11	5.94
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	20	5.84
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	9	5.82
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	15	5.79
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	16	5.29
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	10	5.27
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	14	5.01
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	2	4.98
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	12	4.88
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	17	4.77
(1,221)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:THR:N	4	4.73
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	13	4.42
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	9	4.35
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	17	4.25
(1,207)	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	1:169:A:ALA:N	7	4.2
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	1	4.2
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	9	4.1
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	12	3.95
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	4	3.87
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	5	3.82
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	8	3.73
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	7	3.68
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	7	3.63
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	6	3.61
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	20	3.61
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	7	3.55
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	8	3.52
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	16	3.51
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	14	3.49
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	14	3.49
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	6	3.48
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	10	3.46
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	15	3.44
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	11	3.4
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	11	3.4
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	18	3.37
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	8	3.36
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	13	3.35
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	19	3.34
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	19	3.32
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	14	3.32
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	15	3.32
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	1	3.29
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	19	3.28
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	17	3.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	2	3.28
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	14	3.27
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	1	3.23
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	10	3.21
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	13	3.18
(1,28)	1:19:A:ILE:C	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1	3.18
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	6	3.17
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	19	3.13
(1,221)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:THR:N	15	3.11
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	18	3.11
(1,221)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:THR:N	11	3.06
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	2	3.04
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	12	3.03
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	8	3.02
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	4	3.01
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	5	2.99
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	5	2.98
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	10	2.98
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	15	2.96
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	18	2.96
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	8	2.93
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	20	2.91
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	16	2.91
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	3	2.9
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	2	2.88
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	18	2.87
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	13	2.87
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	16	2.86
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	1	2.86
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	18	2.85
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	14	2.85
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	3	2.85
(1,221)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:THR:N	17	2.84
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	12	2.84
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	7	2.84
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	18	2.84
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	20	2.82
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	7	2.81
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	4	2.81
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	5	2.8
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	11	2.79
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	16	2.78
(1,209)	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	1:171:A:LYS:N	17	2.75
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	7	2.74
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	16	2.74
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	11	2.73
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	9	2.73
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	14	2.71
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	14	2.7
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	13	2.69
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	14	2.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	14	2.67
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	4	2.67
(1,134)	1:94:A:PRO:C	1:95:A:VAL:N	1:95:A:VAL:CA	1:95:A:VAL:C	2	2.66
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	3	2.66
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	5	2.64
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	5	2.63
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	16	2.62
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	3	2.61
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	3	2.61
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	17	2.6
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	1	2.6
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	11	2.57
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	10	2.56
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	5	2.53
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	4	2.51
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	14	2.5
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	11	2.5
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	17	2.49
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	13	2.48
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	10	2.47
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	18	2.45
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	6	2.45
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	13	2.44
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	4	2.44
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	15	2.43
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	10	2.42
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	16	2.4
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	16	2.39
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	4	2.34
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	9	2.33
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	17	2.32
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	19	2.31
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	10	2.3
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	15	2.3
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	10	2.29
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	6	2.29
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	15	2.28
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	17	2.27
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	18	2.27
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	3	2.27
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	1	2.25
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	12	2.23
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	7	2.21
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	20	2.21
(1,104)	1:67:A:VAL:C	1:68:A:ILE:N	1:68:A:ILE:CA	1:68:A:ILE:C	1	2.21
(1,221)	1:182:A:VAL:N	1:182:A:VAL:CA	1:182:A:VAL:C	1:183:A:THR:N	19	2.2
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	17	2.2
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	3	2.19
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	9	2.19
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	5	2.19
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	17	2.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	18	2.18
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	19	2.17
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	10	2.17
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	16	2.16
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	7	2.16
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	9	2.15
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	13	2.15
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	6	2.14
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	12	2.13
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	13	2.12
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	10	2.11
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	2	2.1
(1,21)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:GLN:N	13	2.08
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	14	2.07
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	2	2.07
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	8	2.07
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	20	2.06
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	9	2.05
(1,133)	1:94:A:PRO:N	1:94:A:PRO:CA	1:94:A:PRO:C	1:95:A:VAL:N	6	2.05
(1,59)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:ARG:N	10	2.04
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	11	2.03
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	20	2.02
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	19	2.0
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	1	1.99
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	10	1.97
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	19	1.97
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	19	1.95
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	18	1.95
(1,143)	1:99:A:GLU:N	1:99:A:GLU:CA	1:99:A:GLU:C	1:100:A:ASN:N	9	1.94
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	10	1.94
(1,108)	1:69:A:LYS:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	18	1.93
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	6	1.92
(1,23)	1:17:A:GLN:N	1:17:A:GLN:CA	1:17:A:GLN:C	1:18:A:LYS:N	7	1.92
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	6	1.91
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	12	1.91
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	16	1.91
(1,108)	1:69:A:LYS:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	11	1.9
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	20	1.9
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	15	1.9
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	15	1.89
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	13	1.89
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	14	1.87
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	1	1.85
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	11	1.85
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	7	1.85
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	4	1.84
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	14	1.84
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	16	1.84
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	12	1.84
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	10	1.83
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	3	1.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	19	1.8
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	12	1.8
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	10	1.79
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	17	1.78
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	8	1.78
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	6	1.78
(1,21)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:GLN:N	10	1.78
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	13	1.75
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	20	1.75
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	9	1.75
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	20	1.75
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	17	1.74
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	11	1.74
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	7	1.73
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	5	1.72
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	14	1.71
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	18	1.71
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	2	1.71
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	12	1.71
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	7	1.69
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	13	1.69
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	6	1.68
(1,178)	1:141:A:GLY:C	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	12	1.67
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	2	1.67
(1,80)	1:53:A:ASP:C	1:54:A:LEU:N	1:54:A:LEU:CA	1:54:A:LEU:C	8	1.67
(1,85)	1:56:A:THR:N	1:56:A:THR:CA	1:56:A:THR:C	1:57:A:GLY:N	10	1.66
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	5	1.64
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	11	1.64
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	6	1.64
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	3	1.61
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	9	1.61
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	16	1.6
(1,104)	1:67:A:VAL:C	1:68:A:ILE:N	1:68:A:ILE:CA	1:68:A:ILE:C	15	1.59
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	2	1.59
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	7	1.58
(1,65)	1:45:A:ARG:N	1:45:A:ARG:CA	1:45:A:ARG:C	1:46:A:GLU:N	5	1.58
(1,34)	1:22:A:ARG:C	1:23:A:GLU:N	1:23:A:GLU:CA	1:23:A:GLU:C	4	1.58
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	7	1.56
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	6	1.56
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	9	1.56
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	12	1.56
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	1	1.56
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	11	1.55
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	11	1.55
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	19	1.54
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	7	1.54
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	1	1.54
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	9	1.54
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	19	1.54
(1,85)	1:56:A:THR:N	1:56:A:THR:CA	1:56:A:THR:C	1:57:A:GLY:N	5	1.53
(1,143)	1:99:A:GLU:N	1:99:A:GLU:CA	1:99:A:GLU:C	1:100:A:ASN:N	18	1.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,108)	1:69:A:LYS:C	1:70:A:ALA:N	1:70:A:ALA:CA	1:70:A:ALA:C	4	1.52
(1,209)	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	1:171:A:LYS:N	1	1.51
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	1	1.51
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	15	1.51
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	18	1.51
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	10	1.51
(1,206)	1:167:A:LEU:C	1:168:A:ASN:N	1:168:A:ASN:CA	1:168:A:ASN:C	15	1.49
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	14	1.49
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	20	1.48
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	11	1.47
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	1	1.46
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	4	1.46
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	8	1.43
(1,104)	1:67:A:VAL:C	1:68:A:ILE:N	1:68:A:ILE:CA	1:68:A:ILE:C	14	1.43
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	7	1.43
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	14	1.41
(1,65)	1:45:A:ARG:N	1:45:A:ARG:CA	1:45:A:ARG:C	1:46:A:GLU:N	10	1.41
(1,63)	1:41:A:LYS:N	1:41:A:LYS:CA	1:41:A:LYS:C	1:42:A:LYS:N	8	1.41
(1,65)	1:45:A:ARG:N	1:45:A:ARG:CA	1:45:A:ARG:C	1:46:A:GLU:N	20	1.4
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	20	1.39
(1,73)	1:49:A:VAL:N	1:49:A:VAL:CA	1:49:A:VAL:C	1:50:A:TYR:N	20	1.37
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	12	1.36
(1,65)	1:45:A:ARG:N	1:45:A:ARG:CA	1:45:A:ARG:C	1:46:A:GLU:N	16	1.35
(1,149)	1:103:A:PHE:N	1:103:A:PHE:CA	1:103:A:PHE:C	1:104:A:ILE:N	17	1.34
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	8	1.34
(1,85)	1:56:A:THR:N	1:56:A:THR:CA	1:56:A:THR:C	1:57:A:GLY:N	19	1.34
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	9	1.33
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	5	1.33
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	10	1.33
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	20	1.32
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	19	1.3
(1,32)	1:21:A:LEU:C	1:22:A:ARG:N	1:22:A:ARG:CA	1:22:A:ARG:C	18	1.3
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	19	1.29
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	6	1.28
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	11	1.26
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	17	1.26
(1,141)	1:98:A:TYR:N	1:98:A:TYR:CA	1:98:A:TYR:C	1:99:A:GLU:N	13	1.25
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	9	1.24
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	11	1.23
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	19	1.23
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	18	1.22
(1,65)	1:45:A:ARG:N	1:45:A:ARG:CA	1:45:A:ARG:C	1:46:A:GLU:N	3	1.22
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	2	1.21
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	2	1.21
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	4	1.19
(1,143)	1:99:A:GLU:N	1:99:A:GLU:CA	1:99:A:GLU:C	1:100:A:ASN:N	3	1.19
(1,102)	1:66:A:ASP:C	1:67:A:VAL:N	1:67:A:VAL:CA	1:67:A:VAL:C	5	1.19
(1,8)	1:8:A:ILE:N	1:8:A:ILE:CA	1:8:A:ILE:C	1:9:A:LEU:N	11	1.18
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	15	1.17
(1,25)	1:18:A:LYS:N	1:18:A:LYS:CA	1:18:A:LYS:C	1:19:A:ILE:N	7	1.17
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	6	1.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,111)	1:74:A:ASP:C	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	6	1.16
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	17	1.15
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	8	1.15
(1,97)	1:62:A:THR:N	1:62:A:THR:CA	1:62:A:THR:C	1:63:A:ASP:N	8	1.15
(1,178)	1:141:A:GLY:C	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	14	1.14
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	20	1.14
(1,208)	1:169:A:ALA:C	1:170:A:LYS:N	1:170:A:LYS:CA	1:170:A:LYS:C	12	1.13
(1,179)	1:142:A:SER:N	1:142:A:SER:CA	1:142:A:SER:C	1:143:A:PRO:N	9	1.13
(1,99)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:ILE:N	1	1.13
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	8	1.13
(1,52)	1:33:A:TYR:C	1:34:A:GLU:N	1:34:A:GLU:CA	1:34:A:GLU:C	3	1.13
(1,49)	1:32:A:ARG:N	1:32:A:ARG:CA	1:32:A:ARG:C	1:33:A:TYR:N	3	1.13
(1,21)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:GLN:N	14	1.13
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	16	1.12
(1,112)	1:75:A:HIS:N	1:75:A:HIS:CA	1:75:A:HIS:C	1:76:A:LEU:N	3	1.12
(1,199)	1:157:A:VAL:N	1:157:A:VAL:CA	1:157:A:VAL:C	1:158:A:ARG:N	11	1.11
(1,176)	1:118:A:LEU:C	1:119:A:VAL:N	1:119:A:VAL:CA	1:119:A:VAL:C	4	1.11
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	1	1.1
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	2	1.1
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	13	1.1
(1,180)	1:146:A:ASP:C	1:147:A:GLN:N	1:147:A:GLN:CA	1:147:A:GLN:C	19	1.09
(1,145)	1:100:A:ASN:N	1:100:A:ASN:CA	1:100:A:ASN:C	1:101:A:GLY:N	20	1.09
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	17	1.08
(1,163)	1:111:A:VAL:N	1:111:A:VAL:CA	1:111:A:VAL:C	1:112:A:LYS:N	8	1.07
(1,21)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:GLN:N	15	1.07
(1,107)	1:69:A:LYS:N	1:69:A:LYS:CA	1:69:A:LYS:C	1:70:A:ALA:N	12	1.06
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	1	1.06
(1,52)	1:33:A:TYR:C	1:34:A:GLU:N	1:34:A:GLU:CA	1:34:A:GLU:C	19	1.06
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	5	1.05
(1,61)	1:40:A:ARG:N	1:40:A:ARG:CA	1:40:A:ARG:C	1:41:A:LYS:N	2	1.05
(1,52)	1:33:A:TYR:C	1:34:A:GLU:N	1:34:A:GLU:CA	1:34:A:GLU:C	6	1.04
(1,169)	1:114:A:GLY:N	1:114:A:GLY:CA	1:114:A:GLY:C	1:115:A:ASP:N	2	1.03
(1,147)	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	1:103:A:PHE:N	17	1.03
(1,92)	1:59:A:VAL:C	1:60:A:VAL:N	1:60:A:VAL:CA	1:60:A:VAL:C	12	1.03
(1,45)	1:29:A:GLU:N	1:29:A:GLU:CA	1:29:A:GLU:C	1:30:A:ASP:N	15	1.02