



Full wwPDB NMR Structure Validation Report ⓘ

Mar 9, 2026 – 06:18 PM UTC

PDB ID : 2MZB / pdb_00002mzb
BMRB ID : 25482
Title : Solution structural studies of GTP:adenosylcobinamide-phosphate guanylyl-transferase (CobY) from Methanocaldococcus jannaschii
Authors : Singarapu, K.; Otte, M.; Tonelli, M.; Westler, W.M.; Escalante-Semerena, J.C.; Markley, J.L.
Deposited on : 2015-02-11

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 ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

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

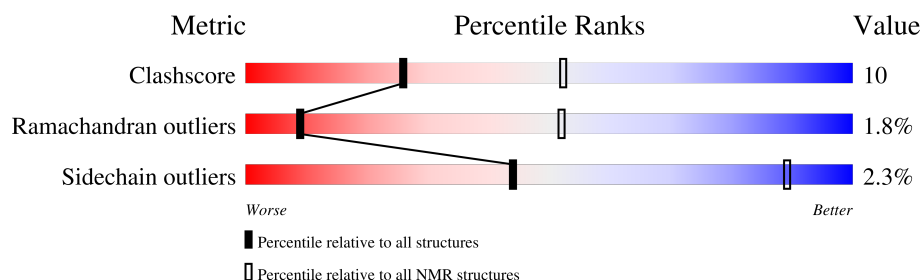
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 83%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	196	 66% 17% .. 15%

2 Ensemble composition and analysis

This entry contains 20 models. Model 19 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:1-A:8, A:20-A:135, A:150-A:192 (167)	0.82	19

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 5 clusters and 1 single-model cluster was found.

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 3110 atoms, of which 1586 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Adenosylcobinamide-phosphate guanylyltransferase.

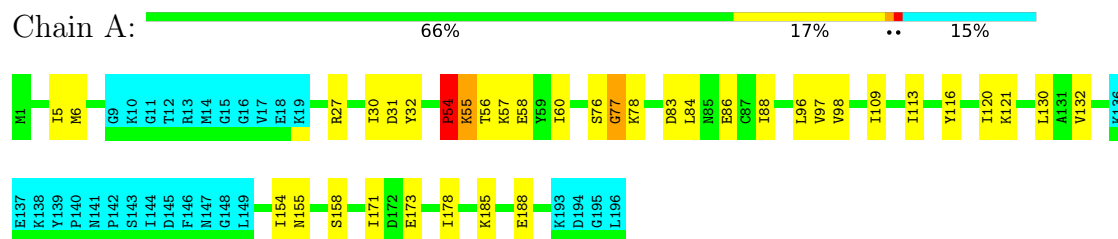
Mol	Chain	Residues	Atoms						Trace
1	A	196	Total	C	H	N	O	S	0
			3110	987	1586	240	287	10	

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: Adenosylcobinamide-phosphate guanylyltransferase

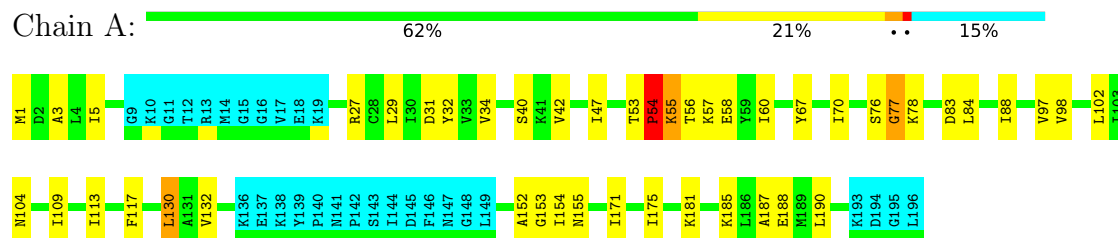


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

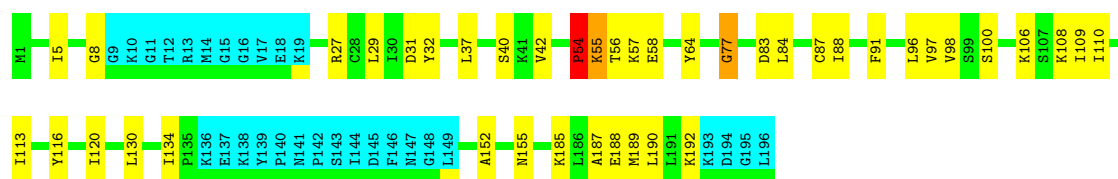
- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



4.2.2 Score per residue for model 2

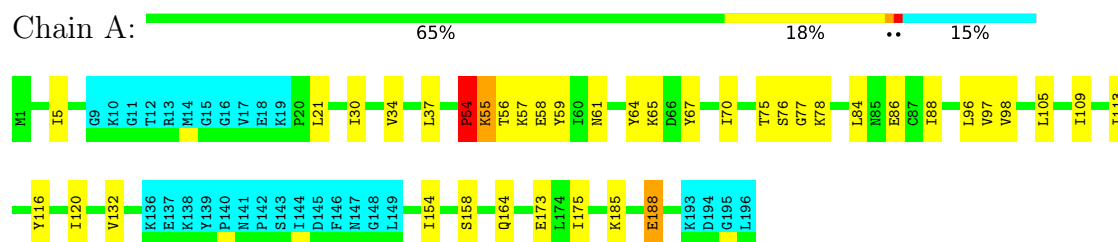
- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase





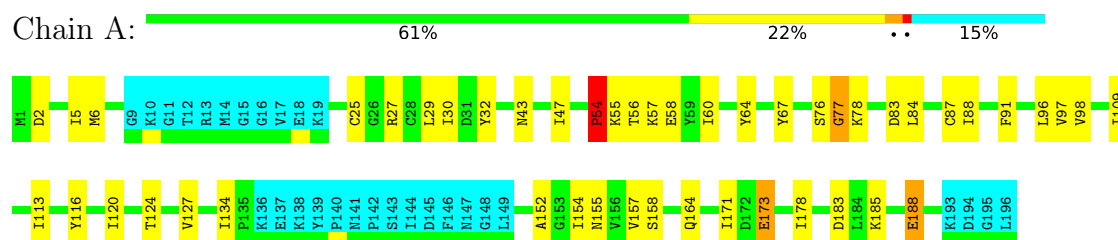
4.2.3 Score per residue for model 3

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



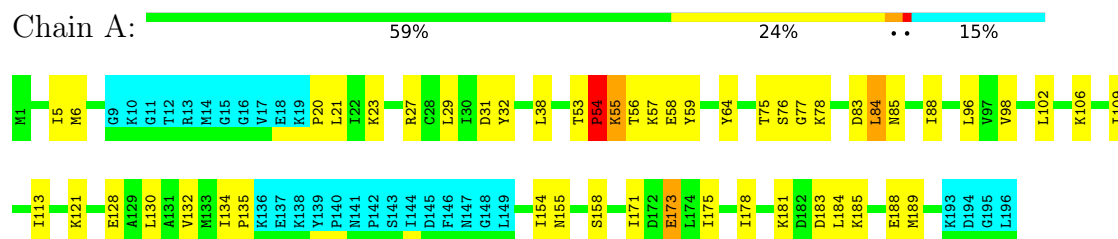
4.2.4 Score per residue for model 4

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



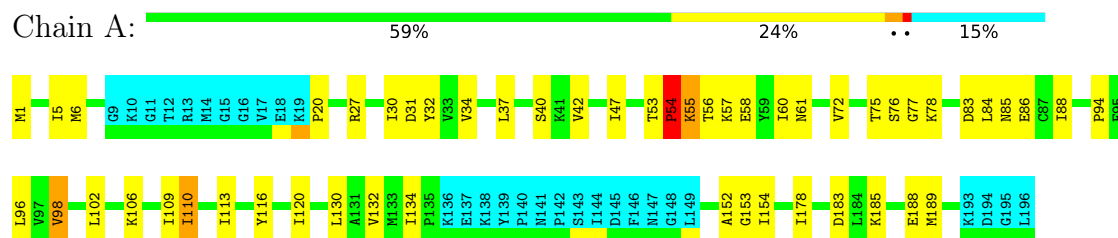
4.2.5 Score per residue for model 5

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



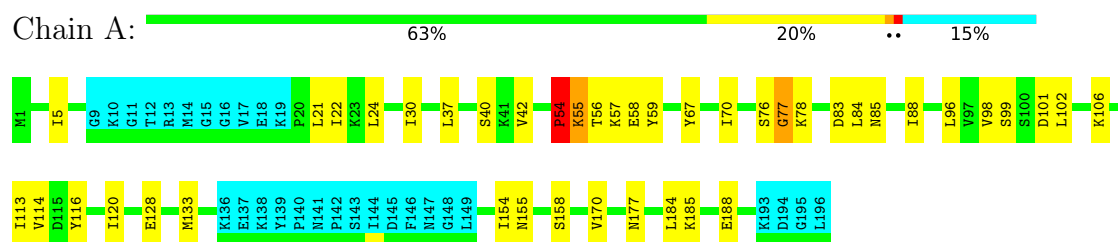
4.2.6 Score per residue for model 6

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



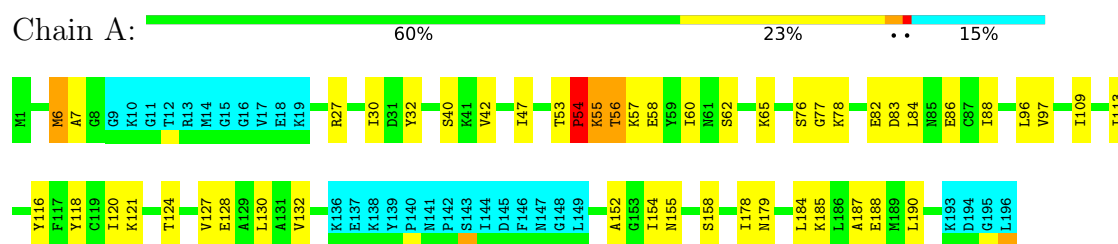
4.2.7 Score per residue for model 7

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



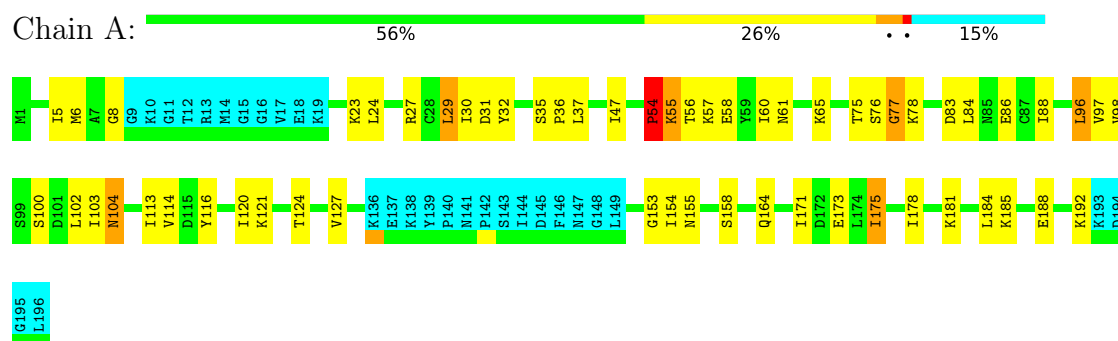
4.2.8 Score per residue for model 8

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



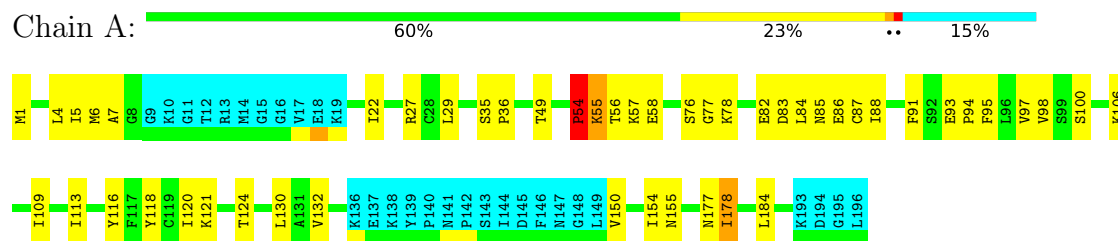
4.2.9 Score per residue for model 9

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



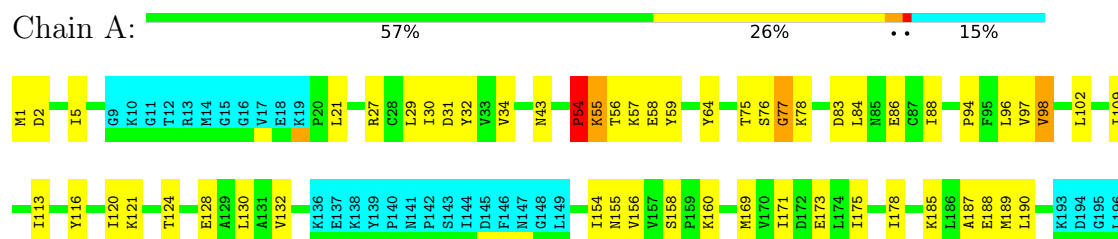
4.2.10 Score per residue for model 10

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



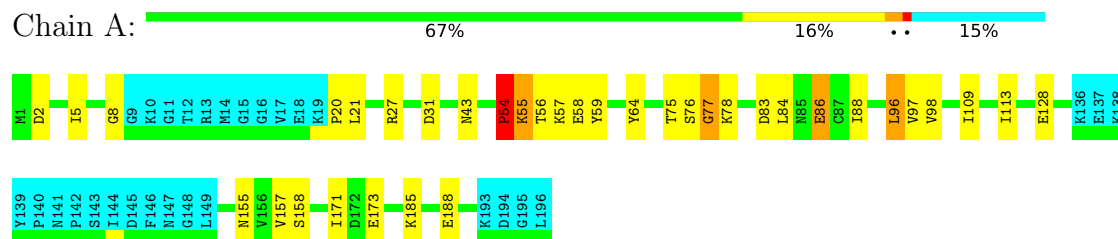
4.2.11 Score per residue for model 11

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



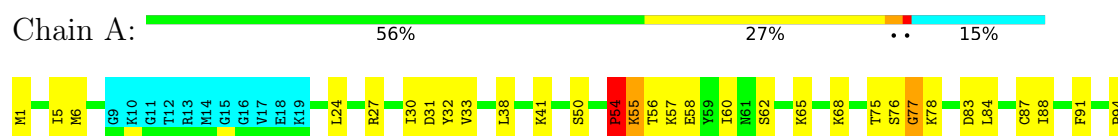
4.2.12 Score per residue for model 12

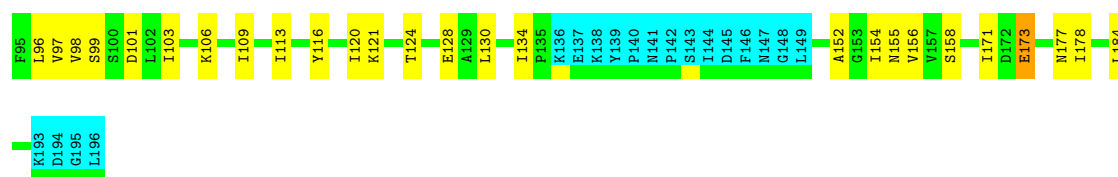
- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



4.2.13 Score per residue for model 13

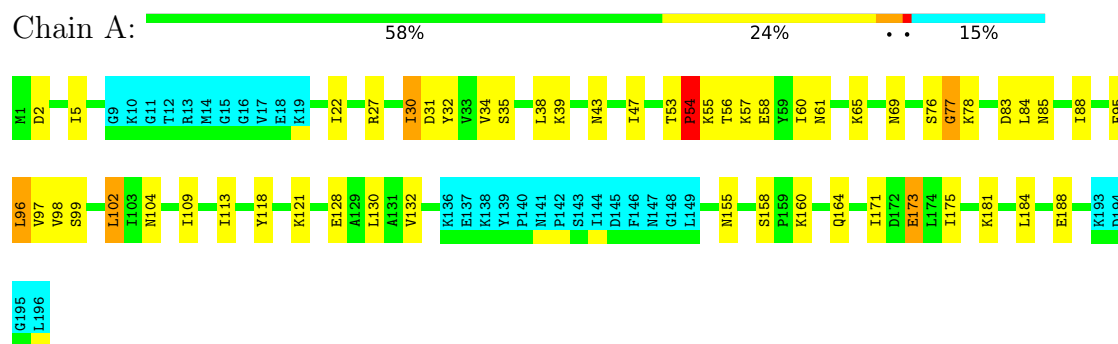
- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase





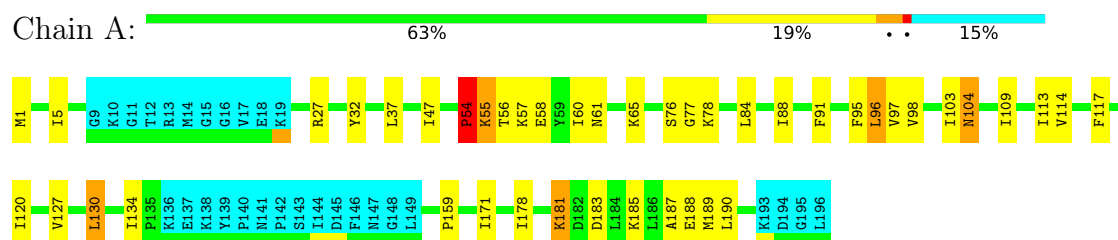
4.2.14 Score per residue for model 14

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



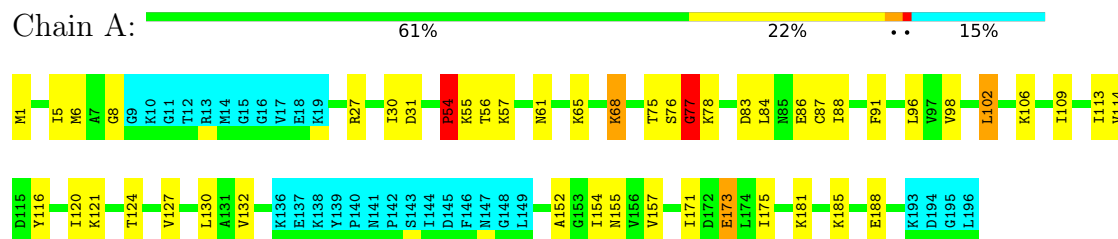
4.2.15 Score per residue for model 15

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



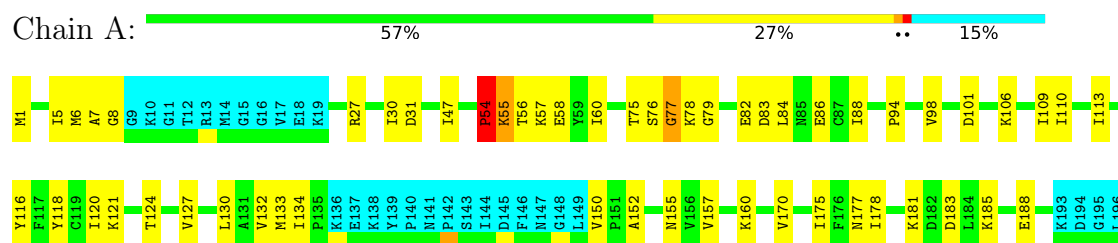
4.2.16 Score per residue for model 16

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



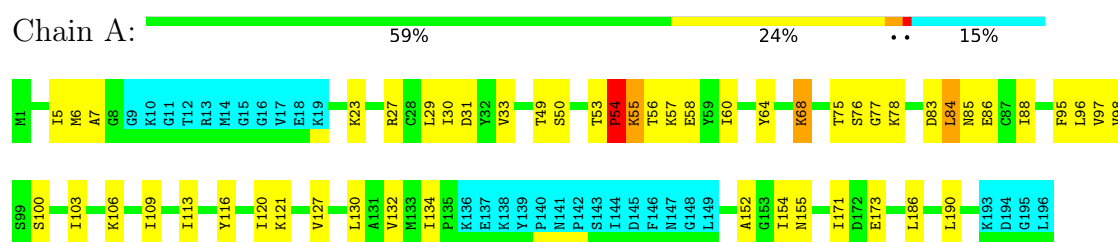
4.2.17 Score per residue for model 17

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



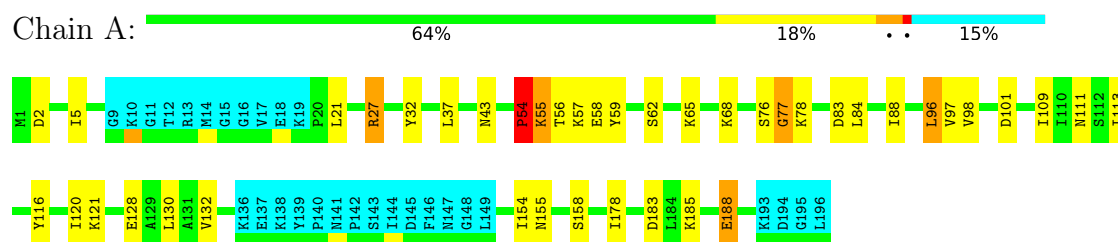
4.2.18 Score per residue for model 18

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



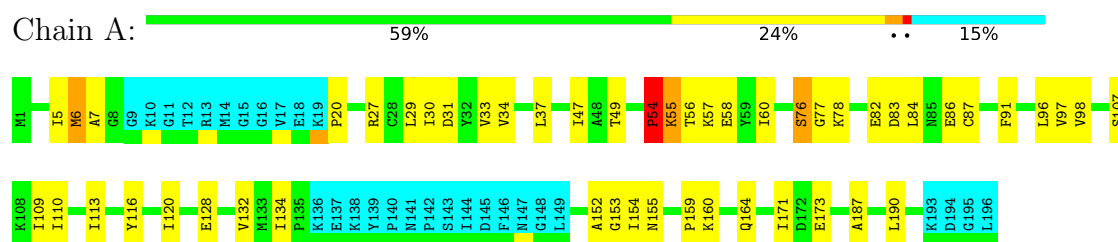
4.2.19 Score per residue for model 19 (medoid)

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



4.2.20 Score per residue for model 20

- Molecule 1: Adenosylcobinamide-phosphate guanylyltransferase



5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing, simulated annealing*.

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
X-PLOR NIH	refinement	
CYANA	structure solution	
Procheck	structure solution	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	2087
Number of shifts mapped to atoms	2087
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	83%

6 Model quality i

6.1 Standard geometry i

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	0.96±0.02	4±1/1329 (0.3± 0.0%)	0.86±0.02	0±1/1802 (0.0± 0.0%)
All	All	0.96	87/26580 (0.3%)	0.86	7/36040 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.8±0.4
All	All	0	15

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	54	PRO	C-N	-9.11	1.21	1.33	14	20
1	A	55	LYS	CA-C	-7.55	1.42	1.52	17	20
1	A	54	PRO	N-CA	-7.24	1.38	1.47	14	20
1	A	86	GLU	N-CA	-6.89	1.37	1.46	18	2
1	A	56	THR	N-CA	-6.76	1.38	1.46	8	20
1	A	54	PRO	C-O	-5.32	1.17	1.24	12	1
1	A	77	GLY	N-CA	5.26	1.52	1.45	17	2
1	A	6	MET	N-CA	-5.25	1.40	1.46	20	2

All unique angle 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(°)	Ideal(°)	Models	
								Worst	Total
1	A	105	LEU	N-CA-C	-5.23	106.85	114.12	3	1
1	A	56	THR	N-CA-C	-5.17	105.54	111.07	20	5

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	110	ILE	CB-CA-C	-5.07	105.39	111.88	6	1

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	54	PRO	Mainchain	15

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	1305	1363	1365	27±3
All	All	26100	27260	27300	546

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 10.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:27:ARG:HB2	1:A:32:TYR:CE2	0.72	2.19	2	6
1:A:109:ILE:O	1:A:113:ILE:HG12	0.66	1.89	12	18
1:A:47:ILE:HG21	1:A:60:ILE:HD13	0.66	1.67	15	9
1:A:116:TYR:CE2	1:A:120:ILE:HD11	0.64	2.28	11	15
1:A:27:ARG:HG3	1:A:32:TYR:CE2	0.64	2.27	15	1
1:A:27:ARG:HD3	1:A:31:ASP:OD1	0.63	1.94	2	7
1:A:61:ASN:O	1:A:65:LYS:HG3	0.63	1.92	3	1
1:A:54:PRO:HA	1:A:57:LYS:HB3	0.62	1.72	10	20
1:A:132:VAL:HG12	1:A:152:ALA:HB3	0.62	1.71	17	2
1:A:61:ASN:O	1:A:65:LYS:HG2	0.61	1.94	15	2
1:A:27:ARG:HD3	1:A:31:ASP:OD2	0.61	1.96	12	2
1:A:113:ILE:CD1	1:A:132:VAL:HG21	0.60	2.25	6	10
1:A:1:MET:HG3	1:A:94:PRO:O	0.60	1.96	17	2
1:A:88:ILE:HD12	1:A:160:LYS:O	0.60	1.96	17	3
1:A:106:LYS:HA	1:A:109:ILE:HD12	0.60	1.71	2	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:96:LEU:HD12	1:A:155:ASN:O	0.58	1.98	7	2
1:A:96:LEU:HD11	1:A:154:ILE:HD12	0.58	1.73	3	6
1:A:6:MET:HE2	1:A:83:ASP:CG	0.58	2.23	5	8
1:A:62:SER:O	1:A:65:LYS:HG3	0.58	1.99	19	3
1:A:187:ALA:O	1:A:190:LEU:HG	0.57	1.99	1	6
1:A:37:LEU:HD11	1:A:98:VAL:HG11	0.57	1.75	3	8
1:A:6:MET:HE1	1:A:84:LEU:HD22	0.57	1.77	5	1
1:A:181:LYS:HD3	1:A:181:LYS:H	0.57	1.60	15	1
1:A:75:THR:OG1	1:A:86:GLU:HB2	0.57	2.00	17	6
1:A:27:ARG:HB2	1:A:32:TYR:CE1	0.56	2.34	13	3
1:A:178:ILE:HG23	1:A:183:ASP:HB2	0.56	1.75	4	5
1:A:96:LEU:HD21	1:A:154:ILE:HD12	0.56	1.78	18	4
1:A:5:ILE:HA	1:A:98:VAL:HG22	0.56	1.76	13	19
1:A:1:MET:SD	1:A:114:VAL:HG22	0.56	2.41	16	2
1:A:55:LYS:HA	1:A:58:GLU:HG2	0.56	1.76	12	17
1:A:113:ILE:HG13	1:A:114:VAL:N	0.55	2.16	7	2
1:A:30:ILE:HG12	1:A:60:ILE:HD11	0.55	1.78	13	1
1:A:85:ASN:O	1:A:88:ILE:HG12	0.55	2.02	6	2
1:A:178:ILE:HD12	1:A:184:LEU:HA	0.55	1.79	9	3
1:A:68:LYS:HA	1:A:68:LYS:CE	0.54	2.32	18	3
1:A:107:SER:HA	1:A:110:ILE:HD12	0.54	1.78	20	1
1:A:102:LEU:HD22	1:A:175:ILE:HD12	0.54	1.79	1	3
1:A:97:VAL:HB	1:A:155:ASN:HB2	0.54	1.80	9	4
1:A:185:LYS:O	1:A:189:MET:HG3	0.54	2.03	2	4
1:A:22:ILE:HG21	1:A:184:LEU:HD21	0.54	1.78	7	1
1:A:185:LYS:O	1:A:188:GLU:HG2	0.53	2.03	17	4
1:A:171:ILE:HB	1:A:173:GLU:OE2	0.53	2.03	4	5
1:A:54:PRO:O	1:A:58:GLU:HG3	0.53	2.04	4	1
1:A:113:ILE:HD12	1:A:132:VAL:HG21	0.53	1.80	5	4
1:A:84:LEU:O	1:A:88:ILE:HG23	0.52	2.04	5	19
1:A:185:LYS:O	1:A:188:GLU:HG3	0.52	2.04	4	5
1:A:101:ASP:OD2	1:A:177:ASN:HA	0.52	2.05	7	1
1:A:128:GLU:HB3	1:A:158:SER:HB2	0.52	1.82	8	2
1:A:184:LEU:O	1:A:188:GLU:HG2	0.52	2.05	14	1
1:A:152:ALA:HA	1:A:175:ILE:HD13	0.52	1.82	16	1
1:A:76:SER:O	1:A:78:LYS:N	0.51	2.43	17	19
1:A:121:LYS:C	1:A:121:LYS:HD2	0.51	2.30	13	2
1:A:113:ILE:HG13	1:A:154:ILE:HD11	0.51	1.83	6	1
1:A:96:LEU:HD13	1:A:97:VAL:N	0.51	2.21	3	5
1:A:33:VAL:HA	1:A:106:LYS:NZ	0.51	2.21	13	1
1:A:88:ILE:HG22	1:A:95:PHE:CZ	0.51	2.41	18	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:30:ILE:O	1:A:34:VAL:HG23	0.50	2.06	6	5
1:A:124:THR:O	1:A:127:VAL:HG12	0.50	2.06	16	5
1:A:6:MET:HE3	1:A:83:ASP:CG	0.50	2.32	9	3
1:A:103:ILE:O	1:A:104:ASN:HB2	0.50	2.07	9	2
1:A:186:LEU:O	1:A:190:LEU:HG	0.50	2.07	18	1
1:A:1:MET:O	1:A:42:VAL:HG23	0.50	2.07	1	1
1:A:113:ILE:HG13	1:A:154:ILE:CG1	0.50	2.36	11	5
1:A:31:ASP:HA	1:A:64:TYR:OH	0.50	2.06	2	4
1:A:188:GLU:O	1:A:192:LYS:HG3	0.50	2.06	9	1
1:A:120:ILE:HG22	1:A:127:VAL:HG11	0.50	1.83	9	5
1:A:96:LEU:HD11	1:A:154:ILE:HB	0.49	1.83	9	2
1:A:181:LYS:H	1:A:181:LYS:HD2	0.49	1.67	17	1
1:A:1:MET:HB2	1:A:94:PRO:O	0.49	2.06	13	1
1:A:128:GLU:HB3	1:A:164:GLN:OE1	0.49	2.07	14	1
1:A:21:LEU:HD21	1:A:59:TYR:CB	0.49	2.37	3	2
1:A:29:LEU:O	1:A:33:VAL:HG23	0.49	2.08	18	2
1:A:116:TYR:O	1:A:120:ILE:HG13	0.49	2.06	7	2
1:A:68:LYS:HD3	1:A:68:LYS:C	0.49	2.32	13	1
1:A:93:GLU:HB2	1:A:94:PRO:HD2	0.49	1.85	10	1
1:A:6:MET:O	1:A:100:SER:HB3	0.49	2.07	10	1
1:A:77:GLY:HA2	1:A:83:ASP:HB2	0.48	1.86	19	11
1:A:118:TYR:HA	1:A:121:LYS:HG2	0.48	1.85	14	4
1:A:128:GLU:HB3	1:A:158:SER:CB	0.48	2.39	19	3
1:A:152:ALA:HB1	1:A:171:ILE:HD11	0.48	1.84	1	1
1:A:50:SER:HA	1:A:75:THR:O	0.48	2.07	13	1
1:A:188:GLU:O	1:A:192:LYS:HG2	0.48	2.09	2	1
1:A:185:LYS:HA	1:A:188:GLU:HG2	0.48	1.85	11	5
1:A:61:ASN:O	1:A:65:LYS:HB3	0.48	2.08	9	2
1:A:87:CYS:O	1:A:91:PHE:HD1	0.48	1.90	2	5
1:A:106:LYS:O	1:A:109:ILE:HB	0.48	2.08	6	1
1:A:82:GLU:O	1:A:86:GLU:HG2	0.48	2.08	10	3
1:A:7:ALA:CB	1:A:30:ILE:HD12	0.48	2.38	17	1
1:A:21:LEU:HD22	1:A:59:TYR:CD2	0.48	2.43	11	4
1:A:121:LYS:HA	1:A:124:THR:O	0.48	2.08	10	5
1:A:78:LYS:HD2	1:A:78:LYS:C	0.47	2.34	17	4
1:A:134:ILE:HG12	1:A:152:ALA:HB2	0.47	1.87	2	4
1:A:40:SER:HB2	1:A:110:ILE:HG21	0.47	1.85	6	1
1:A:97:VAL:HB	1:A:155:ASN:HB3	0.47	1.87	1	9
1:A:158:SER:HB2	1:A:164:GLN:OE1	0.47	2.09	3	4
1:A:99:SER:HB2	1:A:102:LEU:CD1	0.47	2.40	7	1
1:A:171:ILE:HD12	1:A:173:GLU:HB2	0.47	1.85	20	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:117:PHE:CD1	1:A:130:LEU:HB2	0.47	2.44	1	2
1:A:40:SER:OG	1:A:42:VAL:HG12	0.46	2.10	8	4
1:A:24:LEU:HD22	1:A:188:GLU:HB3	0.46	1.87	7	1
1:A:54:PRO:O	1:A:58:GLU:HG2	0.46	2.11	12	6
1:A:102:LEU:HD22	1:A:175:ILE:HD13	0.46	1.86	5	1
1:A:7:ALA:HB1	1:A:56:THR:HG21	0.46	1.86	8	1
1:A:178:ILE:HG21	1:A:184:LEU:HD23	0.46	1.88	5	1
1:A:134:ILE:HG23	1:A:152:ALA:HB2	0.46	1.88	6	2
1:A:6:MET:CE	1:A:84:LEU:HD22	0.46	2.39	5	2
1:A:2:ASP:OD1	1:A:43:ASN:HB3	0.46	2.11	19	5
1:A:24:LEU:HD11	1:A:188:GLU:HB3	0.46	1.88	9	1
1:A:50:SER:HB2	1:A:53:THR:OG1	0.46	2.10	18	1
1:A:75:THR:OG1	1:A:86:GLU:HG2	0.45	2.10	12	1
1:A:101:ASP:OD2	1:A:177:ASN:HB2	0.45	2.11	17	1
1:A:134:ILE:HB	1:A:135:PRO:HD2	0.45	1.89	5	1
1:A:91:PHE:O	1:A:159:PRO:HB3	0.45	2.11	15	2
1:A:109:ILE:HD11	1:A:173:GLU:CD	0.45	2.36	3	1
1:A:1:MET:HA	1:A:94:PRO:O	0.45	2.12	11	1
1:A:116:TYR:CE2	1:A:169:MET:HB2	0.45	2.46	11	1
1:A:78:LYS:HD3	1:A:78:LYS:C	0.45	2.36	9	1
1:A:132:VAL:HG13	1:A:152:ALA:HB3	0.45	1.89	8	1
1:A:35:SER:O	1:A:39:LYS:HG2	0.45	2.12	14	1
1:A:120:ILE:CG2	1:A:127:VAL:HG21	0.45	2.42	15	1
1:A:22:ILE:O	1:A:29:LEU:HG	0.44	2.12	10	1
1:A:30:ILE:HG12	1:A:60:ILE:CD1	0.44	2.41	13	1
1:A:99:SER:HB3	1:A:102:LEU:CD2	0.44	2.43	14	1
1:A:27:ARG:HG2	1:A:32:TYR:CE2	0.44	2.47	4	1
1:A:96:LEU:HD22	1:A:155:ASN:O	0.44	2.13	2	1
1:A:128:GLU:HB2	1:A:164:GLN:OE1	0.44	2.12	20	1
1:A:175:ILE:HD12	1:A:175:ILE:O	0.44	2.13	3	1
1:A:38:LEU:C	1:A:38:LEU:HD23	0.44	2.38	5	2
1:A:132:VAL:HG12	1:A:154:ILE:O	0.44	2.13	1	2
1:A:64:TYR:O	1:A:67:TYR:HB3	0.44	2.13	3	2
1:A:171:ILE:HB	1:A:173:GLU:OE1	0.44	2.13	11	1
1:A:27:ARG:HG2	1:A:32:TYR:CD2	0.44	2.48	19	1
1:A:133:MET:O	1:A:170:VAL:HA	0.43	2.12	7	2
1:A:171:ILE:HD12	1:A:173:GLU:HG2	0.43	1.90	13	1
1:A:181:LYS:HD2	1:A:181:LYS:N	0.43	2.28	17	1
1:A:29:LEU:HB3	1:A:100:SER:O	0.43	2.13	2	1
1:A:67:TYR:HB2	1:A:70:ILE:HB	0.43	1.89	7	2
1:A:75:THR:HG23	1:A:83:ASP:CG	0.43	2.38	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:23:LYS:H	1:A:23:LYS:HD2	0.43	1.73	18	1
1:A:103:ILE:O	1:A:106:LYS:HE2	0.43	2.14	18	1
1:A:98:VAL:HG12	1:A:154:ILE:HG22	0.43	1.90	1	1
1:A:102:LEU:HD12	1:A:102:LEU:O	0.43	2.14	16	2
1:A:40:SER:OG	1:A:42:VAL:HG22	0.43	2.14	6	1
1:A:61:ASN:OD1	1:A:72:VAL:HG11	0.43	2.13	6	1
1:A:85:ASN:HA	1:A:88:ILE:HG12	0.43	1.90	18	4
1:A:29:LEU:HD22	1:A:100:SER:O	0.43	2.14	9	1
1:A:128:GLU:HB3	1:A:158:SER:OG	0.43	2.13	11	2
1:A:87:CYS:O	1:A:91:PHE:HD2	0.43	1.96	16	1
1:A:96:LEU:HD23	1:A:156:VAL:HG22	0.43	1.91	13	2
1:A:178:ILE:HD13	1:A:183:ASP:OD2	0.43	2.13	17	1
1:A:160:LYS:HB3	1:A:164:GLN:NE2	0.43	2.28	20	1
1:A:134:ILE:HG22	1:A:171:ILE:O	0.42	2.13	20	2
1:A:7:ALA:O	1:A:49:THR:HG22	0.42	2.14	10	3
1:A:104:ASN:CB	1:A:175:ILE:HG22	0.42	2.44	14	1
1:A:54:PRO:HA	1:A:57:LYS:CB	0.42	2.45	4	1
1:A:27:ARG:HD2	1:A:31:ASP:OD1	0.42	2.15	16	1
1:A:5:ILE:HD11	1:A:37:LEU:HD12	0.42	1.91	7	3
1:A:84:LEU:HD11	1:A:97:VAL:CG2	0.42	2.45	2	1
1:A:24:LEU:HD21	1:A:184:LEU:HD12	0.42	1.92	13	1
1:A:78:LYS:HD3	1:A:78:LYS:O	0.42	2.15	9	1
1:A:55:LYS:HA	1:A:58:GLU:CG	0.42	2.45	12	2
1:A:120:ILE:CG2	1:A:127:VAL:HG11	0.42	2.45	16	2
1:A:33:VAL:HG21	1:A:100:SER:HA	0.42	1.92	18	1
1:A:121:LYS:HD2	1:A:127:VAL:HG13	0.41	1.90	18	1
1:A:31:ASP:HA	1:A:34:VAL:HG12	0.41	1.91	1	1
1:A:67:TYR:HB2	1:A:70:ILE:O	0.41	2.15	1	1
1:A:155:ASN:OD1	1:A:157:VAL:HG13	0.41	2.15	4	4
1:A:128:GLU:O	1:A:158:SER:HB2	0.41	2.14	5	1
1:A:79:GLY:HA3	1:A:82:GLU:OE1	0.41	2.15	17	1
1:A:35:SER:HB2	1:A:36:PRO:HD3	0.41	1.93	10	1
1:A:154:ILE:N	1:A:154:ILE:HD12	0.41	2.30	10	2
1:A:109:ILE:HD11	1:A:173:GLU:HG3	0.41	1.93	16	1
1:A:7:ALA:HB3	1:A:30:ILE:HD12	0.41	1.90	17	1
1:A:23:LYS:HD3	1:A:23:LYS:H	0.41	1.76	5	1
1:A:106:LYS:O	1:A:110:ILE:HG13	0.41	2.16	2	2
1:A:181:LYS:HD3	1:A:181:LYS:N	0.41	2.29	15	1
1:A:68:LYS:C	1:A:68:LYS:CD	0.41	2.93	13	1
1:A:134:ILE:HG23	1:A:152:ALA:CB	0.41	2.45	20	1
1:A:5:ILE:HA	1:A:98:VAL:CG2	0.40	2.46	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:99:SER:HB3	1:A:101:ASP:OD1	0.40	2.16	13	1
1:A:3:ALA:HB2	1:A:42:VAL:HG21	0.40	1.93	1	1
1:A:35:SER:HB3	1:A:36:PRO:HD3	0.40	1.93	9	1
1:A:185:LYS:HA	1:A:188:GLU:CG	0.40	2.46	5	1
1:A:4:LEU:O	1:A:98:VAL:HG22	0.40	2.16	10	1
1:A:84:LEU:HD11	1:A:97:VAL:HG21	0.40	1.91	12	1
1:A:185:LYS:O	1:A:189:MET:HG2	0.40	2.16	15	1
1:A:75:THR:OG1	1:A:76:SER:N	0.40	2.53	5	1
1:A:30:ILE:HD13	1:A:60:ILE:CD1	0.40	2.46	17	1
1:A:1:MET:SD	1:A:95:PHE:HA	0.40	2.57	10	1
1:A:38:LEU:HD12	1:A:69:ASN:HD21	0.40	1.77	14	1
1:A:60:ILE:HG23	1:A:64:TYR:CD2	0.40	2.51	18	1

6.3 Torsion angles

6.3.1 Protein backbone

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	166/196 (85%)	156±2 (94±1%)	8±2 (5±1%)	3±1 (2±1%)	9	52
All	All	3320/3920 (85%)	3111 (94%)	150 (5%)	59 (2%)	9	52

All 10 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	54	PRO	20
1	A	77	GLY	20
1	A	8	GLY	5
1	A	153	GLY	4
1	A	104	ASN	3
1	A	178	ILE	3
1	A	25	CYS	1
1	A	41	LYS	1
1	A	103	ILE	1
1	A	76	SER	1

6.3.2 Protein sidechains ⓘ

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	151/174 (87%)	148±2 (98±1%)	4±2 (2±1%)	44 89
All	All	3020/3480 (87%)	2950 (98%)	70 (2%)	44 89

All 20 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	130	LEU	14
1	A	30	ILE	7
1	A	181	LYS	6
1	A	53	THR	5
1	A	173	GLU	5
1	A	96	LEU	5
1	A	29	LEU	4
1	A	188	GLU	3
1	A	84	LEU	3
1	A	121	LYS	3
1	A	98	VAL	2
1	A	175	ILE	2
1	A	27	ARG	2
1	A	102	LEU	2
1	A	68	LYS	2
1	A	108	LYS	1
1	A	155	ASN	1
1	A	106	LYS	1
1	A	23	LYS	1
1	A	111	ASN	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 83% for the well-defined parts and 78% 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	2087
Number of shifts mapped to atoms	2087
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	180	-0.00 ± 0.13	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	168	0.26 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	149	0.80 ± 0.36	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 83%, i.e. 1924 atoms were assigned a chemical shift out of a possible 2309. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	635/824 (77%)	331/332 (100%)	164/334 (49%)	140/158 (89%)
Sidechain	1242/1347 (92%)	879/886 (99%)	356/429 (83%)	7/32 (22%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	47/138 (34%)	47/65 (72%)	0/72 (0%)	0/1 (0%)
Overall	1924/2309 (83%)	1257/1283 (98%)	520/835 (62%)	147/191 (77%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 78%, i.e. 2084 atoms were assigned a chemical shift out of a possible 2686. 0 out of 33 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	693/971 (71%)	364/394 (92%)	180/392 (46%)	149/185 (81%)
Sidechain	1340/1558 (86%)	953/1020 (93%)	380/496 (77%)	7/42 (17%)
Aromatic	51/157 (32%)	51/74 (69%)	0/82 (0%)	0/1 (0%)
Overall	2084/2686 (78%)	1368/1488 (92%)	560/970 (58%)	156/228 (68%)

7.1.4 Statistically unusual chemical shifts [i](#)

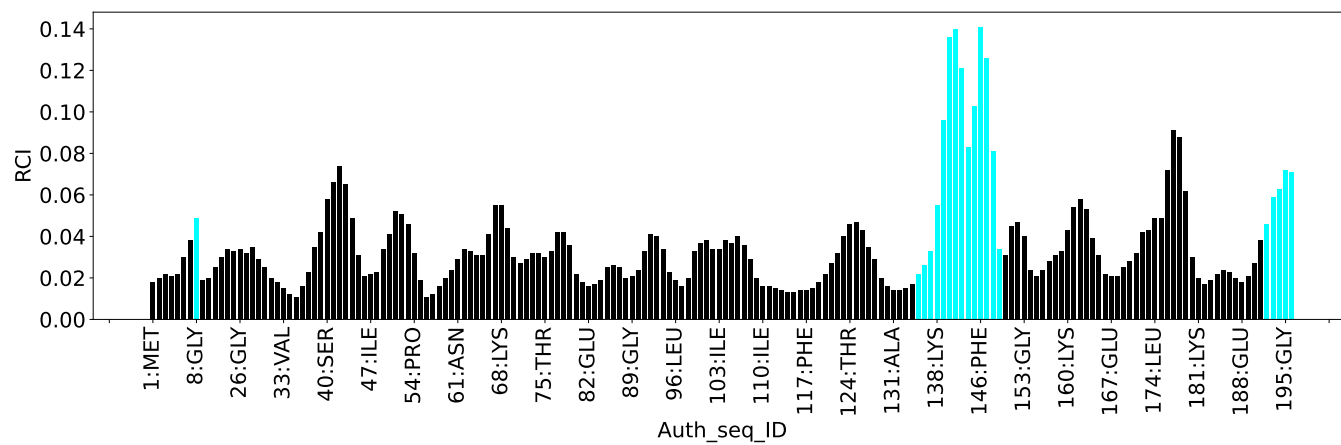
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	56	THR	HG1	6.20	0.08 – 2.19	24.0

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2854
Intra-residue ($ i-j =0$)	899
Sequential ($ i-j =1$)	799
Medium range ($ i-j >1$ and $ i-j <5$)	415
Long range ($ i-j \geq 5$)	741
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	615
Number of unmapped restraints	0
Number of restraints per residue	17.7
Number of long range restraints per residue ¹	3.8

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	71.3	0.2
0.2-0.5 (Medium)	54.4	0.5
>0.5 (Large)	1.4	1.07

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)	20.6	9.84
10.0-20.0 (Medium)	6.3	19.96
>20.0 (Large)	9.6	149.73

9 Distance violation analysis ⓘ

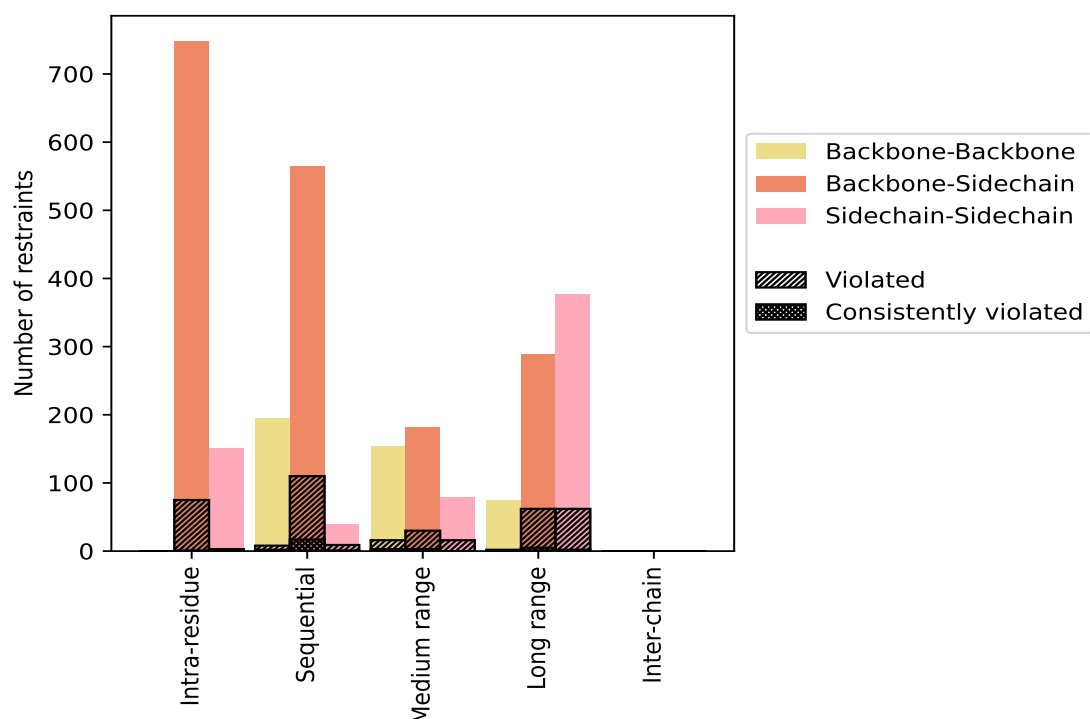
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	899	31.5	78	8.7	2.7	1	0.1	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	748	26.2	75	10.0	2.6	1	0.1	0.0
Sidechain-Sidechain	151	5.3	3	2.0	0.1	0	0.0	0.0
Sequential (i-j =1)	799	28.0	127	15.9	4.4	20	2.5	0.7
Backbone-Backbone	195	6.8	8	4.1	0.3	2	1.0	0.1
Backbone-Sidechain	565	19.8	110	19.5	3.9	17	3.0	0.6
Sidechain-Sidechain	39	1.4	9	23.1	0.3	1	2.6	0.0
Medium range (i-j >1 & i-j <5)	415	14.5	62	14.9	2.2	6	1.4	0.2
Backbone-Backbone	154	5.4	16	10.4	0.6	3	1.9	0.1
Backbone-Sidechain	182	6.4	30	16.5	1.1	3	1.6	0.1
Sidechain-Sidechain	79	2.8	16	20.3	0.6	0	0.0	0.0
Long range (i-j ≥5)	741	26.0	126	17.0	4.4	7	0.9	0.2
Backbone-Backbone	75	2.6	2	2.7	0.1	0	0.0	0.0
Backbone-Sidechain	289	10.1	62	21.5	2.2	5	1.7	0.2
Sidechain-Sidechain	377	13.2	62	16.4	2.2	2	0.5	0.1
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	2854	100.0	393	13.8	13.8	34	1.2	1.2
Backbone-Backbone	424	14.9	26	6.1	0.9	5	1.2	0.2
Backbone-Sidechain	1784	62.5	277	15.5	9.7	26	1.5	0.9
Sidechain-Sidechain	646	22.6	90	13.9	3.2	3	0.5	0.1

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

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



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

9.2 Distance violation statistics for each model [i](#)

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	21	49	21	38	0	129	0.21	0.57	0.09	0.2
2	21	56	20	38	0	135	0.21	0.6	0.1	0.19
3	21	46	23	36	0	126	0.21	0.54	0.09	0.18
4	21	48	20	39	0	128	0.21	0.52	0.1	0.18
5	21	52	19	40	0	132	0.22	0.73	0.1	0.19
6	25	42	17	36	0	120	0.23	0.8	0.11	0.2
7	23	56	23	39	0	141	0.21	0.55	0.1	0.18
8	29	51	18	39	0	137	0.22	0.54	0.1	0.19
9	18	53	22	37	0	130	0.21	0.53	0.1	0.19
10	29	51	16	38	0	134	0.21	0.51	0.11	0.17

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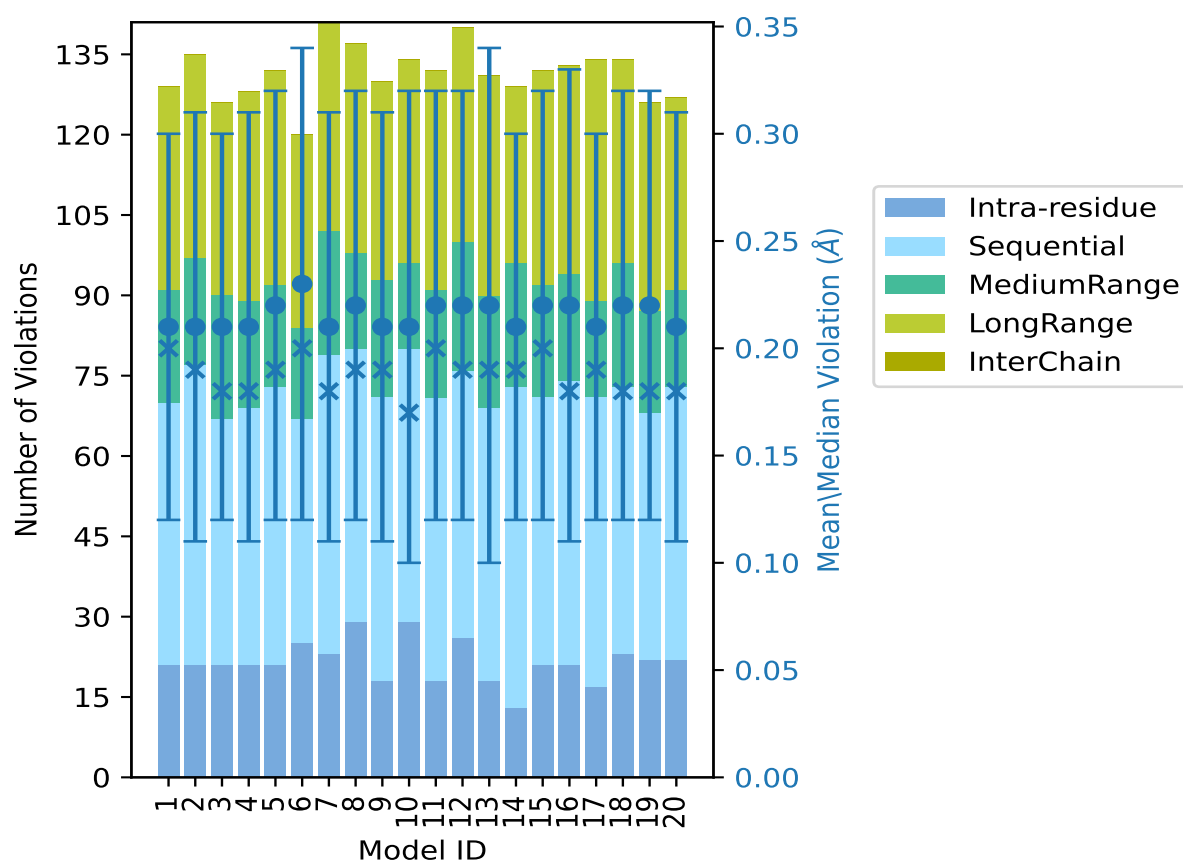
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	18	53	20	41	0	132	0.22	0.5	0.1	0.2
12	26	50	24	40	0	140	0.22	0.55	0.1	0.19
13	18	51	21	41	0	131	0.22	1.07	0.12	0.19
14	13	60	23	33	0	129	0.21	0.53	0.09	0.19
15	21	50	21	40	0	132	0.22	0.61	0.1	0.2
16	21	53	20	39	0	133	0.22	0.61	0.11	0.18
17	17	54	18	45	0	134	0.21	0.41	0.09	0.19
18	23	50	23	38	0	134	0.22	0.51	0.1	0.18
19	22	46	19	39	0	126	0.22	0.55	0.1	0.18
20	22	51	18	36	0	127	0.21	0.58	0.1	0.18

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

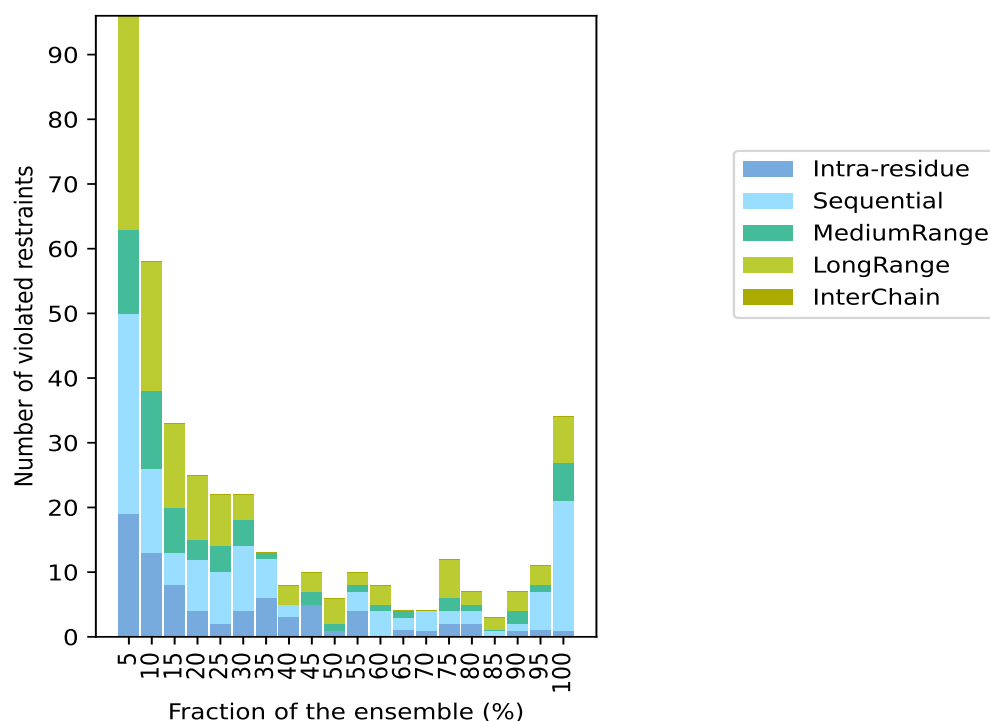
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2461(IR:821, SQ:672, MR:353, LR:615, IC:0) restraints are 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	%
19	31	13	33	0	96	1	5.0
13	13	12	20	0	58	2	10.0
8	5	7	13	0	33	3	15.0
4	8	3	10	0	25	4	20.0
2	8	4	8	0	22	5	25.0
4	10	4	4	0	22	6	30.0
6	6	1	0	0	13	7	35.0
3	2	0	3	0	8	8	40.0
5	0	2	3	0	10	9	45.0
1	0	1	4	0	6	10	50.0
4	3	1	2	0	10	11	55.0
0	4	1	3	0	8	12	60.0
1	2	1	0	0	4	13	65.0
1	3	0	0	0	4	14	70.0
2	2	2	6	0	12	15	75.0
2	2	1	2	0	7	16	80.0
0	1	0	2	0	3	17	85.0
1	1	2	3	0	7	18	90.0
1	6	1	3	0	11	19	95.0
1	20	6	7	0	34	20	100.0

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

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

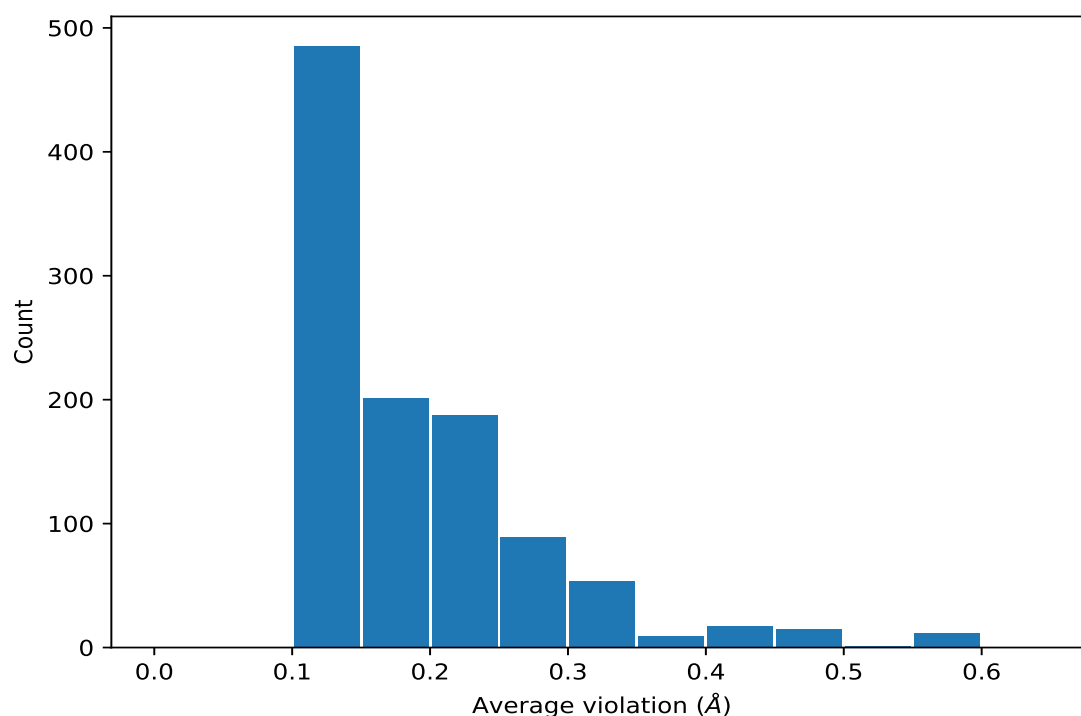
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	20	0.47	0.11	0.46
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	20	0.47	0.11	0.46
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	20	0.41	0.05	0.4
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	20	0.4	0.02	0.4
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	20	0.4	0.07	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	20	0.4	0.07	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	20	0.4	0.07	0.42
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	20	0.4	0.18	0.36
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	20	0.36	0.06	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	20	0.36	0.06	0.36
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	20	0.36	0.06	0.36
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	20	0.34	0.06	0.38
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	20	0.34	0.03	0.34
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	20	0.34	0.03	0.34
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	20	0.34	0.03	0.34
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	20	0.33	0.04	0.32
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	20	0.33	0.04	0.32
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	20	0.33	0.04	0.32
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	20	0.33	0.05	0.32
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	20	0.32	0.03	0.32
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	20	0.31	0.05	0.33
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	20	0.31	0.03	0.31
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	20	0.31	0.03	0.31
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	20	0.31	0.03	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	20	0.3	0.04	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	20	0.3	0.04	0.31
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	20	0.29	0.09	0.31
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	20	0.29	0.09	0.31
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	20	0.29	0.09	0.31
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	20	0.29	0.04	0.3
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	20	0.29	0.04	0.3
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	20	0.29	0.04	0.3
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	20	0.28	0.07	0.27
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	20	0.28	0.07	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	20	0.26	0.06	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	20	0.26	0.06	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	20	0.26	0.06	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	20	0.26	0.06	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	20	0.26	0.06	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	20	0.26	0.06	0.26
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	20	0.26	0.04	0.28
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	20	0.26	0.04	0.28
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	20	0.25	0.04	0.24
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	20	0.25	0.04	0.24
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	20	0.25	0.04	0.24
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	20	0.23	0.05	0.24
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	20	0.23	0.05	0.24
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	20	0.23	0.05	0.24
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	20	0.23	0.01	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	20	0.22	0.02	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	20	0.22	0.02	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	20	0.21	0.03	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	20	0.21	0.04	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	20	0.21	0.04	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	20	0.21	0.04	0.22
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	20	0.19	0.03	0.19
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	20	0.19	0.03	0.19
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	20	0.19	0.02	0.19
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	20	0.19	0.03	0.19
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	20	0.18	0.04	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	20	0.18	0.04	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	20	0.18	0.04	0.17
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	20	0.17	0.04	0.16
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	20	0.17	0.04	0.16
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	20	0.17	0.04	0.16
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	20	0.17	0.02	0.16
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	20	0.16	0.03	0.16
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	20	0.16	0.04	0.16
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	20	0.13	0.02	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	20	0.13	0.02	0.13
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	19	0.38	0.05	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	19	0.38	0.05	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	19	0.38	0.05	0.39
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	19	0.32	0.06	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	19	0.32	0.06	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	19	0.32	0.06	0.33
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	19	0.24	0.05	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	19	0.24	0.05	0.25
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	19	0.2	0.04	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	19	0.2	0.04	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	19	0.2	0.04	0.22
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	19	0.2	0.02	0.2
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	19	0.2	0.02	0.2
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	19	0.2	0.02	0.2
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	19	0.19	0.01	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	19	0.19	0.01	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	19	0.19	0.01	0.19
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	19	0.18	0.02	0.18
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	19	0.18	0.02	0.18
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	19	0.18	0.02	0.18
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	19	0.18	0.02	0.18
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	19	0.18	0.02	0.18
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	19	0.18	0.02	0.18
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	19	0.16	0.03	0.17
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	19	0.16	0.04	0.14
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	19	0.16	0.04	0.14
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	19	0.16	0.04	0.14
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	19	0.16	0.04	0.14
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	19	0.16	0.04	0.14
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	19	0.16	0.04	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	19	0.15	0.02	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	19	0.15	0.02	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	19	0.15	0.02	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	19	0.15	0.02	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	19	0.15	0.02	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	19	0.15	0.02	0.15
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	19	0.15	0.03	0.15
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	19	0.15	0.03	0.15
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	19	0.15	0.03	0.15
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	18	0.35	0.13	0.31
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	18	0.35	0.13	0.31
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	18	0.31	0.08	0.32
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	18	0.31	0.08	0.32
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	18	0.31	0.08	0.32
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	18	0.23	0.06	0.24
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	18	0.22	0.08	0.2
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	18	0.22	0.08	0.2
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	18	0.22	0.08	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	18	0.22	0.08	0.2
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	18	0.22	0.08	0.2
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	18	0.22	0.08	0.2
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	18	0.21	0.06	0.22
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	18	0.21	0.06	0.22
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	18	0.21	0.06	0.22
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	18	0.21	0.06	0.22
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	18	0.21	0.06	0.22
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	18	0.21	0.06	0.22
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	18	0.15	0.04	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	18	0.15	0.04	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	18	0.15	0.04	0.14
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	18	0.12	0.01	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	18	0.12	0.01	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	18	0.12	0.01	0.12
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	17	0.43	0.07	0.45
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	17	0.43	0.07	0.45
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	17	0.43	0.07	0.45
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	17	0.26	0.09	0.23
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	17	0.26	0.09	0.23
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	17	0.18	0.06	0.19
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	17	0.18	0.06	0.19
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	17	0.18	0.06	0.19
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	16	0.43	0.1	0.44
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	16	0.43	0.1	0.44
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	16	0.43	0.1	0.44
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	16	0.23	0.05	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	16	0.23	0.05	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	16	0.23	0.05	0.22
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	16	0.23	0.09	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	16	0.23	0.09	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	16	0.23	0.09	0.2
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	16	0.19	0.07	0.18
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	16	0.19	0.07	0.18
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	16	0.19	0.07	0.18
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	16	0.19	0.07	0.18
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	16	0.19	0.07	0.18
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	16	0.19	0.07	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	16	0.17	0.02	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	16	0.17	0.02	0.18
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	16	0.16	0.03	0.18
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	16	0.16	0.03	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	16	0.16	0.03	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	16	0.16	0.03	0.16
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	16	0.16	0.03	0.16
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	15	0.3	0.07	0.32
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	15	0.3	0.07	0.32
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	15	0.3	0.07	0.32
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	15	0.28	0.03	0.29
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	15	0.28	0.05	0.29
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	15	0.28	0.05	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	15	0.26	0.08	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	15	0.26	0.08	0.29
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	15	0.26	0.11	0.25
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	15	0.26	0.11	0.25
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	15	0.26	0.11	0.25
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	15	0.26	0.11	0.25
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	15	0.26	0.11	0.25
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	15	0.26	0.11	0.25
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	15	0.21	0.04	0.22
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	15	0.21	0.04	0.22
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	15	0.21	0.04	0.22
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	15	0.19	0.1	0.16
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	15	0.19	0.1	0.16
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	15	0.19	0.1	0.16
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	15	0.18	0.06	0.19
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	15	0.18	0.06	0.19
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	15	0.18	0.06	0.19
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	15	0.17	0.04	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	15	0.17	0.04	0.17
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	15	0.17	0.04	0.17
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	15	0.16	0.04	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	15	0.15	0.02	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	15	0.15	0.02	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	15	0.15	0.02	0.15
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	15	0.15	0.03	0.15
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	15	0.15	0.03	0.15
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	15	0.15	0.03	0.15
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	14	0.35	0.04	0.34
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	14	0.28	0.03	0.29
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	14	0.28	0.03	0.29
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	14	0.28	0.03	0.29
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	14	0.2	0.01	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	14	0.2	0.01	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	14	0.2	0.01	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	14	0.2	0.01	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	14	0.2	0.01	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	14	0.2	0.01	0.2
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	14	0.13	0.02	0.12
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	13	0.26	0.06	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	13	0.26	0.06	0.28
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	13	0.13	0.01	0.13
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	13	0.13	0.02	0.13
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	13	0.13	0.02	0.13
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	13	0.13	0.02	0.13
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	12	0.25	0.06	0.25
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	12	0.25	0.06	0.25
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	12	0.25	0.06	0.25
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	12	0.21	0.03	0.22
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	12	0.2	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	12	0.2	0.06	0.2
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	12	0.2	0.06	0.2
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	12	0.2	0.02	0.2
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	12	0.2	0.06	0.2
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	12	0.2	0.06	0.2
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	12	0.16	0.03	0.16
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	12	0.16	0.03	0.16
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	12	0.16	0.03	0.16
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	12	0.15	0.03	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	12	0.15	0.03	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	12	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	12	0.15	0.03	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	12	0.15	0.03	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	12	0.15	0.03	0.15
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	12	0.15	0.04	0.15
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	11	0.4	0.01	0.4
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	11	0.23	0.01	0.23
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	11	0.23	0.01	0.23
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	11	0.19	0.06	0.2
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	11	0.19	0.06	0.2
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	11	0.19	0.06	0.2
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	11	0.19	0.06	0.2
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	11	0.19	0.06	0.2
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	11	0.19	0.06	0.2
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	11	0.18	0.01	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	11	0.17	0.03	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	11	0.17	0.03	0.18
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	11	0.16	0.04	0.15
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	11	0.16	0.04	0.15
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	11	0.16	0.04	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	11	0.14	0.03	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	11	0.14	0.03	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	11	0.13	0.01	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	11	0.13	0.01	0.13
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	11	0.12	0.02	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	11	0.12	0.01	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	11	0.12	0.01	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	11	0.12	0.01	0.11
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	10	0.32	0.04	0.32
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	10	0.32	0.04	0.32
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	10	0.32	0.04	0.32
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	10	0.15	0.03	0.16
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	10	0.15	0.03	0.16
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	10	0.15	0.03	0.16
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	10	0.15	0.03	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	10	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	10	0.15	0.01	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	10	0.15	0.01	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	10	0.15	0.01	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	10	0.15	0.01	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	10	0.15	0.01	0.15
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	10	0.13	0.02	0.12
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	10	0.13	0.02	0.12
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	10	0.13	0.02	0.12
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	10	0.13	0.02	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	10	0.12	0.01	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	10	0.12	0.01	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	10	0.12	0.01	0.12
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	9	0.33	0.02	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	9	0.33	0.02	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	9	0.33	0.02	0.33
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	9	0.23	0.13	0.16
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	9	0.18	0.05	0.16
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	9	0.16	0.02	0.16
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	9	0.15	0.03	0.15
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	9	0.15	0.03	0.15
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	9	0.15	0.03	0.15
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	9	0.15	0.03	0.15
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	9	0.15	0.03	0.15
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	9	0.15	0.03	0.15
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	9	0.15	0.04	0.14
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	9	0.15	0.04	0.14
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	9	0.15	0.04	0.14
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	9	0.13	0.02	0.12
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	9	0.13	0.02	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	9	0.12	0.01	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	9	0.12	0.01	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	9	0.12	0.01	0.12
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	9	0.12	0.01	0.12
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	9	0.12	0.01	0.12
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	9	0.12	0.01	0.12
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	9	0.12	0.01	0.12
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	9	0.12	0.01	0.12
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	9	0.12	0.01	0.12
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	8	0.34	0.04	0.34
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	8	0.3	0.07	0.32
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	8	0.23	0.07	0.24
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	8	0.2	0.06	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	8	0.2	0.06	0.17
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	8	0.2	0.06	0.17
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	8	0.16	0.03	0.16
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	8	0.16	0.03	0.16
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	8	0.16	0.03	0.16
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	8	0.15	0.03	0.15
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	8	0.15	0.03	0.15
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	8	0.15	0.03	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	8	0.15	0.01	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	8	0.15	0.01	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	8	0.15	0.01	0.15
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	8	0.12	0.01	0.12
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	7	0.24	0.02	0.24
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	7	0.24	0.02	0.24
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	7	0.24	0.02	0.24
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	7	0.24	0.02	0.24
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	7	0.24	0.02	0.24
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	7	0.24	0.02	0.24
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	7	0.24	0.03	0.25
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	7	0.24	0.03	0.25
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	7	0.24	0.03	0.25
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	7	0.24	0.03	0.25
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	7	0.22	0.08	0.27
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	7	0.22	0.08	0.27
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	7	0.18	0.01	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	7	0.18	0.01	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	7	0.18	0.01	0.18
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	7	0.17	0.04	0.18
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	7	0.17	0.04	0.18
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	7	0.17	0.04	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	7	0.17	0.04	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	7	0.17	0.04	0.15
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	7	0.15	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	7	0.15	0.01	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	7	0.15	0.01	0.16
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	7	0.15	0.03	0.15
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	7	0.15	0.03	0.15
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	7	0.15	0.02	0.15
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	7	0.15	0.02	0.15
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	7	0.14	0.04	0.14
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	7	0.14	0.01	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	7	0.14	0.01	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	7	0.14	0.01	0.13
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	7	0.12	0.01	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	7	0.12	0.01	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	7	0.12	0.01	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	7	0.11	0.01	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	7	0.11	0.01	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	7	0.11	0.01	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	7	0.11	0.01	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	7	0.11	0.01	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	7	0.11	0.01	0.11
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	6	0.41	0.02	0.42
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	6	0.38	0.01	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	6	0.38	0.01	0.38
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	6	0.35	0.06	0.36
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	6	0.34	0.01	0.34
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	6	0.34	0.01	0.34
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	6	0.22	0.08	0.19
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	6	0.22	0.08	0.19
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	6	0.22	0.09	0.2
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	6	0.22	0.09	0.2
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	6	0.21	0.06	0.2
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	6	0.21	0.06	0.2
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	6	0.21	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	6	0.21	0.04	0.2
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	6	0.21	0.04	0.2
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	6	0.2	0.09	0.16
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	6	0.19	0.08	0.14
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	6	0.15	0.03	0.16
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	6	0.15	0.03	0.16
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	6	0.15	0.03	0.16
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	6	0.15	0.07	0.12
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	6	0.15	0.07	0.12
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	6	0.14	0.05	0.12
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	6	0.14	0.03	0.14
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	6	0.14	0.03	0.14
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	6	0.14	0.04	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	6	0.14	0.04	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	6	0.14	0.04	0.12
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	6	0.14	0.03	0.12
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	6	0.14	0.03	0.12
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	6	0.14	0.03	0.12
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	6	0.14	0.02	0.13
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	6	0.14	0.02	0.13
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	6	0.14	0.02	0.13
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	6	0.14	0.02	0.13
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	6	0.12	0.01	0.12
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	6	0.12	0.01	0.12
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	6	0.12	0.01	0.12
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	6	0.12	0.01	0.12
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	6	0.12	0.01	0.12
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	6	0.12	0.01	0.12
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	6	0.12	0.0	0.12
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	6	0.12	0.0	0.12
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	6	0.12	0.0	0.12
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	6	0.11	0.01	0.11
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	6	0.11	0.01	0.11
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	6	0.11	0.01	0.11
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	6	0.11	0.01	0.11
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	6	0.11	0.01	0.11
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	6	0.11	0.01	0.11
(1,44)	1:29:A:LEU:H	1:29:A:LEU:HG	5	0.34	0.15	0.3
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD1	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD2	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD1	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD2	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD1	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD2	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD1	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD2	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD1	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD2	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD1	5	0.26	0.05	0.25
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD2	5	0.26	0.05	0.25
(1,1219)	1:23:A:LYS:HB2	1:24:A:LEU:H	5	0.22	0.05	0.21
(1,1321)	1:85:A:ASN:HD21	1:86:A:GLU:H	5	0.19	0.09	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,570)	1:163:A:TYR:HB2	1:164:A:GLN:H	5	0.18	0.06	0.16
(1,442)	1:23:A:LYS:HG3	1:24:A:LEU:H	5	0.17	0.06	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB1	5	0.16	0.03	0.16
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB2	5	0.16	0.03	0.16
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB3	5	0.16	0.03	0.16
(1,2537)	1:108:A:LYS:HD2	1:109:A:ILE:H	5	0.16	0.04	0.15
(1,2537)	1:108:A:LYS:HD3	1:109:A:ILE:H	5	0.16	0.04	0.15
(1,868)	1:121:A:LYS:HA	1:124:A:THR:H	5	0.16	0.04	0.18
(1,1001)	1:152:A:ALA:HB1	1:154:A:ILE:H	5	0.15	0.03	0.15
(1,1001)	1:152:A:ALA:HB2	1:154:A:ILE:H	5	0.15	0.03	0.15
(1,1001)	1:152:A:ALA:HB3	1:154:A:ILE:H	5	0.15	0.03	0.15
(1,2072)	1:4:A:LEU:HD11	1:84:A:LEU:HA	5	0.14	0.01	0.14
(1,2072)	1:4:A:LEU:HD12	1:84:A:LEU:HA	5	0.14	0.01	0.14
(1,2072)	1:4:A:LEU:HD13	1:84:A:LEU:HA	5	0.14	0.01	0.14
(1,2072)	1:4:A:LEU:HD21	1:84:A:LEU:HA	5	0.14	0.01	0.14
(1,2072)	1:4:A:LEU:HD22	1:84:A:LEU:HA	5	0.14	0.01	0.14
(1,2072)	1:4:A:LEU:HD23	1:84:A:LEU:HA	5	0.14	0.01	0.14
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG21	5	0.14	0.03	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG22	5	0.14	0.03	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG23	5	0.14	0.03	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG21	5	0.14	0.03	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG22	5	0.14	0.03	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG23	5	0.14	0.03	0.15
(1,1856)	1:79:A:GLY:H	1:83:A:ASP:H	5	0.14	0.02	0.14
(1,1109)	1:129:A:ALA:HB1	1:166:A:GLU:HG2	5	0.13	0.01	0.13
(1,1109)	1:129:A:ALA:HB2	1:166:A:GLU:HG2	5	0.13	0.01	0.13
(1,1109)	1:129:A:ALA:HB3	1:166:A:GLU:HG2	5	0.13	0.01	0.13
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD11	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD12	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD13	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD21	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD22	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD23	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD11	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD12	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD13	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD21	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD22	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD23	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD11	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD12	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD13	5	0.13	0.03	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD21	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD22	5	0.13	0.03	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD23	5	0.13	0.03	0.11
(1,525)	1:96:A:LEU:HD21	1:97:A:VAL:H	5	0.13	0.02	0.13
(1,525)	1:96:A:LEU:HD22	1:97:A:VAL:H	5	0.13	0.02	0.13
(1,525)	1:96:A:LEU:HD23	1:97:A:VAL:H	5	0.13	0.02	0.13
(1,2147)	1:24:A:LEU:HD11	1:184:A:LEU:HA	5	0.13	0.02	0.12
(1,2147)	1:24:A:LEU:HD12	1:184:A:LEU:HA	5	0.13	0.02	0.12
(1,2147)	1:24:A:LEU:HD13	1:184:A:LEU:HA	5	0.13	0.02	0.12
(1,2147)	1:24:A:LEU:HD21	1:184:A:LEU:HA	5	0.13	0.02	0.12
(1,2147)	1:24:A:LEU:HD22	1:184:A:LEU:HA	5	0.13	0.02	0.12
(1,2147)	1:24:A:LEU:HD23	1:184:A:LEU:HA	5	0.13	0.02	0.12
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG2	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG3	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG2	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG3	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG2	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG3	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG2	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG3	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG2	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG3	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG2	5	0.13	0.02	0.13
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG3	5	0.13	0.02	0.13
(1,2833)	1:188:A:GLU:HB2	1:189:A:MET:H	5	0.12	0.02	0.13
(1,2833)	1:188:A:GLU:HB3	1:189:A:MET:H	5	0.12	0.02	0.13
(1,129)	1:61:A:ASN:H	1:61:A:ASN:HB3	5	0.12	0.01	0.12
(1,1210)	1:6:A:MET:HG3	1:7:A:ALA:H	5	0.12	0.01	0.13
(1,1815)	1:63:A:ALA:H	1:65:A:LYS:H	5	0.12	0.01	0.12
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE2	4	0.22	0.06	0.24
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE3	4	0.22	0.06	0.24
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE21	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE22	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE21	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE22	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE21	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE22	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE21	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE22	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE21	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE22	4	0.2	0.05	0.21
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE21	4	0.2	0.05	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE22	4	0.2	0.05	0.21
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG2	4	0.19	0.05	0.2
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG3	4	0.19	0.05	0.2
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG2	4	0.19	0.05	0.2
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG3	4	0.19	0.05	0.2
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG2	4	0.19	0.05	0.2
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG3	4	0.19	0.05	0.2
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD11	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD12	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD13	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD21	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD22	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD23	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD11	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD12	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD13	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD21	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD22	4	0.19	0.08	0.18
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD23	4	0.19	0.08	0.18
(1,1966)	1:164:A:GLN:HG3	1:164:A:GLN:HE22	4	0.18	0.08	0.18
(1,961)	1:171:A:ILE:HD11	1:173:A:GLU:HG3	4	0.17	0.02	0.18
(1,961)	1:171:A:ILE:HD12	1:173:A:GLU:HG3	4	0.17	0.02	0.18
(1,961)	1:171:A:ILE:HD13	1:173:A:GLU:HG3	4	0.17	0.02	0.18
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	4	0.17	0.03	0.16
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	4	0.17	0.03	0.16
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	4	0.17	0.03	0.16
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	4	0.17	0.03	0.16
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	4	0.17	0.03	0.16
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	4	0.17	0.03	0.16
(1,2763)	1:164:A:GLN:HG2	1:165:A:LYS:H	4	0.16	0.06	0.14
(1,2763)	1:164:A:GLN:HG3	1:165:A:LYS:H	4	0.16	0.06	0.14
(1,1616)	1:121:A:LYS:H	1:121:A:LYS:HB3	4	0.16	0.0	0.16
(1,1341)	1:96:A:LEU:HG	1:97:A:VAL:H	4	0.15	0.01	0.16
(1,2706)	1:138:A:LYS:HG2	1:139:A:TYR:H	4	0.15	0.02	0.14
(1,2706)	1:138:A:LYS:HG3	1:139:A:TYR:H	4	0.15	0.02	0.14
(1,2795)	1:174:A:LEU:HD11	1:175:A:ILE:H	4	0.14	0.03	0.14
(1,2795)	1:174:A:LEU:HD12	1:175:A:ILE:H	4	0.14	0.03	0.14
(1,2795)	1:174:A:LEU:HD13	1:175:A:ILE:H	4	0.14	0.03	0.14
(1,2795)	1:174:A:LEU:HD21	1:175:A:ILE:H	4	0.14	0.03	0.14
(1,2795)	1:174:A:LEU:HD22	1:175:A:ILE:H	4	0.14	0.03	0.14
(1,2795)	1:174:A:LEU:HD23	1:175:A:ILE:H	4	0.14	0.03	0.14
(1,651)	1:20:A:PRO:HA	1:30:A:ILE:H	4	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2842)	1:190:A:LEU:HD11	1:191:A:LEU:H	4	0.13	0.01	0.13
(1,2842)	1:190:A:LEU:HD12	1:191:A:LEU:H	4	0.13	0.01	0.13
(1,2842)	1:190:A:LEU:HD13	1:191:A:LEU:H	4	0.13	0.01	0.13
(1,2842)	1:190:A:LEU:HD21	1:191:A:LEU:H	4	0.13	0.01	0.13
(1,2842)	1:190:A:LEU:HD22	1:191:A:LEU:H	4	0.13	0.01	0.13
(1,2842)	1:190:A:LEU:HD23	1:191:A:LEU:H	4	0.13	0.01	0.13
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB2	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB3	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB2	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB3	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB2	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB3	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB2	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB3	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB2	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB3	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB2	4	0.13	0.01	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB3	4	0.13	0.01	0.12
(1,2130)	1:21:A:LEU:HD11	1:59:A:TYR:HA	4	0.12	0.02	0.13
(1,2130)	1:21:A:LEU:HD12	1:59:A:TYR:HA	4	0.12	0.02	0.13
(1,2130)	1:21:A:LEU:HD13	1:59:A:TYR:HA	4	0.12	0.02	0.13
(1,2130)	1:21:A:LEU:HD21	1:59:A:TYR:HA	4	0.12	0.02	0.13
(1,2130)	1:21:A:LEU:HD22	1:59:A:TYR:HA	4	0.12	0.02	0.13
(1,2130)	1:21:A:LEU:HD23	1:59:A:TYR:HA	4	0.12	0.02	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG11	4	0.12	0.02	0.12
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG12	4	0.12	0.02	0.12
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG13	4	0.12	0.02	0.12
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG21	4	0.12	0.02	0.12
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG22	4	0.12	0.02	0.12
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG23	4	0.12	0.02	0.12
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD11	4	0.12	0.02	0.12
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD12	4	0.12	0.02	0.12
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD13	4	0.12	0.02	0.12
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD11	4	0.12	0.02	0.12
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD12	4	0.12	0.02	0.12
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD13	4	0.12	0.02	0.12
(1,1163)	1:53:A:THR:HG21	1:56:A:THR:HG1	4	0.12	0.01	0.12
(1,1163)	1:53:A:THR:HG22	1:56:A:THR:HG1	4	0.12	0.01	0.12
(1,1163)	1:53:A:THR:HG23	1:56:A:THR:HG1	4	0.12	0.01	0.12
(1,2073)	1:4:A:LEU:HD11	1:87:A:CYS:HA	4	0.11	0.01	0.12
(1,2073)	1:4:A:LEU:HD12	1:87:A:CYS:HA	4	0.11	0.01	0.12
(1,2073)	1:4:A:LEU:HD13	1:87:A:CYS:HA	4	0.11	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2073)	1:4:A:LEU:HD21	1:87:A:CYS:HA	4	0.11	0.01	0.12
(1,2073)	1:4:A:LEU:HD22	1:87:A:CYS:HA	4	0.11	0.01	0.12
(1,2073)	1:4:A:LEU:HD23	1:87:A:CYS:HA	4	0.11	0.01	0.12
(1,493)	1:70:A:ILE:HD11	1:71:A:VAL:H	4	0.11	0.01	0.12
(1,493)	1:70:A:ILE:HD12	1:71:A:VAL:H	4	0.11	0.01	0.12
(1,493)	1:70:A:ILE:HD13	1:71:A:VAL:H	4	0.11	0.01	0.12
(1,1975)	1:120:A:ILE:HD11	1:167:A:GLU:H	4	0.11	0.01	0.11
(1,1975)	1:120:A:ILE:HD12	1:167:A:GLU:H	4	0.11	0.01	0.11
(1,1975)	1:120:A:ILE:HD13	1:167:A:GLU:H	4	0.11	0.01	0.11
(1,320)	1:154:A:ILE:H	1:154:A:ILE:HB	4	0.11	0.01	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE1	4	0.11	0.0	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE2	4	0.11	0.0	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE3	4	0.11	0.0	0.11
(1,2123)	1:21:A:LEU:HD11	1:22:A:ILE:H	4	0.11	0.0	0.11
(1,2123)	1:21:A:LEU:HD12	1:22:A:ILE:H	4	0.11	0.0	0.11
(1,2123)	1:21:A:LEU:HD13	1:22:A:ILE:H	4	0.11	0.0	0.11
(1,2123)	1:21:A:LEU:HD21	1:22:A:ILE:H	4	0.11	0.0	0.11
(1,2123)	1:21:A:LEU:HD22	1:22:A:ILE:H	4	0.11	0.0	0.11
(1,2123)	1:21:A:LEU:HD23	1:22:A:ILE:H	4	0.11	0.0	0.11
(1,1342)	1:96:A:LEU:HD11	1:97:A:VAL:H	3	0.33	0.02	0.33
(1,1342)	1:96:A:LEU:HD12	1:97:A:VAL:H	3	0.33	0.02	0.33
(1,1342)	1:96:A:LEU:HD13	1:97:A:VAL:H	3	0.33	0.02	0.33
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE1	3	0.29	0.09	0.26
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE2	3	0.29	0.09	0.26
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE3	3	0.29	0.09	0.26
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG2	3	0.25	0.02	0.25
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG3	3	0.25	0.02	0.25
(1,18)	1:21:A:LEU:H	1:21:A:LEU:HG	3	0.23	0.03	0.24
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD21	3	0.2	0.11	0.14
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD22	3	0.2	0.11	0.14
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD21	3	0.2	0.11	0.14
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD22	3	0.2	0.11	0.14
(1,602)	1:190:A:LEU:HG	1:191:A:LEU:H	3	0.2	0.01	0.2
(1,2602)	1:121:A:LYS:HG2	1:125:A:PRO:HA	3	0.2	0.04	0.22
(1,2602)	1:121:A:LYS:HG3	1:125:A:PRO:HA	3	0.2	0.04	0.22
(1,414)	1:190:A:LEU:H	1:190:A:LEU:HG	3	0.19	0.01	0.19
(1,1918)	1:136:A:LYS:H	1:149:A:LEU:HA	3	0.18	0.05	0.19
(1,615)	1:1:A:MET:HE1	1:96:A:LEU:HA	3	0.18	0.06	0.15
(1,615)	1:1:A:MET:HE2	1:96:A:LEU:HA	3	0.18	0.06	0.15
(1,615)	1:1:A:MET:HE3	1:96:A:LEU:HA	3	0.18	0.06	0.15
(1,1177)	1:139:A:TYR:HD1	1:142:A:PRO:HA	3	0.16	0.03	0.15
(1,1177)	1:139:A:TYR:HD2	1:142:A:PRO:HA	3	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,960)	1:109:A:ILE:HD11	1:173:A:GLU:HG3	3	0.16	0.03	0.16
(1,960)	1:109:A:ILE:HD12	1:173:A:GLU:HG3	3	0.16	0.03	0.16
(1,960)	1:109:A:ILE:HD13	1:173:A:GLU:HG3	3	0.16	0.03	0.16
(1,2605)	1:121:A:LYS:HE2	1:125:A:PRO:HA	3	0.16	0.04	0.14
(1,2605)	1:121:A:LYS:HE3	1:125:A:PRO:HA	3	0.16	0.04	0.14
(1,664)	1:96:A:LEU:HD11	1:154:A:ILE:HA	3	0.15	0.05	0.12
(1,664)	1:96:A:LEU:HD12	1:154:A:ILE:HA	3	0.15	0.05	0.12
(1,664)	1:96:A:LEU:HD13	1:154:A:ILE:HA	3	0.15	0.05	0.12
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD1	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD2	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD1	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD2	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD1	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD2	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD1	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD2	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD1	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD2	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD1	3	0.15	0.04	0.17
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD2	3	0.15	0.04	0.17
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD11	3	0.14	0.03	0.13
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD12	3	0.14	0.03	0.13
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD13	3	0.14	0.03	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD11	3	0.14	0.01	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD12	3	0.14	0.01	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD13	3	0.14	0.01	0.13
(1,2504)	1:96:A:LEU:HD11	1:154:A:ILE:HA	3	0.14	0.02	0.13
(1,2504)	1:96:A:LEU:HD12	1:154:A:ILE:HA	3	0.14	0.02	0.13
(1,2504)	1:96:A:LEU:HD13	1:154:A:ILE:HA	3	0.14	0.02	0.13
(1,2504)	1:96:A:LEU:HD21	1:154:A:ILE:HA	3	0.14	0.02	0.13
(1,2504)	1:96:A:LEU:HD22	1:154:A:ILE:HA	3	0.14	0.02	0.13
(1,2504)	1:96:A:LEU:HD23	1:154:A:ILE:HA	3	0.14	0.02	0.13
(1,899)	1:131:A:ALA:HB1	1:133:A:MET:HG2	3	0.13	0.01	0.13
(1,899)	1:131:A:ALA:HB2	1:133:A:MET:HG2	3	0.13	0.01	0.13
(1,899)	1:131:A:ALA:HB3	1:133:A:MET:HG2	3	0.13	0.01	0.13
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD11	3	0.13	0.03	0.12
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD12	3	0.13	0.03	0.12
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD13	3	0.13	0.03	0.12
(1,1496)	1:27:A:ARG:H	1:27:A:ARG:HB2	3	0.13	0.01	0.13
(1,506)	1:81:A:ILE:HB	1:82:A:GLU:H	3	0.13	0.03	0.12
(1,1406)	1:138:A:LYS:HB3	1:139:A:TYR:H	3	0.13	0.02	0.13
(1,1936)	1:180:A:THR:HG21	1:183:A:ASP:H	3	0.13	0.03	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1936)	1:180:A:THR:HG22	1:183:A:ASP:H	3	0.13	0.03	0.11
(1,1936)	1:180:A:THR:HG23	1:183:A:ASP:H	3	0.13	0.03	0.11
(1,1939)	1:178:A:ILE:HD11	1:187:A:ALA:H	3	0.13	0.02	0.12
(1,1939)	1:178:A:ILE:HD12	1:187:A:ALA:H	3	0.13	0.02	0.12
(1,1939)	1:178:A:ILE:HD13	1:187:A:ALA:H	3	0.13	0.02	0.12
(1,118)	1:58:A:GLU:H	1:58:A:GLU:HG3	3	0.12	0.03	0.11
(1,1801)	1:53:A:THR:HA	1:55:A:LYS:H	3	0.12	0.01	0.12
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG2	3	0.12	0.03	0.11
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG3	3	0.12	0.03	0.11
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG2	3	0.12	0.03	0.11
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG3	3	0.12	0.03	0.11
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG2	3	0.12	0.03	0.11
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG3	3	0.12	0.03	0.11
(1,614)	1:1:A:MET:HE1	1:114:A:VAL:HA	3	0.12	0.01	0.13
(1,614)	1:1:A:MET:HE2	1:114:A:VAL:HA	3	0.12	0.01	0.13
(1,614)	1:1:A:MET:HE3	1:114:A:VAL:HA	3	0.12	0.01	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD11	3	0.11	0.01	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD12	3	0.11	0.01	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD13	3	0.11	0.01	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD21	3	0.11	0.01	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD22	3	0.11	0.01	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD23	3	0.11	0.01	0.11
(1,1117)	1:4:A:LEU:HD11	1:84:A:LEU:HA	3	0.11	0.01	0.11
(1,1117)	1:4:A:LEU:HD12	1:84:A:LEU:HA	3	0.11	0.01	0.11
(1,1117)	1:4:A:LEU:HD13	1:84:A:LEU:HA	3	0.11	0.01	0.11
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD21	3	0.11	0.01	0.11
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD22	3	0.11	0.01	0.11
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD23	3	0.11	0.01	0.11
(1,1974)	1:129:A:ALA:HB1	1:167:A:GLU:H	3	0.11	0.0	0.11
(1,1974)	1:129:A:ALA:HB2	1:167:A:GLU:H	3	0.11	0.0	0.11
(1,1974)	1:129:A:ALA:HB3	1:167:A:GLU:H	3	0.11	0.0	0.11
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD11	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD12	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD13	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD21	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD22	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD23	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD11	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD12	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD13	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD21	2	0.58	0.15	0.58
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD22	2	0.58	0.15	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD23	2	0.58	0.15	0.58
(1,851)	1:110:A:ILE:HA	1:113:A:ILE:HB	2	0.52	0.01	0.52
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG11	2	0.46	0.05	0.46
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG12	2	0.46	0.05	0.46
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG13	2	0.46	0.05	0.46
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG21	2	0.46	0.05	0.46
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG22	2	0.46	0.05	0.46
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG23	2	0.46	0.05	0.46
(1,197)	1:86:A:GLU:H	1:86:A:GLU:HG2	2	0.44	0.05	0.44
(1,2462)	1:86:A:GLU:H	1:86:A:GLU:HG2	2	0.42	0.01	0.42
(1,2462)	1:86:A:GLU:H	1:86:A:GLU:HG3	2	0.42	0.01	0.42
(1,1573)	1:86:A:GLU:H	1:86:A:GLU:HG3	2	0.38	0.04	0.38
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD11	2	0.35	0.0	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD12	2	0.35	0.0	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD13	2	0.35	0.0	0.35
(1,2595)	1:121:A:LYS:H	1:121:A:LYS:HG2	2	0.35	0.06	0.35
(1,2595)	1:121:A:LYS:H	1:121:A:LYS:HG3	2	0.35	0.06	0.35
(1,1060)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	2	0.34	0.2	0.34
(1,1060)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	2	0.34	0.2	0.34
(1,1060)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	2	0.34	0.2	0.34
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG11	2	0.3	0.02	0.3
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG12	2	0.3	0.02	0.3
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG13	2	0.3	0.02	0.3
(1,1222)	1:27:A:ARG:HG2	1:28:A:CYS:H	2	0.28	0.04	0.28
(1,1956)	1:108:A:LYS:HA	1:111:A:ASN:HD21	2	0.28	0.01	0.28
(1,1092)	1:42:A:VAL:HG21	1:43:A:ASN:HB2	2	0.27	0.0	0.27
(1,1092)	1:42:A:VAL:HG22	1:43:A:ASN:HB2	2	0.27	0.0	0.27
(1,1092)	1:42:A:VAL:HG23	1:43:A:ASN:HB2	2	0.27	0.0	0.27
(1,1364)	1:113:A:ILE:HB	1:114:A:VAL:H	2	0.27	0.02	0.27
(1,2506)	1:96:A:LEU:HD11	1:155:A:ASN:HA	2	0.24	0.01	0.24
(1,2506)	1:96:A:LEU:HD12	1:155:A:ASN:HA	2	0.24	0.01	0.24
(1,2506)	1:96:A:LEU:HD13	1:155:A:ASN:HA	2	0.24	0.01	0.24
(1,2506)	1:96:A:LEU:HD21	1:155:A:ASN:HA	2	0.24	0.01	0.24
(1,2506)	1:96:A:LEU:HD22	1:155:A:ASN:HA	2	0.24	0.01	0.24
(1,2506)	1:96:A:LEU:HD23	1:155:A:ASN:HA	2	0.24	0.01	0.24
(1,693)	1:42:A:VAL:HG21	1:43:A:ASN:HB3	2	0.23	0.08	0.23
(1,693)	1:42:A:VAL:HG22	1:43:A:ASN:HB3	2	0.23	0.08	0.23
(1,693)	1:42:A:VAL:HG23	1:43:A:ASN:HB3	2	0.23	0.08	0.23
(1,2012)	1:139:A:TYR:HD1	1:141:A:ASN:H	2	0.23	0.02	0.23
(1,2012)	1:139:A:TYR:HD2	1:141:A:ASN:H	2	0.23	0.02	0.23
(1,2353)	1:58:A:GLU:HG2	1:59:A:TYR:H	2	0.23	0.01	0.23
(1,2353)	1:58:A:GLU:HG3	1:59:A:TYR:H	2	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,459)	1:38:A:LEU:HG	1:39:A:LYS:H	2	0.22	0.01	0.22
(1,2135)	1:22:A:ILE:HG12	1:23:A:LYS:H	2	0.2	0.02	0.2
(1,2135)	1:22:A:ILE:HG13	1:23:A:LYS:H	2	0.2	0.02	0.2
(1,957)	1:171:A:ILE:HD11	1:173:A:GLU:HG2	2	0.19	0.01	0.19
(1,957)	1:171:A:ILE:HD12	1:173:A:GLU:HG2	2	0.19	0.01	0.19
(1,957)	1:171:A:ILE:HD13	1:173:A:GLU:HG2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD11	1:101:A:ASP:HB2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD11	1:101:A:ASP:HB3	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD12	1:101:A:ASP:HB2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD12	1:101:A:ASP:HB3	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD13	1:101:A:ASP:HB2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD13	1:101:A:ASP:HB3	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD21	1:101:A:ASP:HB2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD21	1:101:A:ASP:HB3	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD22	1:101:A:ASP:HB2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD22	1:101:A:ASP:HB3	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD23	1:101:A:ASP:HB2	2	0.19	0.01	0.19
(1,2175)	1:29:A:LEU:HD23	1:101:A:ASP:HB3	2	0.19	0.01	0.19
(1,1272)	1:57:A:LYS:HG2	1:58:A:GLU:H	2	0.18	0.04	0.18
(1,1600)	1:113:A:ILE:H	1:113:A:ILE:HB	2	0.18	0.01	0.18
(1,2754)	1:160:A:LYS:HB2	1:160:A:LYS:HE2	2	0.18	0.02	0.18
(1,2754)	1:160:A:LYS:HB2	1:160:A:LYS:HE3	2	0.18	0.02	0.18
(1,2754)	1:160:A:LYS:HB3	1:160:A:LYS:HE2	2	0.18	0.02	0.18
(1,2754)	1:160:A:LYS:HB3	1:160:A:LYS:HE3	2	0.18	0.02	0.18
(1,1591)	1:102:A:LEU:H	1:102:A:LEU:HG	2	0.18	0.06	0.18
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD11	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD12	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD13	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD21	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD22	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD23	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD11	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD12	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD13	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD21	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD22	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD23	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD11	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD12	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD13	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD21	2	0.18	0.03	0.18
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD22	2	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD23	2	0.18	0.03	0.18
(1,1579)	1:90:A:TYR:H	1:90:A:TYR:HD1	2	0.17	0.0	0.17
(1,1579)	1:90:A:TYR:H	1:90:A:TYR:HD2	2	0.17	0.0	0.17
(1,395)	1:185:A:LYS:H	1:185:A:LYS:HB3	2	0.17	0.02	0.17
(1,2241)	1:38:A:LEU:HD11	1:69:A:ASN:HA	2	0.17	0.02	0.17
(1,2241)	1:38:A:LEU:HD12	1:69:A:ASN:HA	2	0.17	0.02	0.17
(1,2241)	1:38:A:LEU:HD13	1:69:A:ASN:HA	2	0.17	0.02	0.17
(1,2241)	1:38:A:LEU:HD21	1:69:A:ASN:HA	2	0.17	0.02	0.17
(1,2241)	1:38:A:LEU:HD22	1:69:A:ASN:HA	2	0.17	0.02	0.17
(1,2241)	1:38:A:LEU:HD23	1:69:A:ASN:HA	2	0.17	0.02	0.17
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG21	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG22	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG23	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG21	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG22	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG23	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG21	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG22	2	0.15	0.02	0.15
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG23	2	0.15	0.02	0.15
(1,2543)	1:109:A:ILE:HG12	1:173:A:GLU:HG2	2	0.15	0.04	0.15
(1,2543)	1:109:A:ILE:HG12	1:173:A:GLU:HG3	2	0.15	0.04	0.15
(1,2543)	1:109:A:ILE:HG13	1:173:A:GLU:HG2	2	0.15	0.04	0.15
(1,2543)	1:109:A:ILE:HG13	1:173:A:GLU:HG3	2	0.15	0.04	0.15
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD21	2	0.15	0.02	0.15
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD22	2	0.15	0.02	0.15
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD23	2	0.15	0.02	0.15
(1,1097)	1:75:A:THR:HG21	1:86:A:GLU:HB2	2	0.15	0.03	0.15
(1,1097)	1:75:A:THR:HG22	1:86:A:GLU:HB2	2	0.15	0.03	0.15
(1,1097)	1:75:A:THR:HG23	1:86:A:GLU:HB2	2	0.15	0.03	0.15
(1,1948)	1:44:A:ASN:HA	1:69:A:ASN:HD22	2	0.15	0.03	0.15
(1,2751)	1:160:A:LYS:H	1:160:A:LYS:HD2	2	0.15	0.03	0.15
(1,2751)	1:160:A:LYS:H	1:160:A:LYS:HD3	2	0.15	0.03	0.15
(1,1803)	1:58:A:GLU:HA	1:61:A:ASN:H	2	0.14	0.02	0.14
(1,761)	1:1:A:MET:HE1	1:117:A:PHE:HE1	2	0.14	0.01	0.14
(1,761)	1:1:A:MET:HE1	1:117:A:PHE:HE2	2	0.14	0.01	0.14
(1,761)	1:1:A:MET:HE2	1:117:A:PHE:HE1	2	0.14	0.01	0.14
(1,761)	1:1:A:MET:HE2	1:117:A:PHE:HE2	2	0.14	0.01	0.14
(1,761)	1:1:A:MET:HE3	1:117:A:PHE:HE1	2	0.14	0.01	0.14
(1,761)	1:1:A:MET:HE3	1:117:A:PHE:HE2	2	0.14	0.01	0.14
(1,821)	1:75:A:THR:HG21	1:83:A:ASP:HB3	2	0.14	0.04	0.14
(1,821)	1:75:A:THR:HG22	1:83:A:ASP:HB3	2	0.14	0.04	0.14
(1,821)	1:75:A:THR:HG23	1:83:A:ASP:HB3	2	0.14	0.04	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD11	2	0.14	0.01	0.14
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD12	2	0.14	0.01	0.14
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD13	2	0.14	0.01	0.14
(1,2272)	1:42:A:VAL:HG11	1:44:A:ASN:H	2	0.13	0.03	0.13
(1,2272)	1:42:A:VAL:HG12	1:44:A:ASN:H	2	0.13	0.03	0.13
(1,2272)	1:42:A:VAL:HG13	1:44:A:ASN:H	2	0.13	0.03	0.13
(1,2272)	1:42:A:VAL:HG21	1:44:A:ASN:H	2	0.13	0.03	0.13
(1,2272)	1:42:A:VAL:HG22	1:44:A:ASN:H	2	0.13	0.03	0.13
(1,2272)	1:42:A:VAL:HG23	1:44:A:ASN:H	2	0.13	0.03	0.13
(1,767)	1:61:A:ASN:HA	1:65:A:LYS:H	2	0.12	0.02	0.12
(1,2355)	1:60:A:ILE:H	1:61:A:ASN:HB2	2	0.12	0.02	0.12
(1,2355)	1:60:A:ILE:H	1:61:A:ASN:HB3	2	0.12	0.02	0.12
(1,2534)	1:108:A:LYS:HA	1:111:A:ASN:HD21	2	0.12	0.02	0.12
(1,2534)	1:108:A:LYS:HA	1:111:A:ASN:HD22	2	0.12	0.02	0.12
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG11	2	0.12	0.02	0.12
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG12	2	0.12	0.02	0.12
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG13	2	0.12	0.02	0.12
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG21	2	0.12	0.02	0.12
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG22	2	0.12	0.02	0.12
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG23	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG11	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG12	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG13	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG21	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG22	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG23	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG11	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG12	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG13	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG21	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG22	2	0.12	0.02	0.12
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG23	2	0.12	0.02	0.12
(1,1331)	1:90:A:TYR:HD1	1:91:A:PHE:H	2	0.12	0.01	0.12
(1,1331)	1:90:A:TYR:HD2	1:91:A:PHE:H	2	0.12	0.01	0.12
(1,1387)	1:127:A:VAL:HG21	1:128:A:GLU:H	2	0.12	0.0	0.12
(1,1387)	1:127:A:VAL:HG22	1:128:A:GLU:H	2	0.12	0.0	0.12
(1,1387)	1:127:A:VAL:HG23	1:128:A:GLU:H	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG11	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG12	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG13	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG21	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG22	2	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG23	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG11	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG12	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG13	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG21	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG22	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG23	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG11	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG12	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG13	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG21	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG22	2	0.12	0.0	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG23	2	0.12	0.0	0.12
(1,2581)	1:118:A:TYR:HA	1:121:A:LYS:HB2	2	0.12	0.01	0.12
(1,2581)	1:118:A:TYR:HA	1:121:A:LYS:HB3	2	0.12	0.01	0.12
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG21	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG22	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG23	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG21	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG22	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG23	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG21	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG22	2	0.12	0.02	0.12
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG23	2	0.12	0.02	0.12
(1,28)	1:22:A:ILE:H	1:22:A:ILE:HG13	2	0.12	0.0	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG11	2	0.12	0.0	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG12	2	0.12	0.0	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG13	2	0.12	0.0	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG21	2	0.12	0.0	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG22	2	0.12	0.0	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG23	2	0.12	0.0	0.12
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG11	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG12	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG13	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG11	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG12	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG13	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG11	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG12	2	0.11	0.01	0.11
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG13	2	0.11	0.01	0.11
(1,1977)	1:134:A:ILE:HG21	1:173:A:GLU:H	2	0.11	0.01	0.11
(1,1977)	1:134:A:ILE:HG22	1:173:A:GLU:H	2	0.11	0.01	0.11

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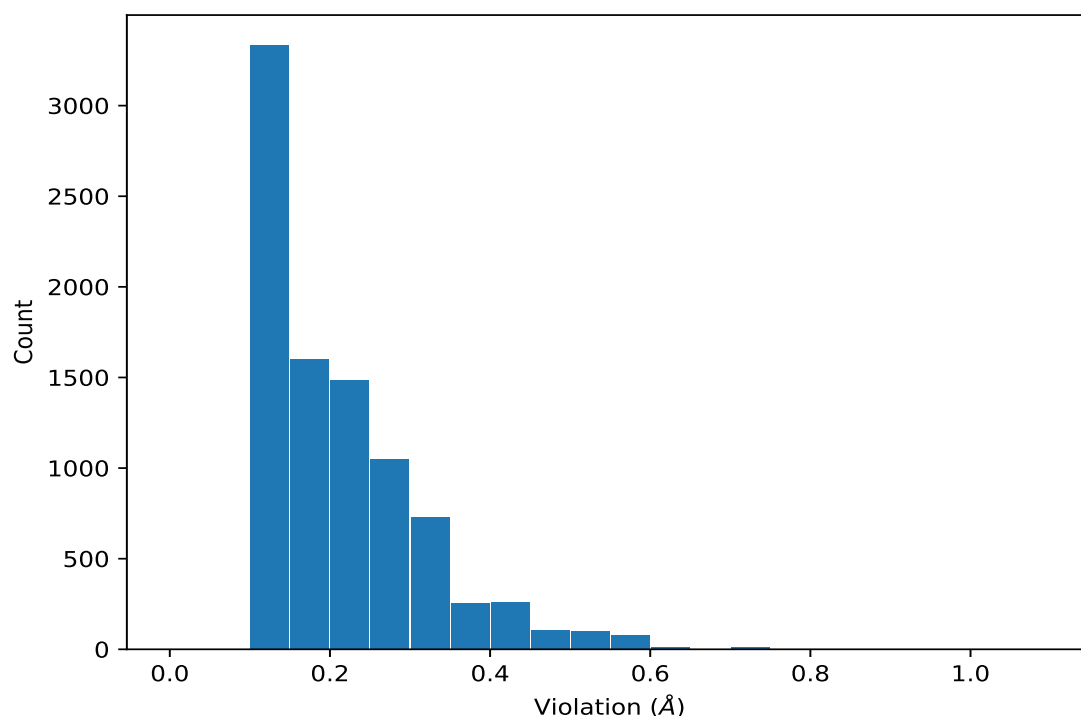
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1977)	1:134:A:ILE:HG23	1:173:A:GLU:H	2	0.11	0.01	0.11
(1,1991)	1:91:A:PHE:H	1:93:A:GLU:H	2	0.11	0.01	0.11
(1,2697)	1:135:A:PRO:HD2	1:171:A:ILE:H	2	0.11	0.01	0.11
(1,2697)	1:135:A:PRO:HD3	1:171:A:ILE:H	2	0.11	0.01	0.11
(1,520)	1:90:A:TYR:HB3	1:91:A:PHE:H	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



9.5.2 Table : All distance violations [i](#)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	13	1.07
(1,420)	1:191:A:LEU:H	1:191:A:LEU:HG	6	0.8
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD11	5	0.73
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD12	5	0.73
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD13	5	0.73
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD21	5	0.73
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD22	5	0.73
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD23	5	0.73
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD11	5	0.73
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD12	5	0.73
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD13	5	0.73
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD21	5	0.73
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD22	5	0.73
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD23	5	0.73
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	15	0.61
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	15	0.61
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	15	0.61
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	15	0.61
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	15	0.61
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	15	0.61
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	15	0.61
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	15	0.61
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	15	0.61
(1,44)	1:29:A:LEU:H	1:29:A:LEU:HG	16	0.61
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	2	0.6
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	2	0.6
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	2	0.6
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	2	0.6
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	2	0.6
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	2	0.6
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	2	0.6
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	2	0.6
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	2	0.6
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	20	0.58
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	20	0.58
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	20	0.58
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	20	0.58
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	20	0.58
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	20	0.58
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	20	0.58
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	20	0.58
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	20	0.58
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	1	0.57
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	1	0.57
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	1	0.57
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	1	0.57
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	1	0.57
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	1	0.57
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	1	0.57
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	1	0.57
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	6	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	6	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	6	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	6	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	6	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	6	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	6	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	6	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	6	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	6	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	6	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	6	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	16	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	16	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	16	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	16	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	16	0.56
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	16	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	16	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	16	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	16	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	16	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	16	0.56
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	16	0.56
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	16	0.56
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	16	0.56
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	16	0.56
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	5	0.56
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	12	0.55
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	12	0.55
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	12	0.55
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	12	0.55
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	12	0.55
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	12	0.55
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	12	0.55
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	12	0.55
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	19	0.55
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	19	0.55
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	19	0.55
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	19	0.55
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	19	0.55
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	19	0.55
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	19	0.55
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	19	0.55
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	19	0.55
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	15	0.55
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	15	0.55
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	15	0.55
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	7	0.55
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	7	0.55
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	7	0.55
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	8	0.54
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	8	0.54
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	8	0.54
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	8	0.54
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	8	0.54
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	8	0.54
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	8	0.54
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	8	0.54
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	8	0.54
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	8	0.54
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	8	0.54
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	8	0.54
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	8	0.54
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	8	0.54
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	8	0.54
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	8	0.54
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	8	0.54
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	8	0.54
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	8	0.54
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	8	0.54
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	8	0.54
(1,1060)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	3	0.54
(1,1060)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	3	0.54
(1,1060)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	20	0.53
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	20	0.53
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	20	0.53
(1,851)	1:110:A:ILE:HA	1:113:A:ILE:HB	9	0.53
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	14	0.53
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	4	0.52
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	4	0.52
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	4	0.52
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	4	0.52
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	4	0.52
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	4	0.52
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	4	0.52
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	4	0.52
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	4	0.52
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	4	0.52
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	4	0.52
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	4	0.52
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	13	0.52
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	13	0.52
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	13	0.52
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	13	0.52
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	13	0.52
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	13	0.52
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	13	0.52
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	13	0.52
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	13	0.52
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG11	5	0.51
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG12	5	0.51
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG13	5	0.51
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG21	5	0.51
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG22	5	0.51
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG23	5	0.51
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	10	0.51
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	10	0.51
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	10	0.51
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	10	0.51
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	10	0.51
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	10	0.51
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	10	0.51
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	10	0.51
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	10	0.51
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	10	0.51
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	10	0.51
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	4	0.51
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	4	0.51
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	4	0.51
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	4	0.51
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	4	0.51
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	4	0.51
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	4	0.51
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	4	0.51
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	4	0.51
(1,851)	1:110:A:ILE:HA	1:113:A:ILE:HB	7	0.51
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	18	0.51
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	18	0.51
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	18	0.51
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	15	0.5
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	15	0.5
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	8	0.5
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	8	0.5
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	8	0.5
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	13	0.5
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	12	0.5
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	12	0.5
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	12	0.5
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	19	0.5
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	19	0.5
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	19	0.5
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	19	0.5
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	19	0.5
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	19	0.5
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	11	0.5
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	11	0.5
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	11	0.5
(1,197)	1:86:A:GLU:H	1:86:A:GLU:HG2	12	0.5
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	7	0.49
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	7	0.49
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	7	0.49
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	16	0.49
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	16	0.49
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	16	0.49
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	10	0.49
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	9	0.49
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	9	0.49
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	9	0.49
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	9	0.49
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	9	0.49
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	9	0.49
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	9	0.49
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	9	0.49
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	11	0.49
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	11	0.49
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	11	0.49
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	20	0.49
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	20	0.49
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	20	0.49
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	11	0.49
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	11	0.48
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	11	0.48
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	11	0.48
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	18	0.48
(1,1275)	1:58:A:GLU:HG2	1:59:A:TYR:H	4	0.48
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	18	0.48
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	18	0.48
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	18	0.48
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	7	0.48
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	15	0.47
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	15	0.47
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	15	0.47
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	15	0.47
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	15	0.47
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	15	0.47
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	5	0.47
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	20	0.46
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	20	0.46
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	20	0.46
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	20	0.46
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	20	0.46
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	20	0.46
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	20	0.46
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	20	0.46
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	20	0.46
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	20	0.46
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	20	0.46
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	10	0.46
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	10	0.46
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	10	0.46
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	2	0.46
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	2	0.46
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	2	0.46
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	10	0.46
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	3	0.46
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	8	0.46
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	8	0.46
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	8	0.46
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	2	0.46
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	2	0.46
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	2	0.46
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	6	0.46
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	6	0.46
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	6	0.46
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	9	0.46
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	9	0.46
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	9	0.46
(1,690)	1:40:A:SER:HA	1:110:A:ILE:HD11	6	0.46
(1,690)	1:40:A:SER:HA	1:110:A:ILE:HD12	6	0.46
(1,690)	1:40:A:SER:HA	1:110:A:ILE:HD13	6	0.46
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	1	0.46
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	1	0.46
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	1	0.46
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	12	0.46
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	12	0.46
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	12	0.46
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	19	0.46
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	19	0.46
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	19	0.46
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	10	0.45
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	10	0.45
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	3	0.45
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	3	0.45
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	3	0.45
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	5	0.45
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	5	0.45
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	5	0.45
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	13	0.45
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	13	0.45
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	13	0.45
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	13	0.45
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	13	0.45
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	2	0.45
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	2	0.45
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	2	0.45
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	10	0.45
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	10	0.45
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	10	0.45
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	2	0.45
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	14	0.44
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	14	0.44
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	14	0.44
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	14	0.44
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	14	0.44
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	14	0.44
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	14	0.44
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	14	0.44
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	14	0.44
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	14	0.44
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	14	0.44
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	14	0.44
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	15	0.44
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	15	0.44
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	15	0.44
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	15	0.44
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	15	0.44
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	15	0.44
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	8	0.44
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	18	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	6	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	6	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	6	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	6	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	6	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	6	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	6	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	6	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	6	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	11	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	11	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	11	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	11	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	11	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	11	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	11	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	11	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	16	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	16	0.44
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	16	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	16	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	16	0.44
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	16	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	16	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	16	0.44
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	16	0.44
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	2	0.44
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	2	0.44
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	2	0.44
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	19	0.44
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	19	0.44
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	19	0.44
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	20	0.44
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	20	0.44
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	20	0.44
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	6	0.44
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	6	0.44
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	6	0.44
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	14	0.44
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	15	0.44
(1,2462)	1:86:A:GLU:H	1:86:A:GLU:HG2	12	0.43
(1,2462)	1:86:A:GLU:H	1:86:A:GLU:HG3	12	0.43
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD11	18	0.43
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD12	18	0.43
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD13	18	0.43
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD21	18	0.43
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD22	18	0.43
(1,2096)	1:6:A:MET:HB2	1:84:A:LEU:HD23	18	0.43
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD11	18	0.43
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD12	18	0.43
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD13	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD21	18	0.43
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD22	18	0.43
(1,2096)	1:6:A:MET:HB3	1:84:A:LEU:HD23	18	0.43
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	11	0.43
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	11	0.43
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	11	0.43
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	1	0.43
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	18	0.43
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	18	0.43
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	18	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	3	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	3	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	3	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	3	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	3	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	3	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	3	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	3	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	3	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	7	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	7	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	7	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	7	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	7	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	7	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	7	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	7	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	7	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	10	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	10	0.43
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	10	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	10	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	10	0.43
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	10	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	10	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	10	0.43
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	10	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	4	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	4	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	4	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	8	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	8	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	11	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	11	0.43
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	11	0.43
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	10	0.43
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	10	0.43
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	10	0.43
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	9	0.43
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	9	0.43
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	9	0.43
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	1	0.43
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	4	0.43
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	19	0.42
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	19	0.42
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	19	0.42
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	19	0.42
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	19	0.42
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	19	0.42
(1,2462)	1:86:A:GLU:H	1:86:A:GLU:HG2	18	0.42
(1,2462)	1:86:A:GLU:H	1:86:A:GLU:HG3	18	0.42
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	20	0.42
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	20	0.42
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	20	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	1	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	1	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	1	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	6	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	6	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	6	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	18	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	18	0.42
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	18	0.42
(1,1573)	1:86:A:GLU:H	1:86:A:GLU:HG3	18	0.42
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	2	0.42
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	16	0.42
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	16	0.42
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	16	0.42
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	19	0.42
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	19	0.42
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	19	0.42
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	15	0.42
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	15	0.42
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	4	0.42
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	8	0.42
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	12	0.42
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	18	0.42
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	9	0.42
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	7	0.42
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	8	0.42
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	10	0.42
(1,2595)	1:121:A:LYS:H	1:121:A:LYS:HG2	19	0.41
(1,2595)	1:121:A:LYS:H	1:121:A:LYS:HG3	19	0.41
(1,2393)	1:68:A:LYS:HA	1:68:A:LYS:HE2	13	0.41
(1,2393)	1:68:A:LYS:HA	1:68:A:LYS:HE3	13	0.41
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG11	14	0.41
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG12	14	0.41
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG13	14	0.41
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG21	14	0.41
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG22	14	0.41
(1,2248)	1:40:A:SER:H	1:42:A:VAL:HG23	14	0.41
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	9	0.41
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	9	0.41
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	9	0.41
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	5	0.41
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	5	0.41
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	5	0.41
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	19	0.41
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	19	0.41
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	19	0.41
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	9	0.41
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	16	0.41
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	17	0.41
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	17	0.41
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	17	0.41
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	17	0.41
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	17	0.41
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	17	0.41
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	17	0.41
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	17	0.41
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	17	0.41
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	10	0.41
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	10	0.41
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	5	0.41
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	5	0.41
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	5	0.41
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	8	0.41
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE1	1	0.41
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE2	1	0.41
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE3	1	0.41
(1,479)	1:58:A:GLU:HG3	1:59:A:TYR:H	14	0.41
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	16	0.41
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	19	0.41
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	8	0.41
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	16	0.41
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	17	0.41
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	18	0.41
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	16	0.41
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	20	0.41
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	4	0.4
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	4	0.4
(1,2018)	1:1:A:MET:HB2	1:1:A:MET:HE1	3	0.4
(1,2018)	1:1:A:MET:HB2	1:1:A:MET:HE2	3	0.4
(1,2018)	1:1:A:MET:HB2	1:1:A:MET:HE3	3	0.4
(1,2018)	1:1:A:MET:HB3	1:1:A:MET:HE1	3	0.4
(1,2018)	1:1:A:MET:HB3	1:1:A:MET:HE2	3	0.4
(1,2018)	1:1:A:MET:HB3	1:1:A:MET:HE3	3	0.4
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	7	0.4
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	7	0.4
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	7	0.4
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	11	0.4
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	18	0.4
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	11	0.4
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	12	0.4
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	14	0.4
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	13	0.4
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	13	0.4
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	13	0.4
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	4	0.4
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	4	0.4
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	4	0.4
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	11	0.4
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	11	0.4
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	11	0.4
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	14	0.4
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	14	0.4
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	9	0.4
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	9	0.4
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	9	0.4
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	6	0.4
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	4	0.4
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	5	0.4
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	6	0.4
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	13	0.4
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	17	0.4
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	20	0.4
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	1	0.4
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	6	0.4
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	2	0.4
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	10	0.4
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	11	0.4
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	12	0.4
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	19	0.4
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	6	0.39
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	6	0.39
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	7	0.39
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	7	0.39
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	3	0.39
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	5	0.39
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	11	0.39
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	12	0.39
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	15	0.39
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	17	0.39
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	19	0.39
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	19	0.39
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	19	0.39
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	3	0.39
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	3	0.39
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	3	0.39
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	9	0.39
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	9	0.39
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	9	0.39
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	4	0.39
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	7	0.39
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	6	0.39
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	6	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	1	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	1	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	1	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	7	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	7	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	7	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	12	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	12	0.39
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	12	0.39
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	10	0.39
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	3	0.39
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	4	0.39
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	7	0.39
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	10	0.39
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	11	0.39
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	2	0.39
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	14	0.39
(1,335)	1:164:A:GLN:HA	1:164:A:GLN:HG3	15	0.39
(1,197)	1:86:A:GLU:H	1:86:A:GLU:HG2	18	0.39
(1,2810)	1:181:A:LYS:HA	1:181:A:LYS:HD2	7	0.38
(1,2810)	1:181:A:LYS:HA	1:181:A:LYS:HD3	7	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	8	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	8	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	10	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	10	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	16	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	16	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG2	20	0.38
(1,2090)	1:6:A:MET:H	1:6:A:MET:HG3	20	0.38
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	4	0.38
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	10	0.38
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	13	0.38
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	20	0.38
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	20	0.38
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	20	0.38
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	3	0.38
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	3	0.38
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	3	0.38
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	10	0.38
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	10	0.38
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	20	0.38
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	20	0.38
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	20	0.38
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	1	0.38
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	6	0.38
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	17	0.38
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	17	0.38
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	17	0.38
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	14	0.38
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	14	0.38
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	14	0.38
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	14	0.38
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	14	0.38
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	14	0.38
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	14	0.38
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	14	0.38
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	14	0.38
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	7	0.38
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	7	0.38
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	7	0.38
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	12	0.38
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	12	0.38
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	12	0.38
(1,962)	1:109:A:ILE:HD11	1:173:A:GLU:HG2	19	0.38
(1,962)	1:109:A:ILE:HD12	1:173:A:GLU:HG2	19	0.38
(1,962)	1:109:A:ILE:HD13	1:173:A:GLU:HG2	19	0.38
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	12	0.38
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	12	0.38
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	12	0.38
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	12	0.38
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	12	0.38
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	12	0.38
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	4	0.38
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	4	0.38
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	4	0.38
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	17	0.38
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	17	0.38
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	17	0.38
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	14	0.38
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	14	0.38
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	14	0.38
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	9	0.38
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	20	0.38
(1,11)	1:6:A:MET:H	1:6:A:MET:HG3	6	0.38
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	9	0.37
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	9	0.37
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	3	0.37
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	3	0.37
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	2	0.37
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	16	0.37
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	11	0.37
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	11	0.37
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	11	0.37
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	17	0.37
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	17	0.37
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	17	0.37
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	17	0.37
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	17	0.37
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	17	0.37
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	6	0.37
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	5	0.37
(1,1321)	1:85:A:ASN:HD21	1:86:A:GLU:H	13	0.37
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	10	0.37
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	10	0.37
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	10	0.37
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	15	0.37
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	17	0.37
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	6	0.37
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	6	0.37
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	6	0.37
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	14	0.37
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	14	0.37
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	14	0.37
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	19	0.37
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	19	0.37
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	19	0.37
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	3	0.37
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	3	0.37
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	3	0.37
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	7	0.37
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	7	0.37
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	7	0.37
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	7	0.37
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	7	0.37
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	5	0.37
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	5	0.37
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	5	0.37
(1,472)	1:47:A:ILE:HG13	1:48:A:ALA:H	2	0.37
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	5	0.37
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	19	0.37
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	1	0.36
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	1	0.36
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	1	0.36
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	1	0.36
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	1	0.36
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	1	0.36
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	5	0.36
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	5	0.36
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	5	0.36
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	5	0.36
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	5	0.36
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	5	0.36
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	11	0.36
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	11	0.36
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	12	0.36
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	12	0.36
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	12	0.36
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	12	0.36
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	12	0.36
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	12	0.36
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	12	0.36
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	12	0.36
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	12	0.36
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	12	0.36
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	12	0.36
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	12	0.36
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD21	11	0.36
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD22	11	0.36
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD21	11	0.36
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD22	11	0.36
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	1	0.36
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	16	0.36
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	16	0.36
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	5	0.36
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	5	0.36
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	5	0.36
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	16	0.36
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	16	0.36
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	16	0.36
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	18	0.36
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	18	0.36
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	18	0.36
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	18	0.36
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	12	0.36
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	12	0.36
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	12	0.36
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	17	0.36
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	17	0.36
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	17	0.36
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	5	0.36
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	5	0.36
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	5	0.36
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	11	0.36
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	11	0.36
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	11	0.36
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	7	0.36
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	7	0.36
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	7	0.36
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	16	0.36
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	16	0.36
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	16	0.36
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	16	0.36
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	16	0.36
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	16	0.36
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	20	0.36
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	20	0.36
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	20	0.36
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	20	0.36
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	20	0.36
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	20	0.36
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	20	0.36
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	20	0.36
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	20	0.36
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	12	0.36
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	12	0.36
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	6	0.36
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	6	0.36
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	6	0.36
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	8	0.36
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	8	0.36
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	8	0.36
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	16	0.36
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	16	0.36
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	16	0.36
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	17	0.36
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	17	0.36
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	17	0.36
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	2	0.36
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	7	0.36
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	7	0.36
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	7	0.36
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	5	0.36
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	9	0.36
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	17	0.36
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	17	0.36
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	17	0.36
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	3	0.35
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	3	0.35
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	4	0.35
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	4	0.35
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	14	0.35
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	14	0.35
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	13	0.35
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	13	0.35
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	2	0.35
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	2	0.35
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	11	0.35
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	11	0.35
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	17	0.35
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	17	0.35
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	17	0.35
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	11	0.35
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	11	0.35
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	1	0.35
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	1	0.35
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:86:A:GLU:H	1:86:A:GLU:HG3	12	0.35
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	6	0.35
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	13	0.35
(1,1342)	1:96:A:LEU:HD11	1:97:A:VAL:H	13	0.35
(1,1342)	1:96:A:LEU:HD12	1:97:A:VAL:H	13	0.35
(1,1342)	1:96:A:LEU:HD13	1:97:A:VAL:H	13	0.35
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	20	0.35
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	6	0.35
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	6	0.35
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	6	0.35
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	1	0.35
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	1	0.35
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	1	0.35
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	9	0.35
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	9	0.35
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	9	0.35
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	15	0.35
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	15	0.35
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	15	0.35
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	16	0.35
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	16	0.35
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	16	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	3	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	3	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	3	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	7	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	7	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	7	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	20	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	20	0.35
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	20	0.35
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	18	0.35
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	18	0.35
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	18	0.35
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	1	0.35
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	1	0.35
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	1	0.35
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	2	0.35
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	2	0.35
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	2	0.35
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	4	0.35
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	4	0.35
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	11	0.35
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	11	0.35
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	11	0.35
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	8	0.35
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	8	0.35
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	8	0.35
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	16	0.35
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	11	0.35
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	16	0.35
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	17	0.35
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	14	0.35
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	17	0.35
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	4	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD11	7	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD12	7	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD13	7	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD11	9	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD12	9	0.35
(1,259)	1:113:A:ILE:HA	1:113:A:ILE:HD13	9	0.35
(1,44)	1:29:A:LEU:H	1:29:A:LEU:HG	12	0.35
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	19	0.34
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	19	0.34
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	20	0.34
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	20	0.34
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	3	0.34
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	3	0.34
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	3	0.34
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	3	0.34
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	3	0.34
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	3	0.34
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	3	0.34
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	3	0.34
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	3	0.34
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	3	0.34
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	3	0.34
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	3	0.34
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	19	0.34
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	19	0.34
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	16	0.34
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	16	0.34
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	16	0.34
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	16	0.34
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	16	0.34
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	16	0.34
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	16	0.34
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	16	0.34
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	16	0.34
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	16	0.34
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	16	0.34
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	7	0.34
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	7	0.34
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	7	0.34
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	7	0.34
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	7	0.34
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	7	0.34
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	7	0.34
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	7	0.34
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	7	0.34
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	7	0.34
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	7	0.34
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	7	0.34
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	5	0.34
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	5	0.34
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	5	0.34
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	5	0.34
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	5	0.34
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	5	0.34
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	5	0.34
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	5	0.34
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	5	0.34
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	5	0.34
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	5	0.34
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	5	0.34
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	14	0.34
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	2	0.34
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	2	0.34
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	2	0.34
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	17	0.34
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	17	0.34
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	11	0.34
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	11	0.34
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	6	0.34
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	4	0.34
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	4	0.34
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	4	0.34
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	4	0.34
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	2	0.34
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	6	0.34
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	15	0.34
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	3	0.34
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	14	0.34
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	15	0.34
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	4	0.34
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	4	0.34
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	4	0.34
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	5	0.34
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	5	0.34
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	5	0.34
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	18	0.34
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	18	0.34
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	18	0.34
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	20	0.34
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	20	0.34
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	20	0.34
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	1	0.34
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	1	0.34
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	1	0.34
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	3	0.34
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	3	0.34
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	3	0.34
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	3	0.34
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	3	0.34
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	3	0.34
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	18	0.34
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	18	0.34
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	18	0.34
(1,1036)	1:131:A:ALA:HB1	1:155:A:ASN:HD21	5	0.34
(1,1036)	1:131:A:ALA:HB2	1:155:A:ASN:HD21	5	0.34
(1,1036)	1:131:A:ALA:HB3	1:155:A:ASN:HD21	5	0.34
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	13	0.34
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	13	0.34
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	13	0.34
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	13	0.34
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	13	0.34
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	13	0.34
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	13	0.34
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	13	0.34
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	7	0.34
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	7	0.34
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	7	0.34
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	7	0.34
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	7	0.34
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	7	0.34
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	18	0.34
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	18	0.34
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	18	0.34
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	3	0.34
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	3	0.34
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	3	0.34
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	10	0.34
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	10	0.34
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	10	0.34
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	15	0.34
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	15	0.34
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	15	0.34
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	13	0.34
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	13	0.34
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	13	0.34
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	6	0.34
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	6	0.34
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	6	0.34
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	4	0.34
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	8	0.34
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	14	0.34
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	19	0.34
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	9	0.34
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	11	0.34
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	18	0.34
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	1	0.34
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	1	0.34
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	1	0.34
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	10	0.34
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	10	0.34
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG2	8	0.33
(1,2836)	1:189:A:MET:H	1:189:A:MET:HG3	8	0.33
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	3	0.33
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	3	0.33
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	16	0.33
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	16	0.33
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	18	0.33
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	18	0.33
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	18	0.33
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	18	0.33
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	18	0.33
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	18	0.33
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	18	0.33
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	18	0.33
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	18	0.33
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	18	0.33
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	18	0.33
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	18	0.33
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD1	18	0.33
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD2	18	0.33
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD1	18	0.33
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD2	18	0.33
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD1	18	0.33
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD2	18	0.33
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD1	18	0.33
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD2	18	0.33
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD1	18	0.33
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD2	18	0.33
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD1	18	0.33
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD2	18	0.33
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	9	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	5	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	5	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	5	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	13	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	13	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	13	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	15	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	15	0.33
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	15	0.33
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	9	0.33
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	9	0.33
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	13	0.33
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	13	0.33
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	13	0.33
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	14	0.33
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	14	0.33
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	14	0.33
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	14	0.33
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	14	0.33
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	14	0.33
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	20	0.33
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	1	0.33
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	5	0.33
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	17	0.33
(1,1342)	1:96:A:LEU:HD11	1:97:A:VAL:H	11	0.33
(1,1342)	1:96:A:LEU:HD12	1:97:A:VAL:H	11	0.33
(1,1342)	1:96:A:LEU:HD13	1:97:A:VAL:H	11	0.33
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	17	0.33
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	17	0.33
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	17	0.33
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	15	0.33
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	15	0.33
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	15	0.33
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	5	0.33
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	5	0.33
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	5	0.33
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	18	0.33
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	18	0.33
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	18	0.33
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	18	0.33
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	18	0.33
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	18	0.33
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	18	0.33
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	18	0.33
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	18	0.33
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	19	0.33
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	19	0.33
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	19	0.33
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	19	0.33
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	19	0.33
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	19	0.33
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	19	0.33
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	19	0.33
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	19	0.33
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	19	0.33
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	19	0.33
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	9	0.33
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	9	0.33
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	9	0.33
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	17	0.33
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	17	0.33
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	17	0.33
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	20	0.33
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	20	0.33
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	20	0.33
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	16	0.33
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	16	0.33
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	16	0.33
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	16	0.33
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	16	0.33
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	16	0.33
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	16	0.33
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	16	0.33
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	16	0.33
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	4	0.33
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	4	0.33
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	4	0.33
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	4	0.33
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	4	0.33
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	4	0.33
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	17	0.33
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	17	0.33
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	17	0.33
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	9	0.33
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	9	0.33
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	9	0.33
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	12	0.33
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	12	0.33
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	12	0.33
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	12	0.33
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	12	0.33
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	12	0.33
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	19	0.33
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	19	0.33
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	19	0.33
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	19	0.33
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	19	0.33
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	3	0.33
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	20	0.33
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	14	0.33
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	19	0.33
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	19	0.33
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	19	0.33
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	6	0.33
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	7	0.33
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	6	0.33
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	6	0.33
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	6	0.33
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	12	0.33
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	12	0.33
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	12	0.33
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	2	0.33
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	10	0.33
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	12	0.33
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	13	0.33
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	18	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	2	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	2	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	2	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	7	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	7	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	7	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	8	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	8	0.33
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	8	0.33
(1,2787)	1:173:A:GLU:HB2	1:174:A:LEU:H	8	0.32
(1,2787)	1:173:A:GLU:HB3	1:174:A:LEU:H	8	0.32
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	14	0.32
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	14	0.32
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	18	0.32
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	18	0.32
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	13	0.32
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	13	0.32
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	13	0.32
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	13	0.32
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	13	0.32
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	7	0.32
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	7	0.32
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	18	0.32
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	18	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	9	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	9	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	9	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	9	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	9	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	9	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	9	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	9	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	9	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	9	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	9	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	9	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	14	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	14	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	14	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	14	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	14	0.32
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	14	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	14	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	14	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	14	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	14	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	14	0.32
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	14	0.32
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	18	0.32
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	18	0.32
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	18	0.32
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	18	0.32
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	18	0.32
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	18	0.32
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	18	0.32
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	18	0.32
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	18	0.32
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	18	0.32
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	18	0.32
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	3	0.32
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	12	0.32
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	15	0.32
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	8	0.32
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	8	0.32
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	8	0.32
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	10	0.32
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	10	0.32
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	10	0.32
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	16	0.32
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	16	0.32
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	16	0.32
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	5	0.32
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	5	0.32
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	5	0.32
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	6	0.32
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	6	0.32
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	6	0.32
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	8	0.32
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	8	0.32
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	8	0.32
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	8	0.32
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	10	0.32
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	16	0.32
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	2	0.32
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	4	0.32
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	16	0.32
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	8	0.32
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	8	0.32
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	8	0.32
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	13	0.32
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	13	0.32
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	13	0.32
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	1	0.32
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	1	0.32
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	13	0.32
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	13	0.32
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	19	0.32
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	19	0.32
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	3	0.32
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	3	0.32
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	6	0.32
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	6	0.32
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	6	0.32
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	9	0.32
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	9	0.32
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	9	0.32
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	8	0.32
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	8	0.32
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	8	0.32
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	10	0.32
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	10	0.32
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	10	0.32
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	19	0.32
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	19	0.32
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	19	0.32
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	20	0.32
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	20	0.32
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	20	0.32
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	4	0.32
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	4	0.32
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	4	0.32
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	11	0.32
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	11	0.32
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	11	0.32
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	12	0.32
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	12	0.32
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	12	0.32
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	18	0.32
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	18	0.32
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	18	0.32
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	12	0.32
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	12	0.32
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	12	0.32
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	12	0.32
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	12	0.32
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	12	0.32
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	12	0.32
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	12	0.32
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	12	0.32
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	2	0.32
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	2	0.32
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	8	0.32
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	8	0.32
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	8	0.32
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	10	0.32
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	10	0.32
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	10	0.32
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	8	0.32
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	8	0.32
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	8	0.32
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	15	0.32
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	15	0.32
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	15	0.32
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	11	0.32
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	11	0.32
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	11	0.32
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	11	0.32
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	11	0.32
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	11	0.32
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	10	0.32
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	3	0.32
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	3	0.32
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	3	0.32
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	7	0.32
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	7	0.32
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	7	0.32
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	7	0.32
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	15	0.32
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	16	0.32
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	17	0.32
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	18	0.32
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	5	0.32
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	9	0.32
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	9	0.32
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	9	0.32
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG11	14	0.32
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG12	14	0.32
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG13	14	0.32
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	9	0.31
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	9	0.31
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	6	0.31
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	6	0.31
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	6	0.31
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	6	0.31
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	6	0.31
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	13	0.31
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	13	0.31
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	13	0.31
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	13	0.31
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	13	0.31
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	13	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	2	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	2	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	4	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	4	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	5	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	5	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	8	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	8	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	15	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	15	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	18	0.31
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	18	0.31
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD11	20	0.31
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD12	20	0.31
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD13	20	0.31
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD21	20	0.31
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD22	20	0.31
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD23	20	0.31
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD11	20	0.31
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD12	20	0.31
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD13	20	0.31
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD21	20	0.31
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD22	20	0.31
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD23	20	0.31
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD1	5	0.31
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD2	5	0.31
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD1	5	0.31
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD2	5	0.31
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD1	5	0.31
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD2	5	0.31
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD1	5	0.31
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD2	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD1	5	0.31
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD2	5	0.31
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD1	5	0.31
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD2	5	0.31
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	11	0.31
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	14	0.31
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	14	0.31
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	14	0.31
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	12	0.31
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	12	0.31
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	1	0.31
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	1	0.31
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	1	0.31
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	14	0.31
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	14	0.31
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	14	0.31
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	13	0.31
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	8	0.31
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	11	0.31
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	19	0.31
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	14	0.31
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	14	0.31
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	14	0.31
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	15	0.31
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	15	0.31
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	16	0.31
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	16	0.31
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	16	0.31
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	17	0.31
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	17	0.31
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	17	0.31
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	19	0.31
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	19	0.31
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	19	0.31
(1,1222)	1:27:A:ARG:HG2	1:28:A:CYS:H	15	0.31
(1,1216)	1:22:A:ILE:H	1:23:A:LYS:H	19	0.31
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	7	0.31
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	7	0.31
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	7	0.31
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	17	0.31
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	17	0.31
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	7	0.31
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	7	0.31
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	7	0.31
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	1	0.31
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	1	0.31
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	1	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	3	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	3	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	3	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	3	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	3	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	3	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	3	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	3	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	3	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	5	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	5	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	5	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	5	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	5	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	5	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	5	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	5	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	5	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	11	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	11	0.31
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	11	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	11	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	11	0.31
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	11	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	11	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	11	0.31
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	11	0.31
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	8	0.31
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	8	0.31
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	8	0.31
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	2	0.31
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	2	0.31
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	2	0.31
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	2	0.31
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	2	0.31
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	8	0.31
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	8	0.31
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	8	0.31
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	17	0.31
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	17	0.31
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	17	0.31
(1,693)	1:42:A:VAL:HG21	1:43:A:ASN:HB3	5	0.31
(1,693)	1:42:A:VAL:HG22	1:43:A:ASN:HB3	5	0.31
(1,693)	1:42:A:VAL:HG23	1:43:A:ASN:HB3	5	0.31
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	4	0.31
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	4	0.31
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	4	0.31
(1,654)	1:21:A:LEU:HD11	1:28:A:CYS:HB2	14	0.31
(1,654)	1:21:A:LEU:HD12	1:28:A:CYS:HB2	14	0.31
(1,654)	1:21:A:LEU:HD13	1:28:A:CYS:HB2	14	0.31
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	18	0.31
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	17	0.31
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	17	0.31
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	17	0.31
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	5	0.31
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	5	0.31
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	5	0.31
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	11	0.31
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	11	0.31
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	11	0.31
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	18	0.31
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	18	0.31
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	18	0.31
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	19	0.31
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	19	0.31
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	19	0.31
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	6	0.31
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	19	0.31
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	8	0.31
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	16	0.31
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	16	0.31
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	16	0.31
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	2	0.3
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	2	0.3
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	2	0.3
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	2	0.3
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	2	0.3
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	2	0.3
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	2	0.3
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	2	0.3
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	2	0.3
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	2	0.3
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	2	0.3
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	10	0.3
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	10	0.3
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	5	0.3
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	5	0.3
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	5	0.3
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	5	0.3
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	5	0.3
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	5	0.3
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	5	0.3
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	5	0.3
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	5	0.3
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	5	0.3
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	5	0.3
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	5	0.3
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	5	0.3
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	5	0.3
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	5	0.3
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	5	0.3
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	5	0.3
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	5	0.3
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	18	0.3
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	18	0.3
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	2	0.3
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	2	0.3
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	2	0.3
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	2	0.3
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	2	0.3
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	2	0.3
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	11	0.3
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	11	0.3
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	11	0.3
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	11	0.3
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	11	0.3
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	11	0.3
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	11	0.3
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	11	0.3
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	11	0.3
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	11	0.3
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	11	0.3
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	2	0.3
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	2	0.3
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	2	0.3
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	2	0.3
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	2	0.3
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	2	0.3
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	2	0.3
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	2	0.3
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	2	0.3
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	2	0.3
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	2	0.3
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	2	0.3
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	2	0.3
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	2	0.3
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	2	0.3
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	2	0.3
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	2	0.3
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	2	0.3
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	11	0.3
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	11	0.3
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	11	0.3
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	11	0.3
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	11	0.3
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	11	0.3
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	11	0.3
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	11	0.3
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	11	0.3
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	11	0.3
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	11	0.3
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	11	0.3
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	13	0.3
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	17	0.3
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	13	0.3
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	13	0.3
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	6	0.3
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	6	0.3
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	7	0.3
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	7	0.3
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	7	0.3
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	17	0.3
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	17	0.3
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	17	0.3
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	10	0.3
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	14	0.3
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	10	0.3
(1,1342)	1:96:A:LEU:HD11	1:97:A:VAL:H	10	0.3
(1,1342)	1:96:A:LEU:HD12	1:97:A:VAL:H	10	0.3
(1,1342)	1:96:A:LEU:HD13	1:97:A:VAL:H	10	0.3
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	8	0.3
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	8	0.3
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	16	0.3
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	16	0.3
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	18	0.3
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	18	0.3
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	2	0.3
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	2	0.3
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	2	0.3
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	7	0.3
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	7	0.3
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	7	0.3
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	8	0.3
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	8	0.3
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	8	0.3
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	3	0.3
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	3	0.3
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	3	0.3
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	12	0.3
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	12	0.3
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	12	0.3
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	11	0.3
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	11	0.3
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	11	0.3
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	17	0.3
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	17	0.3
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	17	0.3
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	10	0.3
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	10	0.3
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	10	0.3
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	10	0.3
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	10	0.3
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	18	0.3
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	18	0.3
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	18	0.3
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	18	0.3
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	18	0.3
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	18	0.3
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	12	0.3
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	2	0.3
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	12	0.3
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	4	0.3
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	4	0.3
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	4	0.3
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	8	0.3
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	8	0.3
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	8	0.3
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	16	0.3
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	16	0.3
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	16	0.3
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	12	0.3
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	19	0.3
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	19	0.3
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	19	0.3
(1,44)	1:29:A:LEU:H	1:29:A:LEU:HG	15	0.3
(1,2784)	1:173:A:GLU:H	1:173:A:GLU:HG2	8	0.29
(1,2784)	1:173:A:GLU:H	1:173:A:GLU:HG3	8	0.29
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	2	0.29
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	2	0.29
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	4	0.29
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	4	0.29
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	11	0.29
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	11	0.29
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	17	0.29
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	17	0.29
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	20	0.29
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	20	0.29
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	5	0.29
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	5	0.29
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	5	0.29
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	5	0.29
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	5	0.29
(1,2595)	1:121:A:LYS:H	1:121:A:LYS:HG2	5	0.29
(1,2595)	1:121:A:LYS:H	1:121:A:LYS:HG3	5	0.29
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	14	0.29
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	14	0.29
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	1	0.29
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	1	0.29
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	1	0.29
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	1	0.29
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	1	0.29
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	1	0.29
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	17	0.29
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	17	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	6	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	6	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	6	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	6	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	6	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	6	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	6	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	6	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	6	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	6	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	6	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	6	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	8	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	8	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	8	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	8	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	8	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	8	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	8	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	8	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	8	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	8	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	8	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	8	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	15	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	15	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	15	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	15	0.29
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	15	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	15	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	15	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	15	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	15	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	15	0.29
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	15	0.29
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	15	0.29
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	15	0.29
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	15	0.29
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	15	0.29
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	15	0.29
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	15	0.29
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	15	0.29
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	15	0.29
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	15	0.29
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	15	0.29
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	15	0.29
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	15	0.29
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	15	0.29
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	15	0.29
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	15	0.29
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	15	0.29
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	15	0.29
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	15	0.29
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	19	0.29
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	19	0.29
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	19	0.29
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	19	0.29
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	19	0.29
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	19	0.29
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	19	0.29
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	19	0.29
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	19	0.29
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	19	0.29
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	19	0.29
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	19	0.29
(1,1956)	1:108:A:LYS:HA	1:111:A:ASN:HD21	7	0.29
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	4	0.29
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	5	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	3	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	3	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	9	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	9	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	9	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	18	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	18	0.29
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	18	0.29
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	3	0.29
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	3	0.29
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	6	0.29
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	6	0.29
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	12	0.29
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	12	0.29
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	12	0.29
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	19	0.29
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	19	0.29
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	19	0.29
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	1	0.29
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	8	0.29
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	16	0.29
(1,1364)	1:113:A:ILE:HB	1:114:A:VAL:H	9	0.29
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	9	0.29
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	10	0.29
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	12	0.29
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	20	0.29
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	2	0.29
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	2	0.29
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	18	0.29
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	18	0.29
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	18	0.29
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	11	0.29
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	11	0.29
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	11	0.29
(1,1219)	1:23:A:LYS:HB2	1:24:A:LEU:H	15	0.29
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	11	0.29
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	11	0.29
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	11	0.29
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	15	0.29
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	15	0.29
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	15	0.29
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	13	0.29
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	13	0.29
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	15	0.29
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	15	0.29
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	15	0.29
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	2	0.29
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	2	0.29
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	2	0.29
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	20	0.29
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	20	0.29
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	20	0.29
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	20	0.29
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	20	0.29
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	20	0.29
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	20	0.29
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	20	0.29
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	20	0.29
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	16	0.29
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	16	0.29
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	16	0.29
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	1	0.29
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	1	0.29
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	1	0.29
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	19	0.29
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	19	0.29
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	19	0.29
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	19	0.29
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	19	0.29
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	19	0.29
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	19	0.29
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	19	0.29
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	19	0.29
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD11	13	0.29
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD12	13	0.29
(1,849)	1:108:A:LYS:H	1:109:A:ILE:HD13	13	0.29
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	18	0.29
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	18	0.29
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	18	0.29
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	18	0.29
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	18	0.29
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	18	0.29
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	2	0.29
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	2	0.29
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	9	0.29
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	9	0.29
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	9	0.29
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	9	0.29
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	3	0.29
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	13	0.29
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	2	0.29
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	2	0.29
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	2	0.29
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	9	0.29
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	9	0.29
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	9	0.29
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	10	0.29
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	10	0.29
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	10	0.29
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	20	0.29
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	20	0.29
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	20	0.29
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	1	0.29
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	3	0.29
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	13	0.29
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	20	0.29
(1,445)	1:27:A:ARG:HG3	1:28:A:CYS:H	7	0.29
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE2	18	0.28
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE3	18	0.28
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	9	0.28
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	9	0.28
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	16	0.28
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	16	0.28
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	12	0.28
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	12	0.28
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	12	0.28
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	12	0.28
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	15	0.28
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	15	0.28
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	3	0.28
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	3	0.28
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	3	0.28
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	3	0.28
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	3	0.28
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	15	0.28
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	15	0.28
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	15	0.28
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	15	0.28
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	15	0.28
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	15	0.28
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	10	0.28
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	10	0.28
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	17	0.28
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	17	0.28
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	17	0.28
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	17	0.28
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	17	0.28
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	17	0.28
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	17	0.28
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	17	0.28
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	17	0.28
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	17	0.28
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	17	0.28
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	17	0.28
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	7	0.28
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	20	0.28
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	4	0.28
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	4	0.28
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	4	0.28
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	10	0.28
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	10	0.28
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	10	0.28
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	20	0.28
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	20	0.28
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	20	0.28
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	11	0.28
(1,1466)	1:184:A:LEU:HG	1:185:A:LYS:H	4	0.28
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	6	0.28
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	6	0.28
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	1	0.28
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	1	0.28
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	1	0.28
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	14	0.28
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	14	0.28
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	9	0.28
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	9	0.28
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	9	0.28
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	13	0.28
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	13	0.28
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	13	0.28
(1,1058)	1:56:A:THR:HG21	1:59:A:TYR:H	15	0.28
(1,1058)	1:56:A:THR:HG22	1:59:A:TYR:H	15	0.28
(1,1058)	1:56:A:THR:HG23	1:59:A:TYR:H	15	0.28
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	17	0.28
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	17	0.28
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	17	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	6	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	6	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	6	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	6	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	6	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	6	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	6	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	6	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	6	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	20	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	20	0.28
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	20	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	20	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	20	0.28
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	20	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	20	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	20	0.28
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	20	0.28
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	1	0.28
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	1	0.28
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	1	0.28
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	1	0.28
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	1	0.28
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	1	0.28
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	18	0.28
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	18	0.28
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	18	0.28
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	17	0.28
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	17	0.28
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	17	0.28
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	17	0.28
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	17	0.28
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	5	0.28
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	5	0.28
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	5	0.28
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	20	0.28
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	20	0.28
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	20	0.28
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	10	0.28
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	10	0.28
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	10	0.28
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	11	0.28
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	15	0.28
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	11	0.28
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	1	0.28
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	1	0.28
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	1	0.28
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	5	0.28
(1,477)	1:57:A:LYS:HG3	1:58:A:GLU:H	8	0.28
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	18	0.28
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	18	0.28
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	18	0.28
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG21	11	0.28
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG22	11	0.28
(1,89)	1:42:A:VAL:H	1:42:A:VAL:HG23	11	0.28
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG11	5	0.28
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG12	5	0.28
(1,87)	1:42:A:VAL:H	1:42:A:VAL:HG13	5	0.28
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	14	0.27
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	14	0.27
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	14	0.27
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	14	0.27
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	14	0.27
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	14	0.27
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	3	0.27
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	3	0.27
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	7	0.27
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	7	0.27
(1,2763)	1:164:A:GLN:HG2	1:165:A:LYS:H	13	0.27
(1,2763)	1:164:A:GLN:HG3	1:165:A:LYS:H	13	0.27
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	19	0.27
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	19	0.27
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	19	0.27
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	19	0.27
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	19	0.27
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	2	0.27
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	2	0.27
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	2	0.27
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	2	0.27
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	12	0.27
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	12	0.27
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	13	0.27
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	13	0.27
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	12	0.27
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	12	0.27
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	19	0.27
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	19	0.27
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG2	9	0.27
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG3	9	0.27
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	19	0.27
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	19	0.27
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	19	0.27
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	19	0.27
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	19	0.27
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	19	0.27
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	19	0.27
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	19	0.27
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	19	0.27
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	19	0.27
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	19	0.27
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	19	0.27
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	19	0.27
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	19	0.27
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	19	0.27
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	19	0.27
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	19	0.27
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	19	0.27
(1,1966)	1:164:A:GLN:HG3	1:164:A:GLN:HE22	1	0.27
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	10	0.27
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	16	0.27
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	1	0.27
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	4	0.27
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	4	0.27
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	19	0.27
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	19	0.27
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	12	0.27
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	12	0.27
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	12	0.27
(1,1830)	1:60:A:ILE:HG21	1:63:A:ALA:H	2	0.27
(1,1830)	1:60:A:ILE:HG22	1:63:A:ALA:H	2	0.27
(1,1830)	1:60:A:ILE:HG23	1:63:A:ALA:H	2	0.27
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	3	0.27
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	12	0.27
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	12	0.27
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	12	0.27
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	4	0.27
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	4	0.27
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	20	0.27
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	20	0.27
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	20	0.27
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	2	0.27
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	2	0.27
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	2	0.27
(1,1125)	1:30:A:ILE:HD11	1:60:A:ILE:HB	3	0.27
(1,1125)	1:30:A:ILE:HD12	1:60:A:ILE:HB	3	0.27
(1,1125)	1:30:A:ILE:HD13	1:60:A:ILE:HB	3	0.27
(1,1092)	1:42:A:VAL:HG21	1:43:A:ASN:HB2	5	0.27
(1,1092)	1:42:A:VAL:HG22	1:43:A:ASN:HB2	5	0.27
(1,1092)	1:42:A:VAL:HG23	1:43:A:ASN:HB2	5	0.27
(1,1092)	1:42:A:VAL:HG21	1:43:A:ASN:HB2	14	0.27
(1,1092)	1:42:A:VAL:HG22	1:43:A:ASN:HB2	14	0.27
(1,1092)	1:42:A:VAL:HG23	1:43:A:ASN:HB2	14	0.27
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	1	0.27
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	1	0.27
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	1	0.27
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	1	0.27
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	1	0.27
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	1	0.27
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	1	0.27
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	1	0.27
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	1	0.27
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	16	0.27
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	16	0.27
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	7	0.27
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	7	0.27
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	7	0.27
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	7	0.27
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	7	0.27
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	7	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	4	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	4	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	4	0.27
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	4	0.27
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	4	0.27
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	4	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	20	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	20	0.27
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	20	0.27
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	20	0.27
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	20	0.27
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	20	0.27
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	6	0.27
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	6	0.27
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	6	0.27
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	5	0.27
(1,615)	1:1:A:MET:HE1	1:96:A:LEU:HA	13	0.27
(1,615)	1:1:A:MET:HE2	1:96:A:LEU:HA	13	0.27
(1,615)	1:1:A:MET:HE3	1:96:A:LEU:HA	13	0.27
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	13	0.27
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	13	0.27
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	13	0.27
(1,570)	1:163:A:TYR:HB2	1:164:A:GLN:H	11	0.27
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	11	0.27
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	11	0.27
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	11	0.27
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	10	0.27
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	10	0.27
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	10	0.27
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	1	0.27
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	15	0.27
(1,433)	1:4:A:LEU:HD11	1:5:A:ILE:H	14	0.27
(1,433)	1:4:A:LEU:HD12	1:5:A:ILE:H	14	0.27
(1,433)	1:4:A:LEU:HD13	1:5:A:ILE:H	14	0.27
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	2	0.26
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	2	0.26
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	2	0.26
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	2	0.26
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	2	0.26
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	3	0.26
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	3	0.26
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	3	0.26
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	3	0.26
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	3	0.26
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	3	0.26
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE2	17	0.26
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE3	17	0.26
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	5	0.26
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	5	0.26
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	19	0.26
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	19	0.26
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG2	5	0.26
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG3	5	0.26
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG2	5	0.26
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG3	5	0.26
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG2	5	0.26
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG3	5	0.26
(1,2483)	1:93:A:GLU:HG2	1:94:A:PRO:HD3	2	0.26
(1,2483)	1:93:A:GLU:HG3	1:94:A:PRO:HD3	2	0.26
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	1	0.26
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	1	0.26
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	6	0.26
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	6	0.26
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	1	0.26
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	1	0.26
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	1	0.26
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	1	0.26
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	1	0.26
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	1	0.26
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	1	0.26
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	1	0.26
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	1	0.26
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	1	0.26
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	1	0.26
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	1	0.26
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	1	0.26
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	1	0.26
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	1	0.26
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	1	0.26
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	1	0.26
(1,1966)	1:164:A:GLN:HG3	1:164:A:GLN:HE22	13	0.26
(1,1956)	1:108:A:LYS:HA	1:111:A:ASN:HD21	20	0.26
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	6	0.26
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	1	0.26
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	2	0.26
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	4	0.26
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	4	0.26
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	4	0.26
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	12	0.26
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	12	0.26
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	12	0.26
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	19	0.26
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	20	0.26
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	11	0.26
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	10	0.26
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	10	0.26
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	10	0.26
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	12	0.26
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	12	0.26
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	14	0.26
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	14	0.26
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	13	0.26
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	13	0.26
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	13	0.26
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	4	0.26
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	16	0.26
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	16	0.26
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	16	0.26
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	9	0.26
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	9	0.26
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	9	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	6	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	6	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	6	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	6	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	6	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	6	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	6	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	6	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	8	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	8	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	8	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	8	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	8	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	8	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	8	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	8	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	8	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	14	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	14	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	14	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	14	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	14	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	14	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	14	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	14	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	14	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	16	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	16	0.26
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	16	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	16	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	16	0.26
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	16	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	16	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	16	0.26
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	16	0.26
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	10	0.26
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	10	0.26
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	10	0.26
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	6	0.26
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	6	0.26
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	6	0.26
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	10	0.26
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	10	0.26
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	10	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	3	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	3	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	3	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	3	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	3	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	8	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	8	0.26
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	8	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	8	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	8	0.26
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	8	0.26
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	15	0.26
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	15	0.26
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	15	0.26
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	1	0.26
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	6	0.26
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	6	0.26
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	6	0.26
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE1	5	0.26
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE2	5	0.26
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE3	5	0.26
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	2	0.26
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	2	0.26
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	2	0.26
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	5	0.26
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	5	0.26
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	5	0.26
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	14	0.26
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	14	0.26
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	14	0.26
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	14	0.26
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	14	0.26
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	14	0.26
(1,442)	1:23:A:LYS:HG3	1:24:A:LEU:H	9	0.26
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	1	0.25
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	1	0.25
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	1	0.25
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	1	0.25
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	15	0.25
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	15	0.25
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	15	0.25
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	15	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	1	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	1	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	1	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	1	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	1	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	1	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	1	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	1	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	1	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	1	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	1	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	1	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	1	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	1	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	1	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	1	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	1	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	13	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	13	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	13	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	13	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	13	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	13	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	13	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	13	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	13	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	13	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	13	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	13	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	13	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	13	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	13	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	13	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	13	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	13	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	14	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	14	0.25
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	14	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	14	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	14	0.25
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	14	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	14	0.25
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	14	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	14	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	14	0.25
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	14	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	14	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	14	0.25
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	14	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	14	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	14	0.25
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	14	0.25
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	12	0.25
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	12	0.25
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	12	0.25
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	12	0.25
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	12	0.25
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	12	0.25
(1,2537)	1:108:A:LYS:HD2	1:109:A:ILE:H	13	0.25
(1,2537)	1:108:A:LYS:HD3	1:109:A:ILE:H	13	0.25
(1,2506)	1:96:A:LEU:HD11	1:155:A:ASN:HA	10	0.25
(1,2506)	1:96:A:LEU:HD12	1:155:A:ASN:HA	10	0.25
(1,2506)	1:96:A:LEU:HD13	1:155:A:ASN:HA	10	0.25
(1,2506)	1:96:A:LEU:HD21	1:155:A:ASN:HA	10	0.25
(1,2506)	1:96:A:LEU:HD22	1:155:A:ASN:HA	10	0.25
(1,2506)	1:96:A:LEU:HD23	1:155:A:ASN:HA	10	0.25
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	14	0.25
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	14	0.25
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	16	0.25
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	16	0.25
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG2	2	0.25
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG3	2	0.25
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	9	0.25
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	9	0.25
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	17	0.25
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	17	0.25
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD1	4	0.25
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD2	4	0.25
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD1	4	0.25
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD2	4	0.25
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD1	4	0.25
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD2	4	0.25
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD1	4	0.25
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD1	4	0.25
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD2	4	0.25
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD1	4	0.25
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD2	4	0.25
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD1	19	0.25
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD2	19	0.25
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD1	19	0.25
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD2	19	0.25
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD1	19	0.25
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD2	19	0.25
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD1	19	0.25
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD2	19	0.25
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD1	19	0.25
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD2	19	0.25
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD1	19	0.25
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD2	19	0.25
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	6	0.25
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	6	0.25
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	17	0.25
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	17	0.25
(1,2012)	1:139:A:TYR:HD1	1:141:A:ASN:H	15	0.25
(1,2012)	1:139:A:TYR:HD2	1:141:A:ASN:H	15	0.25
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	14	0.25
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	18	0.25
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	8	0.25
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	8	0.25
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	16	0.25
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	16	0.25
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	19	0.25
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	19	0.25
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	19	0.25
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	15	0.25
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	15	0.25
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	16	0.25
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	4	0.25
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	18	0.25
(1,1364)	1:113:A:ILE:HB	1:114:A:VAL:H	7	0.25
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	5	0.25
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	5	0.25
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	5	0.25
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	11	0.25
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	11	0.25
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	20	0.25
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	20	0.25
(1,1263)	1:49:A:THR:HG21	1:50:A:SER:H	12	0.25
(1,1263)	1:49:A:THR:HG22	1:50:A:SER:H	12	0.25
(1,1263)	1:49:A:THR:HG23	1:50:A:SER:H	12	0.25
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	19	0.25
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	10	0.25
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	10	0.25
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	10	0.25
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	11	0.25
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	11	0.25
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	11	0.25
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	10	0.25
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	10	0.25
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	10	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	9	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	9	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	9	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	9	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	9	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	9	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	9	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	9	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	9	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	10	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	10	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	10	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	10	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	10	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	10	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	10	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	10	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	10	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	15	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	15	0.25
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	15	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	15	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	15	0.25
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	15	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	15	0.25
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	15	0.25
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	4	0.25
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	4	0.25
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	4	0.25
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	18	0.25
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	18	0.25
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	18	0.25
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	4	0.25
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	4	0.25
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	4	0.25
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	15	0.25
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	15	0.25
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	15	0.25
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	15	0.25
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	15	0.25
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	15	0.25
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	15	0.25
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	15	0.25
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	15	0.25
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	14	0.25
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	14	0.25
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	14	0.25
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	1	0.25
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	1	0.25
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	1	0.25
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	1	0.25
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	1	0.25
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	1	0.25
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	8	0.25
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	8	0.25
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	8	0.25
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	19	0.25
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	19	0.25
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	19	0.25
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	1	0.25
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	1	0.25
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	1	0.25
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	14	0.25
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	14	0.25
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	14	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	3	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	3	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	4	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	4	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	4	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	9	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	9	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	9	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	10	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	10	0.25
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	10	0.25
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	7	0.25
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	7	0.25
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	7	0.25
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	1	0.25
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	1	0.25
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	1	0.25
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	9	0.25
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	10	0.25
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	10	0.25
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	10	0.25
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	3	0.25
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	3	0.25
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	3	0.25
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	20	0.25
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	17	0.25
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	17	0.25
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	17	0.25
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	4	0.25
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	4	0.25
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	4	0.25
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	6	0.25
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	6	0.25
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	6	0.25
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	20	0.25
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	20	0.25
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	20	0.25
(1,18)	1:21:A:LEU:H	1:21:A:LEU:HG	3	0.25
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	6	0.24
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	6	0.24
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	6	0.24
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	6	0.24
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	6	0.24
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	6	0.24
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	6	0.24
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE21	7	0.24
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE22	7	0.24
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE21	7	0.24
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE22	7	0.24
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE21	7	0.24
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE22	7	0.24
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE21	7	0.24
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE22	7	0.24
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE21	7	0.24
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE22	7	0.24
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE21	7	0.24
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE22	7	0.24
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	12	0.24
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	12	0.24
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	12	0.24
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	12	0.24
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	12	0.24
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	12	0.24
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	12	0.24
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	12	0.24
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	12	0.24
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	12	0.24
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	12	0.24
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	12	0.24
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	8	0.24
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	8	0.24
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	11	0.24
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	11	0.24
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	11	0.24
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	11	0.24
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	11	0.24
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	11	0.24
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	2	0.24
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	2	0.24
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	2	0.24
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	2	0.24
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	2	0.24
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	2	0.24
(1,2446)	1:83:A:ASP:HA	1:86:A:GLU:HG2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2446)	1:83:A:ASP:HA	1:86:A:GLU:HG3	18	0.24
(1,2353)	1:58:A:GLU:HG2	1:59:A:TYR:H	14	0.24
(1,2353)	1:58:A:GLU:HG3	1:59:A:TYR:H	14	0.24
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	2	0.24
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	2	0.24
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	2	0.24
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	2	0.24
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	2	0.24
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	2	0.24
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	2	0.24
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	2	0.24
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	2	0.24
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	2	0.24
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	2	0.24
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	2	0.24
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	12	0.24
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	12	0.24
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	15	0.24
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	15	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	3	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	3	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	3	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	3	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	3	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	3	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	3	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	3	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	3	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	3	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	3	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	3	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	15	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	15	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	15	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	15	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	15	0.24
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	15	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	15	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	15	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	15	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	15	0.24
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	15	0.24
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	11	0.24
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	11	0.24
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	12	0.24
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	12	0.24
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	17	0.24
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	8	0.24
(1,1918)	1:136:A:LYS:H	1:149:A:LEU:HA	17	0.24
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	1	0.24
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	1	0.24
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	1	0.24
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	7	0.24
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	7	0.24
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	7	0.24
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	9	0.24
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	9	0.24
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	18	0.24
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	18	0.24
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	4	0.24
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	4	0.24
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	4	0.24
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	1	0.24
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	16	0.24
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	12	0.24
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	1	0.24
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	2	0.24
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	7	0.24
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	9	0.24
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	4	0.24
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	12	0.24
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	20	0.24
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	20	0.24
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	20	0.24
(1,1222)	1:27:A:ARG:HG2	1:28:A:CYS:H	16	0.24
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	6	0.24
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	7	0.24
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	12	0.24
(1,1219)	1:23:A:LYS:HB2	1:24:A:LEU:H	3	0.24
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	6	0.24
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	6	0.24
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	6	0.24
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	13	0.24
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	13	0.24
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	16	0.24
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	16	0.24
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	16	0.24
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	4	0.24
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	4	0.24
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	4	0.24
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	4	0.24
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	4	0.24
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	4	0.24
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	4	0.24
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	4	0.24
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	4	0.24
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	11	0.24
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	11	0.24
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	11	0.24
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	11	0.24
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	11	0.24
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	11	0.24
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	11	0.24
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	11	0.24
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	11	0.24
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	2	0.24
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	2	0.24
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	2	0.24
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	7	0.24
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	7	0.24
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	7	0.24
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	1	0.24
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	1	0.24
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	1	0.24
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	4	0.24
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	4	0.24
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	4	0.24
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	4	0.24
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	4	0.24
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	4	0.24
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	4	0.24
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	4	0.24
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	4	0.24
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	16	0.24
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	16	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	4	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	4	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	4	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	12	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	12	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	12	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	15	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	15	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	15	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	20	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	20	0.24
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	20	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	5	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	5	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	5	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	5	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	5	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	5	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	6	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	6	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	6	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	6	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	6	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	6	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	13	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	13	0.24
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	13	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	13	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	13	0.24
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	13	0.24
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	2	0.24
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	2	0.24
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	2	0.24
(1,641)	1:6:A:MET:HA	1:8:A:GLY:H	17	0.24
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	17	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	2	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	2	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	2	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	5	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	5	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	10	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	10	0.24
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	10	0.24
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	4	0.24
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	4	0.24
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	4	0.24
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	7	0.24
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	7	0.24
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	7	0.24
(1,18)	1:21:A:LEU:H	1:21:A:LEU:HG	16	0.24
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	7	0.23
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	7	0.23
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	7	0.23
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	7	0.23
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	7	0.23
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	7	0.23
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	20	0.23
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	20	0.23
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	14	0.23
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	14	0.23
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	14	0.23
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	14	0.23
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	14	0.23
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	14	0.23
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	20	0.23
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	20	0.23
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	20	0.23
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	20	0.23
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	20	0.23
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	20	0.23
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	20	0.23
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	20	0.23
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	20	0.23
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	20	0.23
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	20	0.23
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	20	0.23
(1,2602)	1:121:A:LYS:HG2	1:125:A:PRO:HA	15	0.23
(1,2602)	1:121:A:LYS:HG3	1:125:A:PRO:HA	15	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	2	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	2	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	4	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	10	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	10	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	16	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	16	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	17	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	17	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	20	0.23
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	20	0.23
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	6	0.23
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	6	0.23
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	6	0.23
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	6	0.23
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	6	0.23
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	6	0.23
(1,2506)	1:96:A:LEU:HD11	1:155:A:ASN:HA	13	0.23
(1,2506)	1:96:A:LEU:HD12	1:155:A:ASN:HA	13	0.23
(1,2506)	1:96:A:LEU:HD13	1:155:A:ASN:HA	13	0.23
(1,2506)	1:96:A:LEU:HD21	1:155:A:ASN:HA	13	0.23
(1,2506)	1:96:A:LEU:HD22	1:155:A:ASN:HA	13	0.23
(1,2506)	1:96:A:LEU:HD23	1:155:A:ASN:HA	13	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	8	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	8	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	8	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	8	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	8	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	8	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	9	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	9	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	9	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	9	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	9	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	9	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	10	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	10	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	10	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	10	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	10	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	10	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	12	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	12	0.23
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	12	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	12	0.23
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	12	0.23
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	1	0.23
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	1	0.23
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	1	0.23
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	1	0.23
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	1	0.23
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	1	0.23
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	1	0.23
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	1	0.23
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	1	0.23
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	1	0.23
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	1	0.23
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	1	0.23
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG2	3	0.23
(1,2327)	1:55:A:LYS:H	1:55:A:LYS:HG3	3	0.23
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	4	0.23
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	4	0.23
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	7	0.23
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	7	0.23
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	7	0.23
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	7	0.23
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	7	0.23
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	7	0.23
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	7	0.23
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	7	0.23
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	7	0.23
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	7	0.23
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	7	0.23
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	7	0.23
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	7	0.23
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	7	0.23
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	7	0.23
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	7	0.23
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	7	0.23
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	7	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	1	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	1	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	1	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	1	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	1	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	1	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	1	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	1	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	1	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	1	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	1	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	2	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	2	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	2	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	2	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	2	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	2	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	2	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	2	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	2	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	2	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	2	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	2	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	12	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	12	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	12	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	12	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	12	0.23
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	12	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	12	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	12	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	12	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	12	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	12	0.23
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	12	0.23
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	13	0.23
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	13	0.23
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	13	0.23
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	13	0.23
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	13	0.23
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	13	0.23
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	1	0.23
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	1	0.23
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	7	0.23
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	7	0.23
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	12	0.23
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	14	0.23
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	14	0.23
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	15	0.23
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	15	0.23
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	19	0.23
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	19	0.23
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	14	0.23
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	14	0.23
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	14	0.23
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	14	0.23
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	14	0.23
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	14	0.23
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	14	0.23
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	14	0.23
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	14	0.23
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	14	0.23
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	14	0.23
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	14	0.23
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	14	0.23
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	14	0.23
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	14	0.23
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	14	0.23
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	14	0.23
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	14	0.23
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	20	0.23
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	20	0.23
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	11	0.23
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	19	0.23
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	7	0.23
(1,1949)	1:69:A:ASN:HA	1:69:A:ASN:HD22	19	0.23
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	14	0.23
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	14	0.23
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	13	0.23
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	4	0.23
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	6	0.23
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	8	0.23
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	13	0.23
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	9	0.23
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	18	0.23
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	8	0.23
(1,1591)	1:102:A:LEU:H	1:102:A:LEU:HG	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	4	0.23
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	4	0.23
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	4	0.23
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	5	0.23
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	5	0.23
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	5	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	5	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	8	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	10	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	13	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	14	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	15	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	17	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	19	0.23
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	20	0.23
(1,1351)	1:107:A:SER:HA	1:108:A:LYS:H	7	0.23
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	1	0.23
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	1	0.23
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	1	0.23
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	6	0.23
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	6	0.23
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	6	0.23
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	6	0.23
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	6	0.23
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	6	0.23
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	13	0.23
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	13	0.23
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	13	0.23
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	4	0.23
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	4	0.23
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	4	0.23
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	1	0.23
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	1	0.23
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	1	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	5	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	5	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	5	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	8	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	8	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	8	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	14	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	14	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	16	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	16	0.23
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	16	0.23
(1,664)	1:96:A:LEU:HD11	1:154:A:ILE:HA	11	0.23
(1,664)	1:96:A:LEU:HD12	1:154:A:ILE:HA	11	0.23
(1,664)	1:96:A:LEU:HD13	1:154:A:ILE:HA	11	0.23
(1,570)	1:163:A:TYR:HB2	1:164:A:GLN:H	2	0.23
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	11	0.23
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	11	0.23
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	11	0.23
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	13	0.23
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	13	0.23
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	13	0.23
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	5	0.23
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	13	0.23
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	13	0.23
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	13	0.23
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	11	0.23
(1,432)	1:4:A:LEU:HG	1:5:A:ILE:H	14	0.23
(1,244)	1:110:A:ILE:HA	1:110:A:ILE:HG13	6	0.23
(1,44)	1:29:A:LEU:H	1:29:A:LEU:HG	4	0.23
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	9	0.22
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	9	0.22
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	9	0.22
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	9	0.22
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	9	0.22
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	9	0.22
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	17	0.22
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	17	0.22
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	17	0.22
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	17	0.22
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	17	0.22
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	17	0.22
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	5	0.22
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	5	0.22
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	5	0.22
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	5	0.22
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	5	0.22
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	5	0.22
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	4	0.22
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	4	0.22
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	4	0.22
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	4	0.22
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	4	0.22
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	4	0.22
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	4	0.22
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	4	0.22
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	4	0.22
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	4	0.22
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	4	0.22
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE2	15	0.22
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE3	15	0.22
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	15	0.22
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	15	0.22
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE21	20	0.22
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE22	20	0.22
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE21	20	0.22
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE22	20	0.22
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE21	20	0.22
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE22	20	0.22
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE21	20	0.22
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE22	20	0.22
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE21	20	0.22
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE22	20	0.22
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE21	20	0.22
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE22	20	0.22
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	13	0.22
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	13	0.22
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	13	0.22
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	13	0.22
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	13	0.22
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	13	0.22
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	9	0.22
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	9	0.22
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	9	0.22
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	9	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	5	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	5	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	5	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	5	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	5	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	5	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	5	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	5	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	5	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	5	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	5	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	7	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	7	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	7	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	7	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	7	0.22
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	7	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	7	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	7	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	7	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	7	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	7	0.22
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	7	0.22
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	5	0.22
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	5	0.22
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	5	0.22
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	5	0.22
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	5	0.22
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	5	0.22
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	5	0.22
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	5	0.22
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	5	0.22
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	5	0.22
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	5	0.22
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	5	0.22
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	7	0.22
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	7	0.22
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	7	0.22
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	7	0.22
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	7	0.22
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	7	0.22
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	7	0.22
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	7	0.22
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	7	0.22
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	7	0.22
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	7	0.22
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	9	0.22
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	9	0.22
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	9	0.22
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	9	0.22
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	9	0.22
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	9	0.22
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	9	0.22
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	9	0.22
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	9	0.22
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	9	0.22
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	9	0.22
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	9	0.22
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	3	0.22
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	3	0.22
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	3	0.22
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	3	0.22
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	3	0.22
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	3	0.22
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	3	0.22
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	3	0.22
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	3	0.22
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	3	0.22
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	3	0.22
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	3	0.22
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	3	0.22
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	3	0.22
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	3	0.22
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	3	0.22
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	3	0.22
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	3	0.22
(1,2602)	1:121:A:LYS:HG2	1:125:A:PRO:HA	12	0.22
(1,2602)	1:121:A:LYS:HG3	1:125:A:PRO:HA	12	0.22
(1,2601)	1:121:A:LYS:HG2	1:122:A:ALA:H	5	0.22
(1,2601)	1:121:A:LYS:HG3	1:122:A:ALA:H	5	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	5	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	5	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	15	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	15	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	19	0.22
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	19	0.22
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	16	0.22
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	16	0.22
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	16	0.22
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	16	0.22
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	16	0.22
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB2	20	0.22
(1,2426)	1:77:A:GLY:H	1:78:A:LYS:HB3	20	0.22
(1,2353)	1:58:A:GLU:HG2	1:59:A:TYR:H	4	0.22
(1,2353)	1:58:A:GLU:HG3	1:59:A:TYR:H	4	0.22
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	14	0.22
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	14	0.22
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	19	0.22
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	19	0.22
(1,2179)	1:30:A:ILE:HA	1:34:A:VAL:HG11	1	0.22
(1,2179)	1:30:A:ILE:HA	1:34:A:VAL:HG12	1	0.22
(1,2179)	1:30:A:ILE:HA	1:34:A:VAL:HG13	1	0.22
(1,2179)	1:30:A:ILE:HA	1:34:A:VAL:HG21	1	0.22
(1,2179)	1:30:A:ILE:HA	1:34:A:VAL:HG22	1	0.22
(1,2179)	1:30:A:ILE:HA	1:34:A:VAL:HG23	1	0.22
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	2	0.22
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	2	0.22
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	19	0.22
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	19	0.22
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	5	0.22
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	8	0.22
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	14	0.22
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD11	8	0.22
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD12	8	0.22
(1,1884)	1:109:A:ILE:H	1:110:A:ILE:HD13	8	0.22
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	7	0.22
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	7	0.22
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	10	0.22
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	10	0.22
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	1	0.22
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	12	0.22
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	17	0.22
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	7	0.22
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	7	0.22
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	7	0.22
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	6	0.22
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	4	0.22
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	4	0.22
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	14	0.22
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	3	0.22
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	6	0.22
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	12	0.22
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	2	0.22
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	2	0.22
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	2	0.22
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	9	0.22
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	9	0.22
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	9	0.22
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	3	0.22
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	10	0.22
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	15	0.22
(1,1272)	1:57:A:LYS:HG2	1:58:A:GLU:H	11	0.22
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	11	0.22
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	14	0.22
(1,1205)	1:4:A:LEU:HD21	1:5:A:ILE:H	10	0.22
(1,1205)	1:4:A:LEU:HD22	1:5:A:ILE:H	10	0.22
(1,1205)	1:4:A:LEU:HD23	1:5:A:ILE:H	10	0.22
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	7	0.22
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	7	0.22
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	7	0.22
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	7	0.22
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	7	0.22
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	7	0.22
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	7	0.22
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	7	0.22
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	7	0.22
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	7	0.22
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	7	0.22
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	7	0.22
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	18	0.22
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	18	0.22
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	18	0.22
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	18	0.22
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	18	0.22
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	18	0.22
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	18	0.22
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	18	0.22
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	18	0.22
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	1	0.22
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	1	0.22
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	11	0.22
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	11	0.22
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	11	0.22
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	12	0.22
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	12	0.22
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	12	0.22
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	9	0.22
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	9	0.22
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	9	0.22
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	9	0.22
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	9	0.22
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	9	0.22
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	17	0.22
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	17	0.22
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	17	0.22
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	17	0.22
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	17	0.22
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	17	0.22
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	7	0.22
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	7	0.22
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	7	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	1	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	1	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	1	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	9	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	9	0.22
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	9	0.22
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	18	0.22
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	18	0.22
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	18	0.22
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	1	0.22
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	1	0.22
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	1	0.22
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	1	0.22
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	1	0.22
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	1	0.22
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	14	0.22
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	14	0.22
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	14	0.22
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	14	0.22
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	14	0.22
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	13	0.22
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	13	0.22
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	13	0.22
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	14	0.22
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	14	0.22
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	14	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	4	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	4	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	4	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	15	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	15	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	15	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	17	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	17	0.22
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	17	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	4	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	4	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	4	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	11	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	11	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	11	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	12	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	12	0.22
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	12	0.22
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	9	0.22
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	9	0.22
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	9	0.22
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	13	0.22
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	13	0.22
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	13	0.22
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	16	0.22
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	16	0.22
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	16	0.22
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	17	0.22
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	17	0.22
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	17	0.22
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	20	0.22
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	20	0.22
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	20	0.22
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	1	0.22
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	15	0.22
(1,459)	1:38:A:LEU:HG	1:39:A:LYS:H	5	0.22
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	17	0.22
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	17	0.22
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	17	0.22
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	12	0.22
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	1	0.22
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	7	0.22
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	15	0.21
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	15	0.21
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	15	0.21
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	15	0.21
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	15	0.21
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	15	0.21
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	6	0.21
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	6	0.21
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	6	0.21
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	6	0.21
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	6	0.21
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	6	0.21
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	6	0.21
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	6	0.21
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	6	0.21
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	6	0.21
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	6	0.21
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	6	0.21
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	15	0.21
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	15	0.21
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	8	0.21
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	8	0.21
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	1	0.21
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	1	0.21
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	1	0.21
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	1	0.21
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	1	0.21
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	1	0.21
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	15	0.21
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	15	0.21
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	15	0.21
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	15	0.21
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	15	0.21
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	15	0.21
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	15	0.21
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	15	0.21
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	15	0.21
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	15	0.21
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	15	0.21
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	15	0.21
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	15	0.21
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	15	0.21
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	15	0.21
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	15	0.21
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	15	0.21
(1,2605)	1:121:A:LYS:HE2	1:125:A:PRO:HA	11	0.21
(1,2605)	1:121:A:LYS:HE3	1:125:A:PRO:HA	11	0.21
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	1	0.21
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	1	0.21
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	11	0.21
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	11	0.21
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	14	0.21
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	14	0.21
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	7	0.21
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	7	0.21
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	7	0.21
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	7	0.21
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	7	0.21
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	7	0.21
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	16	0.21
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	16	0.21
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	16	0.21
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	16	0.21
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	16	0.21
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	16	0.21
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	3	0.21
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	3	0.21
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	3	0.21
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	3	0.21
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	3	0.21
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	3	0.21
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	3	0.21
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	3	0.21
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	3	0.21
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	3	0.21
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	3	0.21
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	2	0.21
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	2	0.21
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	10	0.21
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	10	0.21
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	17	0.21
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	17	0.21
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	5	0.21
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	5	0.21
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	5	0.21
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	5	0.21
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	5	0.21
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	5	0.21
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD11	3	0.21
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD12	3	0.21
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD13	3	0.21
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD21	3	0.21
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD22	3	0.21
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD23	3	0.21
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD11	3	0.21
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD12	3	0.21
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD13	3	0.21
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD21	3	0.21
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD22	3	0.21
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD23	3	0.21
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD11	3	0.21
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD12	3	0.21
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD13	3	0.21
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD21	3	0.21
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD22	3	0.21
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD23	3	0.21
(1,2135)	1:22:A:ILE:HG12	1:23:A:LYS:H	15	0.21
(1,2135)	1:22:A:ILE:HG13	1:23:A:LYS:H	15	0.21
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	9	0.21
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	9	0.21
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	9	0.21
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	9	0.21
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	9	0.21
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	9	0.21
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	9	0.21
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	9	0.21
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	9	0.21
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	9	0.21
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	9	0.21
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	9	0.21
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	9	0.21
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	9	0.21
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	9	0.21
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	9	0.21
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	9	0.21
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD11	13	0.21
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD12	13	0.21
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD13	13	0.21
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD21	13	0.21
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD22	13	0.21
(1,2100)	1:6:A:MET:HG2	1:84:A:LEU:HD23	13	0.21
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD11	13	0.21
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD12	13	0.21
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD13	13	0.21
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD21	13	0.21
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD22	13	0.21
(1,2100)	1:6:A:MET:HG3	1:84:A:LEU:HD23	13	0.21
(1,2098)	1:6:A:MET:HG2	1:7:A:ALA:H	3	0.21
(1,2098)	1:6:A:MET:HG3	1:7:A:ALA:H	3	0.21
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	9	0.21
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	9	0.21
(1,2012)	1:139:A:TYR:HD1	1:141:A:ASN:H	12	0.21
(1,2012)	1:139:A:TYR:HD2	1:141:A:ASN:H	12	0.21
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	2	0.21
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	7	0.21
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	17	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	2	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	2	0.21
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	2	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	7	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	7	0.21
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	7	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	10	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	10	0.21
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	10	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	11	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	11	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	13	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	13	0.21
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	13	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	14	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	14	0.21
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	14	0.21
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	17	0.21
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	17	0.21
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	17	0.21
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	3	0.21
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	17	0.21
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	17	0.21
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	17	0.21
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	18	0.21
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	9	0.21
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	9	0.21
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	2	0.21
(1,1219)	1:23:A:LYS:HB2	1:24:A:LEU:H	8	0.21
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	17	0.21
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	17	0.21
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	17	0.21
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	6	0.21
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	6	0.21
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	6	0.21
(1,1104)	1:62:A:SER:HA	1:65:A:LYS:HG3	9	0.21
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	12	0.21
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	12	0.21
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	12	0.21
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	12	0.21
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	12	0.21
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	12	0.21
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	12	0.21
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	12	0.21
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	12	0.21
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	20	0.21
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	20	0.21
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	20	0.21
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	20	0.21
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	20	0.21
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	20	0.21
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	20	0.21
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	20	0.21
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	2	0.21
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	2	0.21
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	2	0.21
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	2	0.21
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	2	0.21
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	2	0.21
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	2	0.21
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	2	0.21
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	2	0.21
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	6	0.21
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	6	0.21
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	6	0.21
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	8	0.21
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	8	0.21
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	8	0.21
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	6	0.21
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	6	0.21
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	6	0.21
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	15	0.21
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	15	0.21
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	15	0.21
(1,1008)	1:31:A:ASP:HA	1:34:A:VAL:HB	1	0.21
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	3	0.21
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	3	0.21
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	3	0.21
(1,946)	1:132:A:VAL:HG11	1:169:A:MET:HE1	12	0.21
(1,946)	1:132:A:VAL:HG11	1:169:A:MET:HE2	12	0.21
(1,946)	1:132:A:VAL:HG11	1:169:A:MET:HE3	12	0.21
(1,946)	1:132:A:VAL:HG12	1:169:A:MET:HE1	12	0.21
(1,946)	1:132:A:VAL:HG12	1:169:A:MET:HE2	12	0.21
(1,946)	1:132:A:VAL:HG12	1:169:A:MET:HE3	12	0.21
(1,946)	1:132:A:VAL:HG13	1:169:A:MET:HE1	12	0.21
(1,946)	1:132:A:VAL:HG13	1:169:A:MET:HE2	12	0.21
(1,946)	1:132:A:VAL:HG13	1:169:A:MET:HE3	12	0.21
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	2	0.21
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	2	0.21
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	2	0.21
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	2	0.21
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	2	0.21
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	5	0.21
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	5	0.21
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	5	0.21
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	5	0.21
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	5	0.21
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	5	0.21
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	8	0.21
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	8	0.21
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	8	0.21
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	17	0.21
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	17	0.21
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	17	0.21
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB1	4	0.21
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB2	4	0.21
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB3	4	0.21
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	11	0.21
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	11	0.21
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	11	0.21
(1,602)	1:190:A:LEU:HG	1:191:A:LEU:H	17	0.21
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	7	0.21
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	7	0.21
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	7	0.21
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	12	0.21
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	12	0.21
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	12	0.21
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	8	0.21
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	11	0.21
(1,459)	1:38:A:LEU:HG	1:39:A:LYS:H	13	0.21
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	2	0.21
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	2	0.21
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	2	0.21
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	16	0.21
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	16	0.21
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	16	0.21
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	1	0.21
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	3	0.21
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	17	0.21
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	7	0.21
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	7	0.21
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	7	0.21
(1,417)	1:191:A:LEU:HA	1:191:A:LEU:HD21	6	0.21
(1,417)	1:191:A:LEU:HA	1:191:A:LEU:HD22	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:191:A:LEU:HA	1:191:A:LEU:HD23	6	0.21
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	14	0.21
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	2	0.2
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	2	0.2
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	2	0.2
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	2	0.2
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	2	0.2
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	2	0.2
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	14	0.2
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	14	0.2
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	14	0.2
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	14	0.2
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	14	0.2
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	14	0.2
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	19	0.2
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	19	0.2
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	19	0.2
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	19	0.2
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	19	0.2
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	19	0.2
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	20	0.2
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	20	0.2
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	20	0.2
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	20	0.2
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	20	0.2
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	20	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	2	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	2	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	2	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	2	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	2	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	2	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	3	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	3	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	3	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	3	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	3	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	3	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	5	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	5	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	5	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	5	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	5	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	6	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	6	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	6	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	6	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	6	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	6	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	11	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	11	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	11	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	11	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	11	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	11	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	12	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	12	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	12	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	12	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	12	0.2
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	12	0.2
(1,2826)	1:186:A:LEU:HD11	1:187:A:ALA:H	1	0.2
(1,2826)	1:186:A:LEU:HD12	1:187:A:ALA:H	1	0.2
(1,2826)	1:186:A:LEU:HD13	1:187:A:ALA:H	1	0.2
(1,2826)	1:186:A:LEU:HD21	1:187:A:ALA:H	1	0.2
(1,2826)	1:186:A:LEU:HD22	1:187:A:ALA:H	1	0.2
(1,2826)	1:186:A:LEU:HD23	1:187:A:ALA:H	1	0.2
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	15	0.2
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	15	0.2
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	15	0.2
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	15	0.2
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	15	0.2
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	15	0.2
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	15	0.2
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	15	0.2
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	15	0.2
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	15	0.2
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	15	0.2
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	15	0.2
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	9	0.2
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	9	0.2
(1,2779)	1:171:A:ILE:HG12	1:172:A:ASP:H	5	0.2
(1,2779)	1:171:A:ILE:HG13	1:172:A:ASP:H	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	1	0.2
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	1	0.2
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	13	0.2
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	13	0.2
(1,2754)	1:160:A:LYS:HB2	1:160:A:LYS:HE2	6	0.2
(1,2754)	1:160:A:LYS:HB2	1:160:A:LYS:HE3	6	0.2
(1,2754)	1:160:A:LYS:HB3	1:160:A:LYS:HE2	6	0.2
(1,2754)	1:160:A:LYS:HB3	1:160:A:LYS:HE3	6	0.2
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE21	8	0.2
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE22	8	0.2
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE21	8	0.2
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE22	8	0.2
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE21	8	0.2
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE22	8	0.2
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE21	8	0.2
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE22	8	0.2
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE21	8	0.2
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE22	8	0.2
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE21	8	0.2
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE22	8	0.2
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	17	0.2
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	17	0.2
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	17	0.2
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	17	0.2
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	17	0.2
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	17	0.2
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG2	1	0.2
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG3	1	0.2
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG2	1	0.2
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG3	1	0.2
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG2	1	0.2
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG3	1	0.2
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG2	13	0.2
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG3	13	0.2
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG2	13	0.2
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG3	13	0.2
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG2	13	0.2
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG3	13	0.2
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	6	0.2
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	6	0.2
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	6	0.2
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	6	0.2
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	6	0.2
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	6	0.2
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	6	0.2
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	6	0.2
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	6	0.2
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	6	0.2
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	6	0.2
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	2	0.2
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	2	0.2
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	2	0.2
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	2	0.2
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	2	0.2
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	2	0.2
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	2	0.2
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	2	0.2
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	2	0.2
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	2	0.2
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	2	0.2
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	2	0.2
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	2	0.2
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	2	0.2
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	2	0.2
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	2	0.2
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	2	0.2
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	2	0.2
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	17	0.2
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	17	0.2
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	17	0.2
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	17	0.2
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	17	0.2
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	17	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	6	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	6	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	7	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	7	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	9	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	9	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	12	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	12	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	18	0.2
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	9	0.2
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	9	0.2
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	18	0.2
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	18	0.2
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	19	0.2
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	19	0.2
(1,2392)	1:68:A:LYS:HA	1:68:A:LYS:HD2	8	0.2
(1,2392)	1:68:A:LYS:HA	1:68:A:LYS:HD3	8	0.2
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	19	0.2
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	19	0.2
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	19	0.2
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	19	0.2
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	19	0.2
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	19	0.2
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	19	0.2
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	19	0.2
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	19	0.2
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	19	0.2
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	19	0.2
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	19	0.2
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	20	0.2
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	20	0.2
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	11	0.2
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	11	0.2
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	11	0.2
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	11	0.2
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	15	0.2
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	15	0.2
(1,2175)	1:29:A:LEU:HD11	1:101:A:ASP:HB2	5	0.2
(1,2175)	1:29:A:LEU:HD11	1:101:A:ASP:HB3	5	0.2
(1,2175)	1:29:A:LEU:HD12	1:101:A:ASP:HB2	5	0.2
(1,2175)	1:29:A:LEU:HD12	1:101:A:ASP:HB3	5	0.2
(1,2175)	1:29:A:LEU:HD13	1:101:A:ASP:HB2	5	0.2
(1,2175)	1:29:A:LEU:HD13	1:101:A:ASP:HB3	5	0.2
(1,2175)	1:29:A:LEU:HD21	1:101:A:ASP:HB2	5	0.2
(1,2175)	1:29:A:LEU:HD21	1:101:A:ASP:HB3	5	0.2
(1,2175)	1:29:A:LEU:HD22	1:101:A:ASP:HB2	5	0.2
(1,2175)	1:29:A:LEU:HD22	1:101:A:ASP:HB3	5	0.2
(1,2175)	1:29:A:LEU:HD23	1:101:A:ASP:HB2	5	0.2
(1,2175)	1:29:A:LEU:HD23	1:101:A:ASP:HB3	5	0.2
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	10	0.2
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	10	0.2
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	10	0.2
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	10	0.2
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	10	0.2
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	10	0.2
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	10	0.2
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	10	0.2
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	10	0.2
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	10	0.2
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	10	0.2
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	8	0.2
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	8	0.2
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	14	0.2
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	14	0.2
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	15	0.2
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	8	0.2
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	15	0.2
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	16	0.2
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	18	0.2
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	12	0.2
(1,1947)	1:69:A:ASN:HA	1:69:A:ASN:HD21	9	0.2
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	13	0.2
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	13	0.2
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	13	0.2
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	3	0.2
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	9	0.2
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	11	0.2
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	1	0.2
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	1	0.2
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	1	0.2
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	8	0.2
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	8	0.2
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	8	0.2
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	12	0.2
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	12	0.2
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	12	0.2
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	20	0.2
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	20	0.2
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	20	0.2
(1,1439)	1:168:A:ILE:HB	1:169:A:MET:H	16	0.2
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	16	0.2
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	6	0.2
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	6	0.2
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	6	0.2
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	11	0.2
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	17	0.2
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	13	0.2
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	13	0.2
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	13	0.2
(1,1219)	1:23:A:LYS:HB2	1:24:A:LEU:H	16	0.2
(1,1177)	1:139:A:TYR:HD1	1:142:A:PRO:HA	18	0.2
(1,1177)	1:139:A:TYR:HD2	1:142:A:PRO:HA	18	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	3	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	3	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	3	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	5	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	5	0.2
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	5	0.2
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	5	0.2
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	5	0.2
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	5	0.2
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	5	0.2
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	5	0.2
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	5	0.2
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	5	0.2
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	5	0.2
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	5	0.2
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	5	0.2
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	5	0.2
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	5	0.2
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	13	0.2
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	13	0.2
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	13	0.2
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	13	0.2
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	13	0.2
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	13	0.2
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	13	0.2
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	13	0.2
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	13	0.2
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	20	0.2
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	20	0.2
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	20	0.2
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	20	0.2
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	20	0.2
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	20	0.2
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	20	0.2
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	20	0.2
(1,961)	1:171:A:ILE:HD11	1:173:A:GLU:HG3	12	0.2
(1,961)	1:171:A:ILE:HD12	1:173:A:GLU:HG3	12	0.2
(1,961)	1:171:A:ILE:HD13	1:173:A:GLU:HG3	12	0.2
(1,957)	1:171:A:ILE:HD11	1:173:A:GLU:HG2	2	0.2
(1,957)	1:171:A:ILE:HD12	1:173:A:GLU:HG2	2	0.2
(1,957)	1:171:A:ILE:HD13	1:173:A:GLU:HG2	2	0.2
(1,956)	1:134:A:ILE:HG21	1:172:A:ASP:HA	3	0.2
(1,956)	1:134:A:ILE:HG22	1:172:A:ASP:HA	3	0.2
(1,956)	1:134:A:ILE:HG23	1:172:A:ASP:HA	3	0.2
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	9	0.2
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	9	0.2
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	9	0.2
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	17	0.2
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	17	0.2
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	17	0.2
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	17	0.2
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	17	0.2
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	17	0.2
(1,868)	1:121:A:LYS:HA	1:124:A:THR:H	15	0.2
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	11	0.2
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	11	0.2
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	11	0.2
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	1	0.2
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	1	0.2
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	1	0.2
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	12	0.2
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	12	0.2
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	12	0.2
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	14	0.2
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	14	0.2
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	14	0.2
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	12	0.2
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	12	0.2
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	12	0.2
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	5	0.2
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	5	0.2
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	15	0.2
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	15	0.2
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	15	0.2
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	15	0.2
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	15	0.2
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	15	0.2
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	2	0.2
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	2	0.2
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	2	0.2
(1,741)	1:53:A:THR:HG21	1:57:A:LYS:H	12	0.2
(1,741)	1:53:A:THR:HG22	1:57:A:LYS:H	12	0.2
(1,741)	1:53:A:THR:HG23	1:57:A:LYS:H	12	0.2
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	9	0.2
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	9	0.2
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	9	0.2
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	16	0.2
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	8	0.2
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	8	0.2
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	8	0.2
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	19	0.2
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	19	0.2
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	19	0.2
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE1	13	0.2
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE2	13	0.2
(1,607)	1:133:A:MET:HA	1:133:A:MET:HE3	13	0.2
(1,602)	1:190:A:LEU:HG	1:191:A:LEU:H	18	0.2
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	17	0.2
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	17	0.2
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	17	0.2
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	15	0.2
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	15	0.2
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	15	0.2
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	18	0.2
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	18	0.2
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	18	0.2
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	12	0.2
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	16	0.2
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	20	0.2
(1,442)	1:23:A:LYS:HG3	1:24:A:LEU:H	15	0.2
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	9	0.2
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	10	0.2
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	10	0.2
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	11	0.2
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	11	0.2
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	11	0.2
(1,414)	1:190:A:LEU:H	1:190:A:LEU:HG	10	0.2
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	20	0.2
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	20	0.2
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	20	0.2
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	1	0.19
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	1	0.19
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	1	0.19
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	1	0.19
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	1	0.19
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	1	0.19
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	8	0.19
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	8	0.19
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	8	0.19
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	8	0.19
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	8	0.19
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	1	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	1	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	1	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	1	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	1	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	1	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	4	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	4	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	4	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	4	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	4	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	4	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	8	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	13	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	13	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	13	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	13	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	13	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	14	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	14	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	14	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	14	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	14	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	14	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	20	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	20	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	20	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	20	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	20	0.19
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	20	0.19
(1,2795)	1:174:A:LEU:HD11	1:175:A:ILE:H	8	0.19
(1,2795)	1:174:A:LEU:HD12	1:175:A:ILE:H	8	0.19
(1,2795)	1:174:A:LEU:HD13	1:175:A:ILE:H	8	0.19
(1,2795)	1:174:A:LEU:HD21	1:175:A:ILE:H	8	0.19
(1,2795)	1:174:A:LEU:HD22	1:175:A:ILE:H	8	0.19
(1,2795)	1:174:A:LEU:HD23	1:175:A:ILE:H	8	0.19
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	16	0.19
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	16	0.19
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	16	0.19
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	16	0.19
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD2	20	0.19
(1,2717)	1:141:A:ASN:HB2	1:142:A:PRO:HD3	20	0.19
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD2	20	0.19
(1,2717)	1:141:A:ASN:HB3	1:142:A:PRO:HD3	20	0.19
(1,2706)	1:138:A:LYS:HG2	1:139:A:TYR:H	17	0.19
(1,2706)	1:138:A:LYS:HG3	1:139:A:TYR:H	17	0.19
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	3	0.19
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	3	0.19
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	3	0.19
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	3	0.19
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	3	0.19
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	3	0.19
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	3	0.19
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	3	0.19
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	3	0.19
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	3	0.19
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	3	0.19
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	8	0.19
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	8	0.19
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	12	0.19
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	12	0.19
(1,2543)	1:109:A:ILE:HG12	1:173:A:GLU:HG2	2	0.19
(1,2543)	1:109:A:ILE:HG12	1:173:A:GLU:HG3	2	0.19
(1,2543)	1:109:A:ILE:HG13	1:173:A:GLU:HG2	2	0.19
(1,2543)	1:109:A:ILE:HG13	1:173:A:GLU:HG3	2	0.19
(1,2533)	1:108:A:LYS:H	1:109:A:ILE:HG12	6	0.19
(1,2533)	1:108:A:LYS:H	1:109:A:ILE:HG13	6	0.19
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	7	0.19
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	7	0.19
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	7	0.19
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	7	0.19
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	7	0.19
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	7	0.19
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	20	0.19
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	20	0.19
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	20	0.19
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	20	0.19
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	20	0.19
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	20	0.19
(1,2480)	1:93:A:GLU:H	1:159:A:PRO:HB2	5	0.19
(1,2480)	1:93:A:GLU:H	1:159:A:PRO:HB3	5	0.19
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	8	0.19
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	8	0.19
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	13	0.19
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	13	0.19
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	16	0.19
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	16	0.19
(1,2241)	1:38:A:LEU:HD11	1:69:A:ASN:HA	9	0.19
(1,2241)	1:38:A:LEU:HD12	1:69:A:ASN:HA	9	0.19
(1,2241)	1:38:A:LEU:HD13	1:69:A:ASN:HA	9	0.19
(1,2241)	1:38:A:LEU:HD21	1:69:A:ASN:HA	9	0.19
(1,2241)	1:38:A:LEU:HD22	1:69:A:ASN:HA	9	0.19
(1,2241)	1:38:A:LEU:HD23	1:69:A:ASN:HA	9	0.19
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	15	0.19
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	15	0.19
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	15	0.19
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	15	0.19
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	15	0.19
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD11	8	0.19
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD12	8	0.19
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD13	8	0.19
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD21	8	0.19
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD22	8	0.19
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD23	8	0.19
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD11	8	0.19
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD12	8	0.19
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD13	8	0.19
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD21	8	0.19
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD22	8	0.19
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD23	8	0.19
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	12	0.19
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	12	0.19
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	12	0.19
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	12	0.19
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	12	0.19
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	12	0.19
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	12	0.19
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	12	0.19
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	12	0.19
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	12	0.19
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	12	0.19
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	12	0.19
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	12	0.19
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	12	0.19
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	12	0.19
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	12	0.19
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	12	0.19
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	12	0.19
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	19	0.19
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	19	0.19
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	19	0.19
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	19	0.19
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	19	0.19
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	19	0.19
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	8	0.19
(1,1918)	1:136:A:LYS:H	1:149:A:LEU:HA	15	0.19
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	12	0.19
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	5	0.19
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	7	0.19
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	20	0.19
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG21	13	0.19
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG22	13	0.19
(1,1750)	1:8:A:GLY:H	1:53:A:THR:HG23	13	0.19
(1,1600)	1:113:A:ILE:H	1:113:A:ILE:HB	7	0.19
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	18	0.19
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	1	0.19
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	1	0.19
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	1	0.19
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	3	0.19
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	3	0.19
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	3	0.19
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	9	0.19
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	9	0.19
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	9	0.19
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	16	0.19
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	16	0.19
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	16	0.19
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	11	0.19
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	8	0.19
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	13	0.19
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	15	0.19
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	2	0.19
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	2	0.19
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	2	0.19
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	7	0.19
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	8	0.19
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	13	0.19
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	14	0.19
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	16	0.19
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	5	0.19
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	5	0.19
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	5	0.19
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	8	0.19
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	8	0.19
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	8	0.19
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	12	0.19
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	12	0.19
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	12	0.19
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	19	0.19
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	19	0.19
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	17	0.19
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	17	0.19
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	17	0.19
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	17	0.19
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	5	0.19
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	5	0.19
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	5	0.19
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	5	0.19
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	5	0.19
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	5	0.19
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	8	0.19
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	8	0.19
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	8	0.19
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	16	0.19
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	16	0.19
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	16	0.19
(1,1001)	1:152:A:ALA:HB1	1:154:A:ILE:H	16	0.19
(1,1001)	1:152:A:ALA:HB2	1:154:A:ILE:H	16	0.19
(1,1001)	1:152:A:ALA:HB3	1:154:A:ILE:H	16	0.19
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	5	0.19
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	5	0.19
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	5	0.19
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	9	0.19
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	9	0.19
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	9	0.19
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	9	0.19
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	9	0.19
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	9	0.19
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	9	0.19
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	9	0.19
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	9	0.19
(1,960)	1:109:A:ILE:HD11	1:173:A:GLU:HG3	2	0.19
(1,960)	1:109:A:ILE:HD12	1:173:A:GLU:HG3	2	0.19
(1,960)	1:109:A:ILE:HD13	1:173:A:GLU:HG3	2	0.19
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	3	0.19
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	3	0.19
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	3	0.19
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	3	0.19
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	3	0.19
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	3	0.19
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	19	0.19
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	19	0.19
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	19	0.19
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	19	0.19
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	19	0.19
(1,888)	1:128:A:GLU:H	1:129:A:ALA:HB1	5	0.19
(1,888)	1:128:A:GLU:H	1:129:A:ALA:HB2	5	0.19
(1,888)	1:128:A:GLU:H	1:129:A:ALA:HB3	5	0.19
(1,868)	1:121:A:LYS:HA	1:124:A:THR:H	12	0.19
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	17	0.19
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	17	0.19
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	17	0.19
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	3	0.19
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	3	0.19
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	3	0.19
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	11	0.19
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	11	0.19
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	11	0.19
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	3	0.19
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	3	0.19
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	3	0.19
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	3	0.19
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	3	0.19
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	3	0.19
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	9	0.19
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	9	0.19
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	9	0.19
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	9	0.19
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	9	0.19
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	9	0.19
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	2	0.19
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	2	0.19
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	2	0.19
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	19	0.19
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	19	0.19
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	19	0.19
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	10	0.19
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	10	0.19
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	10	0.19
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	14	0.19
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	14	0.19
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	14	0.19
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	17	0.19
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	17	0.19
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	19	0.19
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	19	0.19
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	19	0.19
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	7	0.19
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	7	0.19
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	7	0.19
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	19	0.19
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	19	0.19
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	19	0.19
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	14	0.19
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	14	0.19
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	14	0.19
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	18	0.19
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	18	0.19
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	18	0.19
(1,534)	1:110:A:ILE:HD11	1:111:A:ASN:H	8	0.19
(1,534)	1:110:A:ILE:HD12	1:111:A:ASN:H	8	0.19
(1,534)	1:110:A:ILE:HD13	1:111:A:ASN:H	8	0.19
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	16	0.19
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	4	0.19
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	4	0.19
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	4	0.19
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	18	0.19
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	18	0.19
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	18	0.19
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	19	0.19
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	19	0.19
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	19	0.19
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	3	0.19
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	4	0.19
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	17	0.19
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	18	0.19
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	1	0.19
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	1	0.19
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	1	0.19
(1,484)	1:60:A:ILE:HD11	1:61:A:ASN:H	15	0.19
(1,484)	1:60:A:ILE:HD12	1:61:A:ASN:H	15	0.19
(1,484)	1:60:A:ILE:HD13	1:61:A:ASN:H	15	0.19
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	14	0.19
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	1	0.19
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	1	0.19
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	1	0.19
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	9	0.19
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	9	0.19
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	9	0.19
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	7	0.19
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	13	0.19
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	15	0.19
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	8	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	1	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	1	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	1	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	2	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	2	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	2	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	3	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	3	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	3	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	4	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	4	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	4	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	5	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	5	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	5	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	8	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	8	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	8	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	13	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	13	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	13	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	14	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	14	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	14	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	16	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	16	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	16	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	18	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	18	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	18	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	20	0.19
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	20	0.19
(1,414)	1:190:A:LEU:H	1:190:A:LEU:HG	16	0.19
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	1	0.19
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	1	0.19
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	1	0.19
(1,395)	1:185:A:LYS:H	1:185:A:LYS:HB3	5	0.19
(1,44)	1:29:A:LEU:H	1:29:A:LEU:HG	5	0.19
(1,18)	1:21:A:LEU:H	1:21:A:LEU:HG	5	0.19
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	12	0.18
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	12	0.18
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	12	0.18
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	12	0.18
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	12	0.18
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	12	0.18
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	15	0.18
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	15	0.18
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	15	0.18
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	15	0.18
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	15	0.18
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	15	0.18
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD11	7	0.18
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD12	7	0.18
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD13	7	0.18
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD21	7	0.18
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD22	7	0.18
(1,2839)	1:190:A:LEU:HA	1:190:A:LEU:HD23	7	0.18
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	15	0.18
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	15	0.18
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	7	0.18
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	7	0.18
(1,2771)	1:167:A:GLU:HG2	1:168:A:ILE:H	12	0.18
(1,2771)	1:167:A:GLU:HG3	1:168:A:ILE:H	12	0.18
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	11	0.18
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	11	0.18
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	11	0.18
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	11	0.18
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	11	0.18
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	11	0.18
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	11	0.18
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	11	0.18
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	11	0.18
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	11	0.18
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	11	0.18
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	20	0.18
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	20	0.18
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	20	0.18
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	20	0.18
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	20	0.18
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	20	0.18
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG12	3	0.18
(1,2584)	1:119:A:CYS:H	1:120:A:ILE:HG13	3	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	6	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	6	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	7	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	7	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	12	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	12	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	14	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	14	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	17	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	17	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	20	0.18
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	20	0.18
(1,2542)	1:109:A:ILE:HG12	1:110:A:ILE:H	6	0.18
(1,2542)	1:109:A:ILE:HG13	1:110:A:ILE:H	6	0.18
(1,2525)	1:101:A:ASP:H	1:102:A:LEU:HD11	16	0.18
(1,2525)	1:101:A:ASP:H	1:102:A:LEU:HD12	16	0.18
(1,2525)	1:101:A:ASP:H	1:102:A:LEU:HD13	16	0.18
(1,2525)	1:101:A:ASP:H	1:102:A:LEU:HD21	16	0.18
(1,2525)	1:101:A:ASP:H	1:102:A:LEU:HD22	16	0.18
(1,2525)	1:101:A:ASP:H	1:102:A:LEU:HD23	16	0.18
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	5	0.18
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	5	0.18
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	5	0.18
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	5	0.18
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	5	0.18
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	5	0.18
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	12	0.18
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	12	0.18
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	12	0.18
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	12	0.18
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	12	0.18
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	17	0.18
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	17	0.18
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	17	0.18
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	17	0.18
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	17	0.18
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	17	0.18
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	19	0.18
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	19	0.18
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	19	0.18
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	19	0.18
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	19	0.18
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	19	0.18
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	9	0.18
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	9	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	6	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	6	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	6	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	6	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	6	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	6	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	8	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	8	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	8	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	8	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	8	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	8	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	18	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	18	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	18	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	18	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	18	0.18
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	18	0.18
(1,2175)	1:29:A:LEU:HD11	1:101:A:ASP:HB2	16	0.18
(1,2175)	1:29:A:LEU:HD11	1:101:A:ASP:HB3	16	0.18
(1,2175)	1:29:A:LEU:HD12	1:101:A:ASP:HB2	16	0.18
(1,2175)	1:29:A:LEU:HD12	1:101:A:ASP:HB3	16	0.18
(1,2175)	1:29:A:LEU:HD13	1:101:A:ASP:HB2	16	0.18
(1,2175)	1:29:A:LEU:HD13	1:101:A:ASP:HB3	16	0.18
(1,2175)	1:29:A:LEU:HD21	1:101:A:ASP:HB2	16	0.18
(1,2175)	1:29:A:LEU:HD21	1:101:A:ASP:HB3	16	0.18
(1,2175)	1:29:A:LEU:HD22	1:101:A:ASP:HB2	16	0.18
(1,2175)	1:29:A:LEU:HD22	1:101:A:ASP:HB3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:29:A:LEU:HD23	1:101:A:ASP:HB2	16	0.18
(1,2175)	1:29:A:LEU:HD23	1:101:A:ASP:HB3	16	0.18
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD1	6	0.18
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD2	6	0.18
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD1	6	0.18
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD2	6	0.18
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD1	6	0.18
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD2	6	0.18
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD1	6	0.18
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD2	6	0.18
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD1	6	0.18
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD2	6	0.18
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD1	6	0.18
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD2	6	0.18
(1,2135)	1:22:A:ILE:HG12	1:23:A:LYS:H	8	0.18
(1,2135)	1:22:A:ILE:HG13	1:23:A:LYS:H	8	0.18
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	13	0.18
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	13	0.18
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	13	0.18
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	13	0.18
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD1	2	0.18
(1,2076)	1:4:A:LEU:HD11	1:95:A:PHE:HD2	2	0.18
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD1	2	0.18
(1,2076)	1:4:A:LEU:HD12	1:95:A:PHE:HD2	2	0.18
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD1	2	0.18
(1,2076)	1:4:A:LEU:HD13	1:95:A:PHE:HD2	2	0.18
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD1	2	0.18
(1,2076)	1:4:A:LEU:HD21	1:95:A:PHE:HD2	2	0.18
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD1	2	0.18
(1,2076)	1:4:A:LEU:HD22	1:95:A:PHE:HD2	2	0.18
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD1	2	0.18
(1,2076)	1:4:A:LEU:HD23	1:95:A:PHE:HD2	2	0.18
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	16	0.18
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	16	0.18
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	16	0.18
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	16	0.18
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	16	0.18
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	16	0.18
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	16	0.18
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	16	0.18
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	16	0.18
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	16	0.18
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	16	0.18
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	4	0.18
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	4	0.18
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	5	0.18
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	5	0.18
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	14	0.18
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	16	0.18
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	12	0.18
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD11	14	0.18
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD12	14	0.18
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD13	14	0.18
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	3	0.18
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	7	0.18
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	8	0.18
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	11	0.18
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	2	0.18
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	10	0.18
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	18	0.18
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	18	0.18
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	18	0.18
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	18	0.18
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	1	0.18
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	7	0.18
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	12	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	12	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	12	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	15	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	15	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	19	0.18
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	19	0.18
(1,1600)	1:113:A:ILE:H	1:113:A:ILE:HB	9	0.18
(1,1581)	1:93:A:GLU:H	1:93:A:GLU:HB2	10	0.18
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	18	0.18
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	18	0.18
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	18	0.18
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	2	0.18
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	4	0.18
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	10	0.18
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	5	0.18
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	15	0.18
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	15	0.18
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	10	0.18
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	6	0.18
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	6	0.18
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	6	0.18
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	10	0.18
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	10	0.18
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	10	0.18
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	15	0.18
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	15	0.18
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	15	0.18
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	4	0.18
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	4	0.18
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	4	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	2	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	2	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	2	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	2	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	2	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	2	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	2	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	2	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	2	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	6	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	6	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	6	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	6	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	6	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	6	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	6	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	6	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	6	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	10	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	10	0.18
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	10	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	10	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	10	0.18
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	10	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	10	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	10	0.18
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	10	0.18
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	17	0.18
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	17	0.18
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	17	0.18
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	17	0.18
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	17	0.18
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	17	0.18
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	17	0.18
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	17	0.18
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	19	0.18
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	19	0.18
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	19	0.18
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	20	0.18
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	20	0.18
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	20	0.18
(1,1001)	1:152:A:ALA:HB1	1:154:A:ILE:H	3	0.18
(1,1001)	1:152:A:ALA:HB2	1:154:A:ILE:H	3	0.18
(1,1001)	1:152:A:ALA:HB3	1:154:A:ILE:H	3	0.18
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	11	0.18
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	11	0.18
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	11	0.18
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	7	0.18
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	7	0.18
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	7	0.18
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	7	0.18
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	7	0.18
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	7	0.18
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	7	0.18
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	7	0.18
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	7	0.18
(1,961)	1:171:A:ILE:HD11	1:173:A:GLU:HG3	11	0.18
(1,961)	1:171:A:ILE:HD12	1:173:A:GLU:HG3	11	0.18
(1,961)	1:171:A:ILE:HD13	1:173:A:GLU:HG3	11	0.18
(1,957)	1:171:A:ILE:HD11	1:173:A:GLU:HG2	19	0.18
(1,957)	1:171:A:ILE:HD12	1:173:A:GLU:HG2	19	0.18
(1,957)	1:171:A:ILE:HD13	1:173:A:GLU:HG2	19	0.18
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG21	9	0.18
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG22	9	0.18
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG23	9	0.18
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG21	9	0.18
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG22	9	0.18
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG23	9	0.18
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	18	0.18
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	18	0.18
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	18	0.18
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	18	0.18
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	18	0.18
(1,868)	1:121:A:LYS:HA	1:124:A:THR:H	18	0.18
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	9	0.18
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	9	0.18
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	9	0.18
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	18	0.18
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	18	0.18
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	18	0.18
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	4	0.18
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	4	0.18
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	4	0.18
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	4	0.18
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	4	0.18
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	4	0.18
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	5	0.18
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	5	0.18
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	5	0.18
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	5	0.18
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	5	0.18
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	5	0.18
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	1	0.18
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	1	0.18
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	1	0.18
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	6	0.18
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	6	0.18
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	6	0.18
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD11	16	0.18
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD12	16	0.18
(1,766)	1:8:A:GLY:H	1:60:A:ILE:HD13	16	0.18
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	13	0.18
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	7	0.18
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	7	0.18
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	7	0.18
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	11	0.18
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	11	0.18
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	11	0.18
(1,602)	1:190:A:LEU:HG	1:191:A:LEU:H	19	0.18
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	8	0.18
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	8	0.18
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	16	0.18
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	16	0.18
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	16	0.18
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	3	0.18
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	3	0.18
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	3	0.18
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	12	0.18
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	12	0.18
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	12	0.18
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	12	0.18
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	19	0.18
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	5	0.18
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	7	0.18
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	19	0.18
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	2	0.18
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	19	0.18
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	12	0.18
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	13	0.18
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	17	0.18
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	17	0.18
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	17	0.18
(1,414)	1:190:A:LEU:H	1:190:A:LEU:HG	9	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	3	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	3	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	3	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	5	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	5	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	5	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	14	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	14	0.18
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	14	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	6	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	6	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	6	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	18	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	18	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	18	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	20	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	20	0.18
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	3	0.17
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	3	0.17
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	3	0.17
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	3	0.17
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	3	0.17
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	3	0.17
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	4	0.17
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	4	0.17
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	4	0.17
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	4	0.17
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	4	0.17
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	4	0.17
(1,2834)	1:188:A:GLU:HG2	1:189:A:MET:H	10	0.17
(1,2834)	1:188:A:GLU:HG3	1:189:A:MET:H	10	0.17
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	1	0.17
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	1	0.17
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	1	0.17
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	1	0.17
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	1	0.17
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	1	0.17
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	1	0.17
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	1	0.17
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG2	14	0.17
(1,2820)	1:184:A:LEU:HD11	1:188:A:GLU:HG3	14	0.17
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG2	14	0.17
(1,2820)	1:184:A:LEU:HD12	1:188:A:GLU:HG3	14	0.17
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG2	14	0.17
(1,2820)	1:184:A:LEU:HD13	1:188:A:GLU:HG3	14	0.17
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG2	14	0.17
(1,2820)	1:184:A:LEU:HD21	1:188:A:GLU:HG3	14	0.17
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG2	14	0.17
(1,2820)	1:184:A:LEU:HD22	1:188:A:GLU:HG3	14	0.17
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG2	14	0.17
(1,2820)	1:184:A:LEU:HD23	1:188:A:GLU:HG3	14	0.17
(1,2781)	1:171:A:ILE:HD11	1:173:A:GLU:HG2	6	0.17
(1,2781)	1:171:A:ILE:HD11	1:173:A:GLU:HG3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:171:A:ILE:HD12	1:173:A:GLU:HG2	6	0.17
(1,2781)	1:171:A:ILE:HD12	1:173:A:GLU:HG3	6	0.17
(1,2781)	1:171:A:ILE:HD13	1:173:A:GLU:HG2	6	0.17
(1,2781)	1:171:A:ILE:HD13	1:173:A:GLU:HG3	6	0.17
(1,2751)	1:160:A:LYS:H	1:160:A:LYS:HD2	1	0.17
(1,2751)	1:160:A:LYS:H	1:160:A:LYS:HD3	1	0.17
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	8	0.17
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	8	0.17
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	8	0.17
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	8	0.17
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	8	0.17
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	8	0.17
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	20	0.17
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	20	0.17
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	20	0.17
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	20	0.17
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	20	0.17
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	20	0.17
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	19	0.17
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	19	0.17
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	19	0.17
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	19	0.17
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	19	0.17
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	19	0.17
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	19	0.17
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	19	0.17
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	19	0.17
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	19	0.17
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	19	0.17
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	19	0.17
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	19	0.17
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	19	0.17
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	19	0.17
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	19	0.17
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	19	0.17
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	19	0.17
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	19	0.17
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	19	0.17
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	19	0.17
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	19	0.17
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	19	0.17
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	19	0.17
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	19	0.17
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	19	0.17
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	19	0.17
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	19	0.17
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	19	0.17
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	3	0.17
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	3	0.17
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	3	0.17
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	3	0.17
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	3	0.17
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	3	0.17
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	8	0.17
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	8	0.17
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	8	0.17
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	8	0.17
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	8	0.17
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	8	0.17
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	8	0.17
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	8	0.17
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	8	0.17
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	8	0.17
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	13	0.17
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	13	0.17
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	13	0.17
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	13	0.17
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	13	0.17
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	13	0.17
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	13	0.17
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	13	0.17
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	1	0.17
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	1	0.17
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	1	0.17
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	1	0.17
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	1	0.17
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	1	0.17
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	17	0.17
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	17	0.17
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	17	0.17
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	17	0.17
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	17	0.17
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:88:A:ILE:HG12	1:161:A:HIS:HA	5	0.17
(1,2474)	1:88:A:ILE:HG13	1:161:A:HIS:HA	5	0.17
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	13	0.17
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	13	0.17
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	4	0.17
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	4	0.17
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	4	0.17
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	4	0.17
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	4	0.17
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	4	0.17
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	4	0.17
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	4	0.17
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	4	0.17
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	4	0.17
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	4	0.17
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	4	0.17
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	6	0.17
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	6	0.17
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	7	0.17
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	7	0.17
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	11	0.17
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	11	0.17
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	3	0.17
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	3	0.17
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	3	0.17
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	3	0.17
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	12	0.17
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	12	0.17
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	12	0.17
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	12	0.17
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	16	0.17
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	16	0.17
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	16	0.17
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	16	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	7	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	7	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	7	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	7	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	7	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	7	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	17	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	17	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	17	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	17	0.17
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	17	0.17
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD1	1	0.17
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD2	1	0.17
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD1	1	0.17
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD2	1	0.17
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD1	1	0.17
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD2	1	0.17
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD1	1	0.17
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD2	1	0.17
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD1	1	0.17
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD2	1	0.17
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD1	1	0.17
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD2	1	0.17
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	3	0.17
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	3	0.17
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	3	0.17
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	3	0.17
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	3	0.17
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	3	0.17
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	3	0.17
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	3	0.17
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	3	0.17
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	3	0.17
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	3	0.17
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	3	0.17
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	3	0.17
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	3	0.17
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	3	0.17
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	3	0.17
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	3	0.17
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	3	0.17
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD11	7	0.17
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD12	7	0.17
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD13	7	0.17
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD21	7	0.17
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD22	7	0.17
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD23	7	0.17
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD11	7	0.17
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD12	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD13	7	0.17
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD21	7	0.17
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD22	7	0.17
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD23	7	0.17
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD11	7	0.17
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD12	7	0.17
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD13	7	0.17
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD21	7	0.17
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD22	7	0.17
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD23	7	0.17
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	12	0.17
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	18	0.17
(1,1948)	1:44:A:ASN:HA	1:69:A:ASN:HD22	9	0.17
(1,1936)	1:180:A:THR:HG21	1:183:A:ASP:H	15	0.17
(1,1936)	1:180:A:THR:HG22	1:183:A:ASP:H	15	0.17
(1,1936)	1:180:A:THR:HG23	1:183:A:ASP:H	15	0.17
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	5	0.17
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	5	0.17
(1,1871)	1:97:A:VAL:H	1:156:A:VAL:HG11	11	0.17
(1,1871)	1:97:A:VAL:H	1:156:A:VAL:HG12	11	0.17
(1,1871)	1:97:A:VAL:H	1:156:A:VAL:HG13	11	0.17
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	2	0.17
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	2	0.17
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	2	0.17
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	18	0.17
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	18	0.17
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	18	0.17
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	2	0.17
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	16	0.17
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	17	0.17
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	2	0.17
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	2	0.17
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	2	0.17
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	15	0.17
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	15	0.17
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	15	0.17
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	17	0.17
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	17	0.17
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	17	0.17
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	8	0.17
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	20	0.17
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	2	0.17
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	17	0.17
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	12	0.17
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	2	0.17
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	2	0.17
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	8	0.17
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	8	0.17
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	10	0.17
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	10	0.17
(1,1616)	1:121:A:LYS:H	1:121:A:LYS:HB3	3	0.17
(1,1579)	1:90:A:TYR:H	1:90:A:TYR:HD1	10	0.17
(1,1579)	1:90:A:TYR:H	1:90:A:TYR:HD2	10	0.17
(1,1579)	1:90:A:TYR:H	1:90:A:TYR:HD1	12	0.17
(1,1579)	1:90:A:TYR:H	1:90:A:TYR:HD2	12	0.17
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	13	0.17
(1,1488)	1:6:A:MET:H	1:6:A:MET:HG2	5	0.17
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	15	0.17
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	15	0.17
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	15	0.17
(1,1479)	1:191:A:LEU:HD21	1:192:A:LYS:H	19	0.17
(1,1479)	1:191:A:LEU:HD22	1:192:A:LYS:H	19	0.17
(1,1479)	1:191:A:LEU:HD23	1:192:A:LYS:H	19	0.17
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	9	0.17
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	14	0.17
(1,1378)	1:119:A:CYS:HB2	1:120:A:ILE:H	18	0.17
(1,1341)	1:96:A:LEU:HG	1:97:A:VAL:H	13	0.17
(1,1321)	1:85:A:ASN:HD21	1:86:A:GLU:H	16	0.17
(1,1321)	1:85:A:ASN:HD21	1:86:A:GLU:H	17	0.17
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	18	0.17
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	18	0.17
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	18	0.17
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	1	0.17
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	14	0.17
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	14	0.17
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	14	0.17
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	9	0.17
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	9	0.17
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	9	0.17
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	14	0.17
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	14	0.17
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	14	0.17
(1,1097)	1:75:A:THR:HG21	1:86:A:GLU:HB2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:75:A:THR:HG22	1:86:A:GLU:HB2	12	0.17
(1,1097)	1:75:A:THR:HG23	1:86:A:GLU:HB2	12	0.17
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	19	0.17
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	19	0.17
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	19	0.17
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	19	0.17
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	19	0.17
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	19	0.17
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	19	0.17
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	19	0.17
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	19	0.17
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	16	0.17
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	16	0.17
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	16	0.17
(1,961)	1:171:A:ILE:HD11	1:173:A:GLU:HG3	18	0.17
(1,961)	1:171:A:ILE:HD12	1:173:A:GLU:HG3	18	0.17
(1,961)	1:171:A:ILE:HD13	1:173:A:GLU:HG3	18	0.17
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	4	0.17
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	4	0.17
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	4	0.17
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD11	6	0.17
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD12	6	0.17
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD13	6	0.17
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	20	0.17
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	20	0.17
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	20	0.17
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	20	0.17
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	20	0.17
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	20	0.17
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	16	0.17
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	16	0.17
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	16	0.17
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	7	0.17
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	7	0.17
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	7	0.17
(1,821)	1:75:A:THR:HG21	1:83:A:ASP:HB3	5	0.17
(1,821)	1:75:A:THR:HG22	1:83:A:ASP:HB3	5	0.17
(1,821)	1:75:A:THR:HG23	1:83:A:ASP:HB3	5	0.17
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	12	0.17
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	12	0.17
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	12	0.17
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	12	0.17
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	12	0.17
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	20	0.17
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	20	0.17
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	20	0.17
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	3	0.17
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	3	0.17
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	3	0.17
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	11	0.17
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	11	0.17
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	11	0.17
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	16	0.17
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	16	0.17
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	16	0.17
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	16	0.17
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	16	0.17
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	16	0.17
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	12	0.17
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	12	0.17
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	12	0.17
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB1	16	0.17
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB2	16	0.17
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB3	16	0.17
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	13	0.17
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	13	0.17
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	13	0.17
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	18	0.17
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	18	0.17
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	18	0.17
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG21	15	0.17
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG22	15	0.17
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG23	15	0.17
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG21	15	0.17
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG22	15	0.17
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG23	15	0.17
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG21	15	0.17
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG22	15	0.17
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG23	15	0.17
(1,651)	1:20:A:PRO:HA	1:30:A:ILE:H	14	0.17
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	3	0.17
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	3	0.17
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	1	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	1	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	1	0.17
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	5	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	5	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	5	0.17
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	6	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	6	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	6	0.17
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	15	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	15	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	15	0.17
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	19	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	19	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	19	0.17
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	20	0.17
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	20	0.17
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	20	0.17
(1,566)	1:155:A:ASN:HB2	1:156:A:VAL:H	5	0.17
(1,561)	1:138:A:LYS:HB2	1:139:A:TYR:H	1	0.17
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	20	0.17
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	20	0.17
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	20	0.17
(1,506)	1:81:A:ILE:HB	1:82:A:GLU:H	20	0.17
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	8	0.17
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	8	0.17
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	8	0.17
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	12	0.17
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	12	0.17
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	12	0.17
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	13	0.17
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	13	0.17
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	13	0.17
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	15	0.17
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	15	0.17
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	15	0.17
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	2	0.17
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	9	0.17
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	13	0.17
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	7	0.17
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	12	0.17
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	12	0.17
(1,435)	1:6:A:MET:HG2	1:7:A:ALA:H	14	0.17
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	4	0.17
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	16	0.17
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	18	0.17
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	19	0.17
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	20	0.17
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	12	0.17
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	12	0.17
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	12	0.17
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	15	0.17
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	15	0.17
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	15	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	2	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	2	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	2	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	6	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	6	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	6	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD21	7	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD22	7	0.17
(1,397)	1:186:A:LEU:HA	1:186:A:LEU:HD23	7	0.17
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	8	0.17
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	17	0.17
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	15	0.17
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	15	0.17
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	15	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	1	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	1	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	1	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	7	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	7	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	7	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	10	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	10	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	10	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	12	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	12	0.17
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	12	0.17
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	5	0.16
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	5	0.16
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	5	0.16
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	5	0.16
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	5	0.16
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	16	0.16
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	16	0.16
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	16	0.16
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	16	0.16
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	16	0.16
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	16	0.16
(1,2763)	1:164:A:GLN:HG2	1:165:A:LYS:H	9	0.16
(1,2763)	1:164:A:GLN:HG3	1:165:A:LYS:H	9	0.16
(1,2754)	1:160:A:LYS:HB2	1:160:A:LYS:HE2	13	0.16
(1,2754)	1:160:A:LYS:HB2	1:160:A:LYS:HE3	13	0.16
(1,2754)	1:160:A:LYS:HB3	1:160:A:LYS:HE2	13	0.16
(1,2754)	1:160:A:LYS:HB3	1:160:A:LYS:HE3	13	0.16
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	16	0.16
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	16	0.16
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	16	0.16
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	16	0.16
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	16	0.16
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	16	0.16
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	16	0.16
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	16	0.16
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	16	0.16
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	16	0.16
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	16	0.16
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	16	0.16
(1,2660)	1:132:A:VAL:HG11	1:133:A:MET:HA	15	0.16
(1,2660)	1:132:A:VAL:HG12	1:133:A:MET:HA	15	0.16
(1,2660)	1:132:A:VAL:HG13	1:133:A:MET:HA	15	0.16
(1,2660)	1:132:A:VAL:HG21	1:133:A:MET:HA	15	0.16
(1,2660)	1:132:A:VAL:HG22	1:133:A:MET:HA	15	0.16
(1,2660)	1:132:A:VAL:HG23	1:133:A:MET:HA	15	0.16
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	7	0.16
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	7	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	2	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	2	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	2	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	2	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	2	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	2	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	17	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	17	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	17	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	17	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	17	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	19	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	19	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	19	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	19	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	19	0.16
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	19	0.16
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	3	0.16
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	3	0.16
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	11	0.16
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	11	0.16
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	16	0.16
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	16	0.16
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	3	0.16
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	3	0.16
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	3	0.16
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	3	0.16
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	3	0.16
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	3	0.16
(1,2537)	1:108:A:LYS:HD2	1:109:A:ILE:H	20	0.16
(1,2537)	1:108:A:LYS:HD3	1:109:A:ILE:H	20	0.16
(1,2504)	1:96:A:LEU:HD11	1:154:A:ILE:HA	10	0.16
(1,2504)	1:96:A:LEU:HD12	1:154:A:ILE:HA	10	0.16
(1,2504)	1:96:A:LEU:HD13	1:154:A:ILE:HA	10	0.16
(1,2504)	1:96:A:LEU:HD21	1:154:A:ILE:HA	10	0.16
(1,2504)	1:96:A:LEU:HD22	1:154:A:ILE:HA	10	0.16
(1,2504)	1:96:A:LEU:HD23	1:154:A:ILE:HA	10	0.16
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	18	0.16
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	18	0.16
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	18	0.16
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	18	0.16
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	18	0.16
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	18	0.16
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	2	0.16
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	2	0.16
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	13	0.16
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	13	0.16
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	17	0.16
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	1	0.16
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	1	0.16
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	3	0.16
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	3	0.16
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	18	0.16
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	18	0.16
(1,2272)	1:42:A:VAL:HG11	1:44:A:ASN:H	3	0.16
(1,2272)	1:42:A:VAL:HG12	1:44:A:ASN:H	3	0.16
(1,2272)	1:42:A:VAL:HG13	1:44:A:ASN:H	3	0.16
(1,2272)	1:42:A:VAL:HG21	1:44:A:ASN:H	3	0.16
(1,2272)	1:42:A:VAL:HG22	1:44:A:ASN:H	3	0.16
(1,2272)	1:42:A:VAL:HG23	1:44:A:ASN:H	3	0.16
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	7	0.16
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	7	0.16
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	7	0.16
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	7	0.16
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	1	0.16
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	1	0.16
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	1	0.16
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	1	0.16
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	1	0.16
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	1	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	9	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	9	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	9	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	9	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	9	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	9	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	10	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	10	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	10	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	10	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	10	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	10	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	16	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	16	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	16	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	16	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	16	0.16
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	16	0.16
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD11	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD12	17	0.16
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD13	17	0.16
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD21	17	0.16
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD22	17	0.16
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD23	17	0.16
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD11	17	0.16
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD12	17	0.16
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD13	17	0.16
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD21	17	0.16
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD22	17	0.16
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD23	17	0.16
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	17	0.16
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	17	0.16
(1,2147)	1:24:A:LEU:HD11	1:184:A:LEU:HA	16	0.16
(1,2147)	1:24:A:LEU:HD12	1:184:A:LEU:HA	16	0.16
(1,2147)	1:24:A:LEU:HD13	1:184:A:LEU:HA	16	0.16
(1,2147)	1:24:A:LEU:HD21	1:184:A:LEU:HA	16	0.16
(1,2147)	1:24:A:LEU:HD22	1:184:A:LEU:HA	16	0.16
(1,2147)	1:24:A:LEU:HD23	1:184:A:LEU:HA	16	0.16
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	15	0.16
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	15	0.16
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	15	0.16
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	15	0.16
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	15	0.16
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	15	0.16
(1,2072)	1:4:A:LEU:HD11	1:84:A:LEU:HA	2	0.16
(1,2072)	1:4:A:LEU:HD12	1:84:A:LEU:HA	2	0.16
(1,2072)	1:4:A:LEU:HD13	1:84:A:LEU:HA	2	0.16
(1,2072)	1:4:A:LEU:HD21	1:84:A:LEU:HA	2	0.16
(1,2072)	1:4:A:LEU:HD22	1:84:A:LEU:HA	2	0.16
(1,2072)	1:4:A:LEU:HD23	1:84:A:LEU:HA	2	0.16
(1,2072)	1:4:A:LEU:HD11	1:84:A:LEU:HA	19	0.16
(1,2072)	1:4:A:LEU:HD12	1:84:A:LEU:HA	19	0.16
(1,2072)	1:4:A:LEU:HD13	1:84:A:LEU:HA	19	0.16
(1,2072)	1:4:A:LEU:HD21	1:84:A:LEU:HA	19	0.16
(1,2072)	1:4:A:LEU:HD22	1:84:A:LEU:HA	19	0.16
(1,2072)	1:4:A:LEU:HD23	1:84:A:LEU:HA	19	0.16
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	8	0.16
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	8	0.16
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	8	0.16
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	8	0.16
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	8	0.16
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	8	0.16
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	8	0.16
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	8	0.16
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	8	0.16
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	8	0.16
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	8	0.16
(1,2050)	1:4:A:LEU:H	1:97:A:VAL:HG11	8	0.16
(1,2050)	1:4:A:LEU:H	1:97:A:VAL:HG12	8	0.16
(1,2050)	1:4:A:LEU:H	1:97:A:VAL:HG13	8	0.16
(1,2050)	1:4:A:LEU:H	1:97:A:VAL:HG21	8	0.16
(1,2050)	1:4:A:LEU:H	1:97:A:VAL:HG22	8	0.16
(1,2050)	1:4:A:LEU:H	1:97:A:VAL:HG23	8	0.16
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG2	17	0.16
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG3	17	0.16
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG2	17	0.16
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG3	17	0.16
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG2	17	0.16
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG3	17	0.16
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	18	0.16
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	18	0.16
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	2	0.16
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	7	0.16
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	4	0.16
(1,1939)	1:178:A:ILE:HD11	1:187:A:ALA:H	2	0.16
(1,1939)	1:178:A:ILE:HD12	1:187:A:ALA:H	2	0.16
(1,1939)	1:178:A:ILE:HD13	1:187:A:ALA:H	2	0.16
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	20	0.16
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	20	0.16
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	20	0.16
(1,1856)	1:79:A:GLY:H	1:83:A:ASP:H	2	0.16
(1,1856)	1:79:A:GLY:H	1:83:A:ASP:H	18	0.16
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	11	0.16
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	11	0.16
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	11	0.16
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	3	0.16
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	4	0.16
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	10	0.16
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	16	0.16
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	19	0.16
(1,1803)	1:58:A:GLU:HA	1:61:A:ASN:H	3	0.16
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	17	0.16
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	19	0.16
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	16	0.16
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	16	0.16
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	13	0.16
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	17	0.16
(1,1616)	1:121:A:LYS:H	1:121:A:LYS:HB3	1	0.16
(1,1616)	1:121:A:LYS:H	1:121:A:LYS:HB3	2	0.16
(1,1616)	1:121:A:LYS:H	1:121:A:LYS:HB3	6	0.16
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	16	0.16
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	16	0.16
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	16	0.16
(1,1341)	1:96:A:LEU:HG	1:97:A:VAL:H	10	0.16
(1,1314)	1:81:A:ILE:HD11	1:82:A:GLU:H	16	0.16
(1,1314)	1:81:A:ILE:HD12	1:82:A:GLU:H	16	0.16
(1,1314)	1:81:A:ILE:HD13	1:82:A:GLU:H	16	0.16
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	1	0.16
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	19	0.16
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	1	0.16
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	1	0.16
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	1	0.16
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	6	0.16
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	6	0.16
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	6	0.16
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	10	0.16
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	10	0.16
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	10	0.16
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	14	0.16
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	14	0.16
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	14	0.16
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	4	0.16
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	4	0.16
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	4	0.16
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	9	0.16
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	9	0.16
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	9	0.16
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	15	0.16
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	15	0.16
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	15	0.16
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	15	0.16
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	15	0.16
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	15	0.16
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	15	0.16
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	15	0.16
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	3	0.16
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	3	0.16
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	3	0.16
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	3	0.16
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	3	0.16
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	3	0.16
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	3	0.16
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	3	0.16
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	3	0.16
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	18	0.16
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	18	0.16
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	18	0.16
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	18	0.16
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	18	0.16
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	18	0.16
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	12	0.16
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	12	0.16
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	12	0.16
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	13	0.16
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	13	0.16
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	13	0.16
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	15	0.16
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	15	0.16
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	15	0.16
(1,960)	1:109:A:ILE:HD11	1:173:A:GLU:HG3	19	0.16
(1,960)	1:109:A:ILE:HD12	1:173:A:GLU:HG3	19	0.16
(1,960)	1:109:A:ILE:HD13	1:173:A:GLU:HG3	19	0.16
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	12	0.16
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	12	0.16
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	12	0.16
(1,952)	1:134:A:ILE:HA	1:170:A:VAL:HG11	17	0.16
(1,952)	1:134:A:ILE:HA	1:170:A:VAL:HG12	17	0.16
(1,952)	1:134:A:ILE:HA	1:170:A:VAL:HG13	17	0.16
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	6	0.16
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	6	0.16
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	6	0.16
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	14	0.16
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	14	0.16
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	14	0.16
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	14	0.16
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	14	0.16
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	4	0.16
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	4	0.16
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	4	0.16
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	15	0.16
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	15	0.16
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	15	0.16
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	13	0.16
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	13	0.16
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	13	0.16
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD21	18	0.16
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD22	18	0.16
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD23	18	0.16
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	19	0.16
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	19	0.16
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	19	0.16
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	19	0.16
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	19	0.16
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	19	0.16
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	4	0.16
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	4	0.16
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	4	0.16
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	16	0.16
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	16	0.16
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	16	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	2	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	2	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	2	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	7	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	7	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	7	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD11	16	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD12	16	0.16
(1,804)	1:46:A:PHE:H	1:73:A:ILE:HD13	16	0.16
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD11	6	0.16
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD12	6	0.16
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD13	6	0.16
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	20	0.16
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG21	16	0.16
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG22	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:49:A:THR:HB	1:56:A:THR:HG23	16	0.16
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB1	10	0.16
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB2	10	0.16
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB3	10	0.16
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	12	0.16
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	12	0.16
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	12	0.16
(1,570)	1:163:A:TYR:HB2	1:164:A:GLN:H	20	0.16
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	3	0.16
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	3	0.16
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	3	0.16
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	14	0.16
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	14	0.16
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	14	0.16
(1,528)	1:98:A:VAL:HB	1:99:A:SER:H	8	0.16
(1,525)	1:96:A:LEU:HD21	1:97:A:VAL:H	20	0.16
(1,525)	1:96:A:LEU:HD22	1:97:A:VAL:H	20	0.16
(1,525)	1:96:A:LEU:HD23	1:97:A:VAL:H	20	0.16
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	6	0.16
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	6	0.16
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	6	0.16
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	6	0.16
(1,495)	1:71:A:VAL:HB	1:72:A:VAL:H	10	0.16
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	5	0.16
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	9	0.16
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	15	0.16
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	17	0.16
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	19	0.16
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	19	0.16
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	19	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	2	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	2	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	2	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	8	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	8	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	8	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	12	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	12	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	12	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	14	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	14	0.16
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	7	0.16
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	10	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	1	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	1	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	1	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	10	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	10	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	10	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	13	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	13	0.16
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	13	0.16
(1,118)	1:58:A:GLU:H	1:58:A:GLU:HG3	6	0.16
(1,39)	1:27:A:ARG:HA	1:27:A:ARG:HG3	19	0.16
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	10	0.15
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	10	0.15
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	10	0.15
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	10	0.15
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	10	0.15
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	10	0.15
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	11	0.15
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	11	0.15
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	11	0.15
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	11	0.15
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	11	0.15
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	11	0.15
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	18	0.15
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	18	0.15
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	18	0.15
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	18	0.15
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	18	0.15
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	18	0.15
(1,2842)	1:190:A:LEU:HD11	1:191:A:LEU:H	17	0.15
(1,2842)	1:190:A:LEU:HD12	1:191:A:LEU:H	17	0.15
(1,2842)	1:190:A:LEU:HD13	1:191:A:LEU:H	17	0.15
(1,2842)	1:190:A:LEU:HD21	1:191:A:LEU:H	17	0.15
(1,2842)	1:190:A:LEU:HD22	1:191:A:LEU:H	17	0.15
(1,2842)	1:190:A:LEU:HD23	1:191:A:LEU:H	17	0.15
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	3	0.15
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	3	0.15
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	5	0.15
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	5	0.15
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	5	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	6	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	6	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	6	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	6	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	6	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	6	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	6	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	6	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	6	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	6	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	6	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	6	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	12	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	12	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	12	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	12	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	12	0.15
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	12	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	12	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	12	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	12	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	12	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	12	0.15
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	12	0.15
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG2	20	0.15
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG3	20	0.15
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG2	20	0.15
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG3	20	0.15
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG2	20	0.15
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG3	20	0.15
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG2	20	0.15
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG3	20	0.15
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG2	20	0.15
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG3	20	0.15
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG2	20	0.15
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG3	20	0.15
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	4	0.15
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	4	0.15
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	4	0.15
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	4	0.15
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	4	0.15
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	4	0.15
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	4	0.15
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	4	0.15
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	4	0.15
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	4	0.15
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	4	0.15
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	8	0.15
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	8	0.15
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	8	0.15
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	8	0.15
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	8	0.15
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	8	0.15
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	8	0.15
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	8	0.15
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	8	0.15
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	8	0.15
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	8	0.15
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	8	0.15
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	16	0.15
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	16	0.15
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	16	0.15
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	16	0.15
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	16	0.15
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	16	0.15
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	16	0.15
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	16	0.15
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	16	0.15
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	16	0.15
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	16	0.15
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	16	0.15
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	19	0.15
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	19	0.15
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	6	0.15
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	6	0.15
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	6	0.15
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	6	0.15
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	6	0.15
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	6	0.15
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	6	0.15
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	6	0.15
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	6	0.15
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	6	0.15
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	6	0.15
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	6	0.15
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	6	0.15
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	6	0.15
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	6	0.15
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	6	0.15
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	6	0.15
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	10	0.15
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	10	0.15
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	10	0.15
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	10	0.15
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	10	0.15
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	10	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	15	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	15	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	15	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	15	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	15	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	15	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	18	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	18	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	18	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	18	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	18	0.15
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	18	0.15
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	5	0.15
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	5	0.15
(1,2537)	1:108:A:LYS:HD2	1:109:A:ILE:H	3	0.15
(1,2537)	1:108:A:LYS:HD3	1:109:A:ILE:H	3	0.15
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	19	0.15
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	19	0.15
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	19	0.15
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	19	0.15
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	19	0.15
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	19	0.15
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	14	0.15
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	14	0.15
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	14	0.15
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	14	0.15
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	14	0.15
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	6	0.15
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	6	0.15
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	6	0.15
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	6	0.15
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	9	0.15
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	9	0.15
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	11	0.15
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	11	0.15
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	16	0.15
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	16	0.15
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	8	0.15
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	8	0.15
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	14	0.15
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	14	0.15
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	14	0.15
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	14	0.15
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG11	9	0.15
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG12	9	0.15
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG13	9	0.15
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG21	9	0.15
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG22	9	0.15
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG23	9	0.15
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB2	8	0.15
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB3	8	0.15
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB2	8	0.15
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB3	8	0.15
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB2	8	0.15
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB3	8	0.15
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB2	8	0.15
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB3	8	0.15
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB2	8	0.15
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB3	8	0.15
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB2	8	0.15
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB3	8	0.15
(1,2241)	1:38:A:LEU:HD11	1:69:A:ASN:HA	7	0.15
(1,2241)	1:38:A:LEU:HD12	1:69:A:ASN:HA	7	0.15
(1,2241)	1:38:A:LEU:HD13	1:69:A:ASN:HA	7	0.15
(1,2241)	1:38:A:LEU:HD21	1:69:A:ASN:HA	7	0.15
(1,2241)	1:38:A:LEU:HD22	1:69:A:ASN:HA	7	0.15
(1,2241)	1:38:A:LEU:HD23	1:69:A:ASN:HA	7	0.15
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	9	0.15
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	9	0.15
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	9	0.15
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	9	0.15
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	9	0.15
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	13	0.15
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	13	0.15
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	13	0.15
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	13	0.15
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	13	0.15
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	13	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	12	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	12	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	12	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	12	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	12	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	12	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	14	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	14	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	14	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	14	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	14	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	14	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	19	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	19	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	19	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	19	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	19	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	19	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	20	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	20	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	20	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	20	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	20	0.15
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	20	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	7	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	7	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	10	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	10	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	19	0.15
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	19	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	1	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	1	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	1	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	1	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	1	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	2	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	2	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	2	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	2	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	2	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	2	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	7	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	7	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	7	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	7	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	7	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	7	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	9	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	9	0.15
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	9	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	9	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	9	0.15
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	9	0.15
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	12	0.15
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	12	0.15
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	12	0.15
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	12	0.15
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	13	0.15
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	13	0.15
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	13	0.15
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	13	0.15
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	13	0.15
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	13	0.15
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	13	0.15
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	13	0.15
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	13	0.15
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	13	0.15
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	13	0.15
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	13	0.15
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	13	0.15
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	13	0.15
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	13	0.15
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	13	0.15
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	13	0.15
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	13	0.15
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	13	0.15
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	13	0.15
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	13	0.15
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	13	0.15
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	13	0.15
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD11	8	0.15
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD12	8	0.15
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD13	8	0.15
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD21	8	0.15
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD22	8	0.15
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD23	8	0.15
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD11	8	0.15
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD12	8	0.15
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD13	8	0.15
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD21	8	0.15
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD22	8	0.15
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD23	8	0.15
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD11	8	0.15
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD12	8	0.15
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD13	8	0.15
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD21	8	0.15
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD22	8	0.15
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD23	8	0.15
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	4	0.15
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	10	0.15
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	13	0.15
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	9	0.15
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	17	0.15
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	2	0.15
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	19	0.15
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD1	2	0.15
(1,1875)	1:27:A:ARG:H	1:32:A:TYR:HD2	2	0.15
(1,1869)	1:75:A:THR:HG21	1:87:A:CYS:H	15	0.15
(1,1869)	1:75:A:THR:HG22	1:87:A:CYS:H	15	0.15
(1,1869)	1:75:A:THR:HG23	1:87:A:CYS:H	15	0.15
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	5	0.15
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	9	0.15
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	15	0.15
(1,1838)	1:77:A:GLY:H	1:79:A:GLY:H	14	0.15
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	8	0.15
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	8	0.15
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	8	0.15
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	14	0.15
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	14	0.15
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	14	0.15
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	17	0.15
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	1	0.15
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	1	0.15
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	5	0.15
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	9	0.15
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	18	0.15
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	7	0.15
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	7	0.15
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	4	0.15
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	16	0.15
(1,1617)	1:121:A:LYS:H	1:121:A:LYS:HG3	19	0.15
(1,1496)	1:27:A:ARG:H	1:27:A:ARG:HB2	4	0.15
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	8	0.15
(1,1406)	1:138:A:LYS:HB3	1:139:A:TYR:H	8	0.15
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	5	0.15
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	5	0.15
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	5	0.15
(1,1341)	1:96:A:LEU:HG	1:97:A:VAL:H	2	0.15
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	20	0.15
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	2	0.15
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	2	0.15
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	2	0.15
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	4	0.15
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	4	0.15
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	4	0.15
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	7	0.15
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	7	0.15
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	7	0.15
(1,1272)	1:57:A:LYS:HG2	1:58:A:GLU:H	4	0.15
(1,1220)	1:23:A:LYS:HG2	1:24:A:LEU:H	20	0.15
(1,1186)	1:132:A:VAL:HG21	1:169:A:MET:HE1	15	0.15
(1,1186)	1:132:A:VAL:HG21	1:169:A:MET:HE2	15	0.15
(1,1186)	1:132:A:VAL:HG21	1:169:A:MET:HE3	15	0.15
(1,1186)	1:132:A:VAL:HG22	1:169:A:MET:HE1	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:132:A:VAL:HG22	1:169:A:MET:HE2	15	0.15
(1,1186)	1:132:A:VAL:HG22	1:169:A:MET:HE3	15	0.15
(1,1186)	1:132:A:VAL:HG23	1:169:A:MET:HE1	15	0.15
(1,1186)	1:132:A:VAL:HG23	1:169:A:MET:HE2	15	0.15
(1,1186)	1:132:A:VAL:HG23	1:169:A:MET:HE3	15	0.15
(1,1177)	1:139:A:TYR:HD1	1:142:A:PRO:HA	14	0.15
(1,1177)	1:139:A:TYR:HD2	1:142:A:PRO:HA	14	0.15
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	11	0.15
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	11	0.15
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	11	0.15
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	12	0.15
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	12	0.15
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	12	0.15
(1,1109)	1:129:A:ALA:HB1	1:166:A:GLU:HG2	7	0.15
(1,1109)	1:129:A:ALA:HB2	1:166:A:GLU:HG2	7	0.15
(1,1109)	1:129:A:ALA:HB3	1:166:A:GLU:HG2	7	0.15
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	3	0.15
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	3	0.15
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	3	0.15
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	3	0.15
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	3	0.15
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	3	0.15
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	3	0.15
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	3	0.15
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	3	0.15
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	2	0.15
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	2	0.15
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	2	0.15
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	9	0.15
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	9	0.15
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	9	0.15
(1,1001)	1:152:A:ALA:HB1	1:154:A:ILE:H	12	0.15
(1,1001)	1:152:A:ALA:HB2	1:154:A:ILE:H	12	0.15
(1,1001)	1:152:A:ALA:HB3	1:154:A:ILE:H	12	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	2	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	2	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	2	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	7	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	7	0.15
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	7	0.15
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	17	0.15
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	17	0.15
(1,959)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	5	0.15
(1,959)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	5	0.15
(1,959)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	5	0.15
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD11	3	0.15
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD12	3	0.15
(1,958)	1:174:A:LEU:HA	1:175:A:ILE:HD13	3	0.15
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	15	0.15
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	15	0.15
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	15	0.15
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	15	0.15
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	15	0.15
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	15	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG21	7	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG22	7	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG23	7	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG21	7	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG22	7	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG23	7	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG21	14	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG22	14	0.15
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG23	14	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG21	14	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG22	14	0.15
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG23	14	0.15
(1,899)	1:131:A:ALA:HB1	1:133:A:MET:HG2	8	0.15
(1,899)	1:131:A:ALA:HB2	1:133:A:MET:HG2	8	0.15
(1,899)	1:131:A:ALA:HB3	1:133:A:MET:HG2	8	0.15
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD11	1	0.15
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD12	1	0.15
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD13	1	0.15
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD11	1	0.15
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD12	1	0.15
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD13	1	0.15
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	18	0.15
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	18	0.15
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	18	0.15
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	4	0.15
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	4	0.15
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	4	0.15
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	15	0.15
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	15	0.15
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	15	0.15
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	15	0.15
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	15	0.15
(1,767)	1:61:A:ASN:HA	1:65:A:LYS:H	19	0.15
(1,693)	1:42:A:VAL:HG21	1:43:A:ASN:HB3	14	0.15
(1,693)	1:42:A:VAL:HG22	1:43:A:ASN:HB3	14	0.15
(1,693)	1:42:A:VAL:HG23	1:43:A:ASN:HB3	14	0.15
(1,615)	1:1:A:MET:HE1	1:96:A:LEU:HA	11	0.15
(1,615)	1:1:A:MET:HE2	1:96:A:LEU:HA	11	0.15
(1,615)	1:1:A:MET:HE3	1:96:A:LEU:HA	11	0.15
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE1	20	0.15
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE2	20	0.15
(1,610)	1:189:A:MET:HA	1:189:A:MET:HE3	20	0.15
(1,598)	1:186:A:LEU:HG	1:187:A:ALA:H	8	0.15
(1,592)	1:179:A:ASN:HB3	1:180:A:THR:H	5	0.15
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	4	0.15
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	4	0.15
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	4	0.15
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	18	0.15
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	18	0.15
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	18	0.15
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	7	0.15
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	10	0.15
(1,511)	1:84:A:LEU:HG	1:85:A:ASN:H	18	0.15
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	1	0.15
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	1	0.15
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	1	0.15
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	2	0.15
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	2	0.15
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	2	0.15
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	14	0.15
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	14	0.15
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	14	0.15
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	20	0.15
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	20	0.15
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	20	0.15
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	11	0.15
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	11	0.15
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	11	0.15
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	2	0.15
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD11	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD12	9	0.15
(1,422)	1:191:A:LEU:HA	1:191:A:LEU:HD13	9	0.15
(1,395)	1:185:A:LYS:H	1:185:A:LYS:HB3	20	0.15
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	13	0.15
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	16	0.15
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	3	0.15
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	3	0.15
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	3	0.15
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	8	0.15
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	8	0.15
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	8	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	1	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	1	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	1	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	3	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	3	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	3	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	4	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	4	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	4	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	12	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	12	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	12	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	15	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	15	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	15	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	19	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	19	0.15
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	19	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	9	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	9	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	9	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	11	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	11	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	11	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	15	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	15	0.15
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	15	0.15
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	7	0.14
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	7	0.14
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	7	0.14
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	7	0.14
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	7	0.14
(1,2848)	1:191:A:LEU:HD11	1:192:A:LYS:H	13	0.14
(1,2848)	1:191:A:LEU:HD12	1:192:A:LYS:H	13	0.14
(1,2848)	1:191:A:LEU:HD13	1:192:A:LYS:H	13	0.14
(1,2848)	1:191:A:LEU:HD21	1:192:A:LYS:H	13	0.14
(1,2848)	1:191:A:LEU:HD22	1:192:A:LYS:H	13	0.14
(1,2848)	1:191:A:LEU:HD23	1:192:A:LYS:H	13	0.14
(1,2833)	1:188:A:GLU:HB2	1:189:A:MET:H	1	0.14
(1,2833)	1:188:A:GLU:HB3	1:189:A:MET:H	1	0.14
(1,2833)	1:188:A:GLU:HB2	1:189:A:MET:H	5	0.14
(1,2833)	1:188:A:GLU:HB3	1:189:A:MET:H	5	0.14
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	19	0.14
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	19	0.14
(1,2795)	1:174:A:LEU:HD11	1:175:A:ILE:H	16	0.14
(1,2795)	1:174:A:LEU:HD12	1:175:A:ILE:H	16	0.14
(1,2795)	1:174:A:LEU:HD13	1:175:A:ILE:H	16	0.14
(1,2795)	1:174:A:LEU:HD21	1:175:A:ILE:H	16	0.14
(1,2795)	1:174:A:LEU:HD22	1:175:A:ILE:H	16	0.14
(1,2795)	1:174:A:LEU:HD23	1:175:A:ILE:H	16	0.14
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	14	0.14
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	14	0.14
(1,2765)	1:165:A:LYS:H	1:165:A:LYS:HG2	13	0.14
(1,2765)	1:165:A:LYS:H	1:165:A:LYS:HG3	13	0.14
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	7	0.14
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	7	0.14
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	18	0.14
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	18	0.14
(1,2706)	1:138:A:LYS:HG2	1:139:A:TYR:H	2	0.14
(1,2706)	1:138:A:LYS:HG3	1:139:A:TYR:H	2	0.14
(1,2706)	1:138:A:LYS:HG2	1:139:A:TYR:H	20	0.14
(1,2706)	1:138:A:LYS:HG3	1:139:A:TYR:H	20	0.14
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG11	18	0.14
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG12	18	0.14
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG13	18	0.14
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG21	18	0.14
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG22	18	0.14
(1,2702)	1:136:A:LYS:HG2	1:150:A:VAL:HG23	18	0.14
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG11	18	0.14
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG12	18	0.14
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG13	18	0.14
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG22	18	0.14
(1,2702)	1:136:A:LYS:HG3	1:150:A:VAL:HG23	18	0.14
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG2	8	0.14
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG3	8	0.14
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG2	8	0.14
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG3	8	0.14
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG2	8	0.14
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG3	8	0.14
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG2	8	0.14
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG3	8	0.14
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG2	8	0.14
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG3	8	0.14
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG2	8	0.14
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG3	8	0.14
(1,2605)	1:121:A:LYS:HE2	1:125:A:PRO:HA	13	0.14
(1,2605)	1:121:A:LYS:HE3	1:125:A:PRO:HA	13	0.14
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	10	0.14
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	10	0.14
(1,2602)	1:121:A:LYS:HG2	1:125:A:PRO:HA	18	0.14
(1,2602)	1:121:A:LYS:HG3	1:125:A:PRO:HA	18	0.14
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	18	0.14
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	18	0.14
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	18	0.14
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	18	0.14
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	18	0.14
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	18	0.14
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	13	0.14
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	13	0.14
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG11	11	0.14
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG12	11	0.14
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG13	11	0.14
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG21	11	0.14
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG22	11	0.14
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG23	11	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	6	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	6	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	6	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	6	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	6	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	6	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	14	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	14	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	14	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	14	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	14	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	16	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	16	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	16	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	16	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	16	0.14
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	16	0.14
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	14	0.14
(1,2544)	1:109:A:ILE:HD11	1:173:A:GLU:HB3	14	0.14
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	14	0.14
(1,2544)	1:109:A:ILE:HD12	1:173:A:GLU:HB3	14	0.14
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	14	0.14
(1,2544)	1:109:A:ILE:HD13	1:173:A:GLU:HB3	14	0.14
(1,2537)	1:108:A:LYS:HD2	1:109:A:ILE:H	18	0.14
(1,2537)	1:108:A:LYS:HD3	1:109:A:ILE:H	18	0.14
(1,2534)	1:108:A:LYS:HA	1:111:A:ASN:HD21	20	0.14
(1,2534)	1:108:A:LYS:HA	1:111:A:ASN:HD22	20	0.14
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	9	0.14
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	9	0.14
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	9	0.14
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	9	0.14
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	9	0.14
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	9	0.14
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	13	0.14
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	13	0.14
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	13	0.14
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	13	0.14
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	13	0.14
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	13	0.14
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	16	0.14
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	16	0.14
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	16	0.14
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	16	0.14
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	16	0.14
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	16	0.14
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	11	0.14
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	11	0.14
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	11	0.14
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	11	0.14
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	11	0.14
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	18	0.14
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	18	0.14
(1,2433)	1:78:A:LYS:HD2	1:79:A:GLY:H	2	0.14
(1,2433)	1:78:A:LYS:HD3	1:79:A:GLY:H	2	0.14
(1,2355)	1:60:A:ILE:H	1:61:A:ASN:HB2	7	0.14
(1,2355)	1:60:A:ILE:H	1:61:A:ASN:HB3	7	0.14
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	13	0.14
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	13	0.14
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	13	0.14
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	13	0.14
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	13	0.14
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	13	0.14
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	13	0.14
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	13	0.14
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	13	0.14
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	13	0.14
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	13	0.14
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	13	0.14
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD21	4	0.14
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD22	4	0.14
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD21	4	0.14
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD22	4	0.14
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG11	20	0.14
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG12	20	0.14
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG13	20	0.14
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG21	20	0.14
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG22	20	0.14
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG23	20	0.14
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG11	20	0.14
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG12	20	0.14
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG13	20	0.14
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG21	20	0.14
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG22	20	0.14
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG23	20	0.14
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	7	0.14
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	7	0.14
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	7	0.14
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	7	0.14
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	7	0.14
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	17	0.14
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	17	0.14
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	17	0.14
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	17	0.14
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	17	0.14
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	17	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	2	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	2	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	2	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	2	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	2	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	2	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	3	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	3	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	3	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	3	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	3	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	3	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	4	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	4	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	4	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	4	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	4	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	4	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	11	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	11	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	11	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	11	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	11	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	11	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	13	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	13	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	13	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	13	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	13	0.14
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	13	0.14
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD11	10	0.14
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD12	10	0.14
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD13	10	0.14
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD21	10	0.14
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD22	10	0.14
(1,2136)	1:22:A:ILE:HD11	1:184:A:LEU:HD23	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD11	10	0.14
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD12	10	0.14
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD13	10	0.14
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD21	10	0.14
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD22	10	0.14
(1,2136)	1:22:A:ILE:HD12	1:184:A:LEU:HD23	10	0.14
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD11	10	0.14
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD12	10	0.14
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD13	10	0.14
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD21	10	0.14
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD22	10	0.14
(1,2136)	1:22:A:ILE:HD13	1:184:A:LEU:HD23	10	0.14
(1,2130)	1:21:A:LEU:HD11	1:59:A:TYR:HA	17	0.14
(1,2130)	1:21:A:LEU:HD12	1:59:A:TYR:HA	17	0.14
(1,2130)	1:21:A:LEU:HD13	1:59:A:TYR:HA	17	0.14
(1,2130)	1:21:A:LEU:HD21	1:59:A:TYR:HA	17	0.14
(1,2130)	1:21:A:LEU:HD22	1:59:A:TYR:HA	17	0.14
(1,2130)	1:21:A:LEU:HD23	1:59:A:TYR:HA	17	0.14
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	14	0.14
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	14	0.14
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	14	0.14
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	14	0.14
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	14	0.14
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	14	0.14
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	14	0.14
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	14	0.14
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	14	0.14
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	14	0.14
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	14	0.14
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	14	0.14
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	14	0.14
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	14	0.14
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	14	0.14
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	14	0.14
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	14	0.14
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	14	0.14
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	3	0.14
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	3	0.14
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	3	0.14
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	3	0.14
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	3	0.14
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	11	0.14
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	11	0.14
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	11	0.14
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	11	0.14
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	11	0.14
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	11	0.14
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	11	0.14
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	11	0.14
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	11	0.14
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	11	0.14
(1,2091)	1:6:A:MET:H	1:98:A:VAL:HG11	8	0.14
(1,2091)	1:6:A:MET:H	1:98:A:VAL:HG12	8	0.14
(1,2091)	1:6:A:MET:H	1:98:A:VAL:HG13	8	0.14
(1,2091)	1:6:A:MET:H	1:98:A:VAL:HG21	8	0.14
(1,2091)	1:6:A:MET:H	1:98:A:VAL:HG22	8	0.14
(1,2091)	1:6:A:MET:H	1:98:A:VAL:HG23	8	0.14
(1,2072)	1:4:A:LEU:HD11	1:84:A:LEU:HA	4	0.14
(1,2072)	1:4:A:LEU:HD12	1:84:A:LEU:HA	4	0.14
(1,2072)	1:4:A:LEU:HD13	1:84:A:LEU:HA	4	0.14
(1,2072)	1:4:A:LEU:HD21	1:84:A:LEU:HA	4	0.14
(1,2072)	1:4:A:LEU:HD22	1:84:A:LEU:HA	4	0.14
(1,2072)	1:4:A:LEU:HD23	1:84:A:LEU:HA	4	0.14
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	3	0.14
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	5	0.14
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	5	0.14
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	20	0.14
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	19	0.14
(1,1856)	1:79:A:GLY:H	1:83:A:ASP:H	13	0.14
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	5	0.14
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	11	0.14
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	13	0.14
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	14	0.14
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	15	0.14
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	18	0.14
(1,1801)	1:53:A:THR:HA	1:55:A:LYS:H	14	0.14
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	13	0.14
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	16	0.14
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	15	0.14
(1,1666)	1:174:A:LEU:H	1:174:A:LEU:HB2	6	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	5	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	5	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	9	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	17	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	17	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	18	0.14
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	18	0.14
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	11	0.14
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	7	0.14
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	8	0.14
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	11	0.14
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	19	0.14
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	16	0.14
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	16	0.14
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	16	0.14
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	1	0.14
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	11	0.14
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	12	0.14
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	6	0.14
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	5	0.14
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	6	0.14
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	7	0.14
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	12	0.14
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	10	0.14
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	10	0.14
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	10	0.14
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	2	0.14
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	6	0.14
(1,1302)	1:74:A:ASP:HB3	1:75:A:THR:H	11	0.14
(1,1302)	1:74:A:ASP:HB2	1:75:A:THR:H	11	0.14
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	16	0.14
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	16	0.14
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	16	0.14
(1,1219)	1:23:A:LYS:HB2	1:24:A:LEU:H	13	0.14
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	1	0.14
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	1	0.14
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	1	0.14
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	20	0.14
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	20	0.14
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	20	0.14
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	1	0.14
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	1	0.14
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	1	0.14
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	18	0.14
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	18	0.14
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	10	0.14
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	10	0.14
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	10	0.14
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	10	0.14
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	10	0.14
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	10	0.14
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	10	0.14
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	10	0.14
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	10	0.14
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD11	13	0.14
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD12	13	0.14
(1,1080)	1:134:A:ILE:HD11	1:171:A:ILE:HD13	13	0.14
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD11	13	0.14
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD12	13	0.14
(1,1080)	1:134:A:ILE:HD12	1:171:A:ILE:HD13	13	0.14
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD11	13	0.14
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD12	13	0.14
(1,1080)	1:134:A:ILE:HD13	1:171:A:ILE:HD13	13	0.14
(1,1060)	1:109:A:ILE:HD11	1:173:A:GLU:HB2	13	0.14
(1,1060)	1:109:A:ILE:HD12	1:173:A:GLU:HB2	13	0.14
(1,1060)	1:109:A:ILE:HD13	1:173:A:GLU:HB2	13	0.14
(1,1001)	1:152:A:ALA:HB1	1:154:A:ILE:H	14	0.14
(1,1001)	1:152:A:ALA:HB2	1:154:A:ILE:H	14	0.14
(1,1001)	1:152:A:ALA:HB3	1:154:A:ILE:H	14	0.14
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	11	0.14
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	11	0.14
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	11	0.14
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	14	0.14
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	14	0.14
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	14	0.14
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	4	0.14
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	4	0.14
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	4	0.14
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	5	0.14
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	5	0.14
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	5	0.14
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	20	0.14
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	20	0.14
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	20	0.14
(1,963)	1:174:A:LEU:HA	1:175:A:ILE:HG21	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:174:A:LEU:HA	1:175:A:ILE:HG22	17	0.14
(1,963)	1:174:A:LEU:HA	1:175:A:ILE:HG23	17	0.14
(1,961)	1:171:A:ILE:HD11	1:173:A:GLU:HG3	6	0.14
(1,961)	1:171:A:ILE:HD12	1:173:A:GLU:HG3	6	0.14
(1,961)	1:171:A:ILE:HD13	1:173:A:GLU:HG3	6	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	2	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	2	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	2	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	3	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	3	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	3	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	14	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	14	0.14
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	14	0.14
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	13	0.14
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	13	0.14
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	13	0.14
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	13	0.14
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	13	0.14
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	13	0.14
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD11	20	0.14
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD12	20	0.14
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD13	20	0.14
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	20	0.14
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	20	0.14
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	20	0.14
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	8	0.14
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	8	0.14
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	8	0.14
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD11	9	0.14
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD12	9	0.14
(1,764)	1:59:A:TYR:HE1	1:60:A:ILE:HD13	9	0.14
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD11	9	0.14
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD12	9	0.14
(1,764)	1:59:A:TYR:HE2	1:60:A:ILE:HD13	9	0.14
(1,761)	1:1:A:MET:HE1	1:117:A:PHE:HE1	6	0.14
(1,761)	1:1:A:MET:HE1	1:117:A:PHE:HE2	6	0.14
(1,761)	1:1:A:MET:HE2	1:117:A:PHE:HE1	6	0.14
(1,761)	1:1:A:MET:HE2	1:117:A:PHE:HE2	6	0.14
(1,761)	1:1:A:MET:HE3	1:117:A:PHE:HE1	6	0.14
(1,761)	1:1:A:MET:HE3	1:117:A:PHE:HE2	6	0.14
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	15	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB1	6	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB2	6	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB3	6	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB1	8	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB2	8	0.14
(1,722)	1:6:A:MET:HB3	1:48:A:ALA:HB3	8	0.14
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	20	0.14
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	20	0.14
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	20	0.14
(1,651)	1:20:A:PRO:HA	1:30:A:ILE:H	8	0.14
(1,570)	1:163:A:TYR:HB2	1:164:A:GLN:H	18	0.14
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	2	0.14
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	2	0.14
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	2	0.14
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	4	0.14
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	4	0.14
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	4	0.14
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	15	0.14
(1,525)	1:96:A:LEU:HD21	1:97:A:VAL:H	5	0.14
(1,525)	1:96:A:LEU:HD22	1:97:A:VAL:H	5	0.14
(1,525)	1:96:A:LEU:HD23	1:97:A:VAL:H	5	0.14
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	16	0.14
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	16	0.14
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	16	0.14
(1,442)	1:23:A:LYS:HG3	1:24:A:LEU:H	3	0.14
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	20	0.14
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	7	0.14
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	7	0.14
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	7	0.14
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	3	0.14
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	6	0.14
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	11	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	1	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	1	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	1	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	17	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	17	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	17	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG21	18	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG22	18	0.14
(1,388)	1:180:A:THR:HA	1:180:A:THR:HG23	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	11	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	9	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	9	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	9	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	12	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	12	0.14
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	12	0.14
(1,129)	1:61:A:ASN:H	1:61:A:ASN:HB3	7	0.14
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	4	0.14
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	4	0.14
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	4	0.14
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	2	0.14
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	2	0.14
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	2	0.14
(1,2842)	1:190:A:LEU:HD11	1:191:A:LEU:H	18	0.13
(1,2842)	1:190:A:LEU:HD12	1:191:A:LEU:H	18	0.13
(1,2842)	1:190:A:LEU:HD13	1:191:A:LEU:H	18	0.13
(1,2842)	1:190:A:LEU:HD21	1:191:A:LEU:H	18	0.13
(1,2842)	1:190:A:LEU:HD22	1:191:A:LEU:H	18	0.13
(1,2842)	1:190:A:LEU:HD23	1:191:A:LEU:H	18	0.13
(1,2842)	1:190:A:LEU:HD11	1:191:A:LEU:H	19	0.13
(1,2842)	1:190:A:LEU:HD12	1:191:A:LEU:H	19	0.13
(1,2842)	1:190:A:LEU:HD13	1:191:A:LEU:H	19	0.13
(1,2842)	1:190:A:LEU:HD21	1:191:A:LEU:H	19	0.13
(1,2842)	1:190:A:LEU:HD22	1:191:A:LEU:H	19	0.13
(1,2842)	1:190:A:LEU:HD23	1:191:A:LEU:H	19	0.13
(1,2833)	1:188:A:GLU:HB2	1:189:A:MET:H	15	0.13
(1,2833)	1:188:A:GLU:HB3	1:189:A:MET:H	15	0.13
(1,2795)	1:174:A:LEU:HD11	1:175:A:ILE:H	14	0.13
(1,2795)	1:174:A:LEU:HD12	1:175:A:ILE:H	14	0.13
(1,2795)	1:174:A:LEU:HD13	1:175:A:ILE:H	14	0.13
(1,2795)	1:174:A:LEU:HD21	1:175:A:ILE:H	14	0.13
(1,2795)	1:174:A:LEU:HD22	1:175:A:ILE:H	14	0.13
(1,2795)	1:174:A:LEU:HD23	1:175:A:ILE:H	14	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	8	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	8	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	10	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	10	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	11	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	11	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	16	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	17	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	17	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	19	0.13
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	19	0.13
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	2	0.13
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	2	0.13
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	2	0.13
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	2	0.13
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	2	0.13
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	2	0.13
(1,2706)	1:138:A:LYS:HG2	1:139:A:TYR:H	14	0.13
(1,2706)	1:138:A:LYS:HG3	1:139:A:TYR:H	14	0.13
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG2	11	0.13
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG3	11	0.13
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG2	11	0.13
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG3	11	0.13
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG2	11	0.13
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG3	11	0.13
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG2	11	0.13
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG3	11	0.13
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG2	11	0.13
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG3	11	0.13
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG2	11	0.13
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG3	11	0.13
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	2	0.13
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	2	0.13
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	2	0.13
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	2	0.13
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	2	0.13
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	2	0.13
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	2	0.13
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	2	0.13
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	2	0.13
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	2	0.13
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	2	0.13
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	2	0.13
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	4	0.13
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	4	0.13
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	17	0.13
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	17	0.13
(1,2581)	1:118:A:TYR:HA	1:121:A:LYS:HB2	17	0.13
(1,2581)	1:118:A:TYR:HA	1:121:A:LYS:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	5	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	5	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	5	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	5	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	5	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	5	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD11	13	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD12	13	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD13	13	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD21	13	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD22	13	0.13
(1,2569)	1:117:A:PHE:H	1:130:A:LEU:HD23	13	0.13
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB2	10	0.13
(1,2558)	1:114:A:VAL:H	1:115:A:ASP:HB3	10	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD11	16	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD12	16	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD13	16	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD21	16	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD22	16	0.13
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD23	16	0.13
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	3	0.13
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	3	0.13
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	3	0.13
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	3	0.13
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	3	0.13
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	3	0.13
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	4	0.13
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	4	0.13
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	4	0.13
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	4	0.13
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	4	0.13
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	4	0.13
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	14	0.13
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	14	0.13
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	14	0.13
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	14	0.13
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	14	0.13
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	14	0.13
(1,2504)	1:96:A:LEU:HD11	1:154:A:ILE:HA	13	0.13
(1,2504)	1:96:A:LEU:HD12	1:154:A:ILE:HA	13	0.13
(1,2504)	1:96:A:LEU:HD13	1:154:A:ILE:HA	13	0.13
(1,2504)	1:96:A:LEU:HD21	1:154:A:ILE:HA	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2504)	1:96:A:LEU:HD22	1:154:A:ILE:HA	13	0.13
(1,2504)	1:96:A:LEU:HD23	1:154:A:ILE:HA	13	0.13
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	3	0.13
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	3	0.13
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	8	0.13
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	8	0.13
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	10	0.13
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	10	0.13
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	11	0.13
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	11	0.13
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	3	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	3	0.13
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	7	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	7	0.13
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	10	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	10	0.13
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	14	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	14	0.13
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	18	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	18	0.13
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	19	0.13
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	19	0.13
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	3	0.13
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	3	0.13
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	13	0.13
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	13	0.13
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	13	0.13
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	13	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG11	11	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG12	11	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG13	11	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG21	11	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG22	11	0.13
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG23	11	0.13
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	17	0.13
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	17	0.13
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	17	0.13
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	17	0.13
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	17	0.13
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	17	0.13
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	19	0.13
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	19	0.13
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	19	0.13
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	19	0.13
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	19	0.13
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	20	0.13
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	20	0.13
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	20	0.13
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	20	0.13
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	20	0.13
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	20	0.13
(1,2194)	1:33:A:VAL:HB	1:34:A:VAL:HG11	1	0.13
(1,2194)	1:33:A:VAL:HB	1:34:A:VAL:HG12	1	0.13
(1,2194)	1:33:A:VAL:HB	1:34:A:VAL:HG13	1	0.13
(1,2194)	1:33:A:VAL:HB	1:34:A:VAL:HG21	1	0.13
(1,2194)	1:33:A:VAL:HB	1:34:A:VAL:HG22	1	0.13
(1,2194)	1:33:A:VAL:HB	1:34:A:VAL:HG23	1	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	5	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	5	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	5	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	5	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	5	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	5	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG11	15	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG12	15	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG13	15	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG21	15	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG22	15	0.13
(1,2193)	1:33:A:VAL:H	1:34:A:VAL:HG23	15	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	1	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	1	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	3	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	3	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	6	0.13
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	6	0.13
(1,2147)	1:24:A:LEU:HD11	1:184:A:LEU:HA	7	0.13
(1,2147)	1:24:A:LEU:HD12	1:184:A:LEU:HA	7	0.13
(1,2147)	1:24:A:LEU:HD13	1:184:A:LEU:HA	7	0.13
(1,2147)	1:24:A:LEU:HD21	1:184:A:LEU:HA	7	0.13
(1,2147)	1:24:A:LEU:HD22	1:184:A:LEU:HA	7	0.13
(1,2147)	1:24:A:LEU:HD23	1:184:A:LEU:HA	7	0.13
(1,2130)	1:21:A:LEU:HD11	1:59:A:TYR:HA	6	0.13
(1,2130)	1:21:A:LEU:HD12	1:59:A:TYR:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:21:A:LEU:HD13	1:59:A:TYR:HA	6	0.13
(1,2130)	1:21:A:LEU:HD21	1:59:A:TYR:HA	6	0.13
(1,2130)	1:21:A:LEU:HD22	1:59:A:TYR:HA	6	0.13
(1,2130)	1:21:A:LEU:HD23	1:59:A:TYR:HA	6	0.13
(1,2130)	1:21:A:LEU:HD11	1:59:A:TYR:HA	10	0.13
(1,2130)	1:21:A:LEU:HD12	1:59:A:TYR:HA	10	0.13
(1,2130)	1:21:A:LEU:HD13	1:59:A:TYR:HA	10	0.13
(1,2130)	1:21:A:LEU:HD21	1:59:A:TYR:HA	10	0.13
(1,2130)	1:21:A:LEU:HD22	1:59:A:TYR:HA	10	0.13
(1,2130)	1:21:A:LEU:HD23	1:59:A:TYR:HA	10	0.13
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	17	0.13
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	17	0.13
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	17	0.13
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	17	0.13
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	17	0.13
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	17	0.13
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	17	0.13
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	17	0.13
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	17	0.13
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	17	0.13
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	17	0.13
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	17	0.13
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	17	0.13
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	17	0.13
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	17	0.13
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	17	0.13
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	17	0.13
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	17	0.13
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	12	0.13
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	12	0.13
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	12	0.13
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	12	0.13
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	12	0.13
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	12	0.13
(1,2072)	1:4:A:LEU:HD11	1:84:A:LEU:HA	5	0.13
(1,2072)	1:4:A:LEU:HD12	1:84:A:LEU:HA	5	0.13
(1,2072)	1:4:A:LEU:HD13	1:84:A:LEU:HA	5	0.13
(1,2072)	1:4:A:LEU:HD21	1:84:A:LEU:HA	5	0.13
(1,2072)	1:4:A:LEU:HD22	1:84:A:LEU:HA	5	0.13
(1,2072)	1:4:A:LEU:HD23	1:84:A:LEU:HA	5	0.13
(1,2072)	1:4:A:LEU:HD11	1:84:A:LEU:HA	18	0.13
(1,2072)	1:4:A:LEU:HD12	1:84:A:LEU:HA	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:4:A:LEU:HD13	1:84:A:LEU:HA	18	0.13
(1,2072)	1:4:A:LEU:HD21	1:84:A:LEU:HA	18	0.13
(1,2072)	1:4:A:LEU:HD22	1:84:A:LEU:HA	18	0.13
(1,2072)	1:4:A:LEU:HD23	1:84:A:LEU:HA	18	0.13
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	10	0.13
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	10	0.13
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	10	0.13
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	10	0.13
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	10	0.13
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	10	0.13
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	12	0.13
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	12	0.13
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	12	0.13
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	12	0.13
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	12	0.13
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	12	0.13
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	16	0.13
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	16	0.13
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	16	0.13
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	16	0.13
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	16	0.13
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	16	0.13
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	9	0.13
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	19	0.13
(1,1937)	1:181:A:LYS:HA	1:183:A:ASP:H	10	0.13
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD11	12	0.13
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD12	12	0.13
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD13	12	0.13
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	14	0.13
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	4	0.13
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	4	0.13
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	4	0.13
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	12	0.13
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	12	0.13
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	12	0.13
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	13	0.13
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	13	0.13
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	13	0.13
(1,1815)	1:63:A:ALA:H	1:65:A:LYS:H	17	0.13
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	11	0.13
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	14	0.13
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	12	0.13
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	15	0.13
(1,1641)	1:149:A:LEU:H	1:149:A:LEU:HG	8	0.13
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	6	0.13
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	6	0.13
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	4	0.13
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	10	0.13
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	12	0.13
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	15	0.13
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	4	0.13
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	15	0.13
(1,1496)	1:27:A:ARG:H	1:27:A:ARG:HB2	10	0.13
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	8	0.13
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	8	0.13
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	8	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	3	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	5	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	10	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	13	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	14	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	15	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	16	0.13
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	17	0.13
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	3	0.13
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	7	0.13
(1,1411)	1:149:A:LEU:HG	1:150:A:VAL:H	9	0.13
(1,1406)	1:138:A:LYS:HB3	1:139:A:TYR:H	11	0.13
(1,1341)	1:96:A:LEU:HG	1:97:A:VAL:H	11	0.13
(1,1331)	1:90:A:TYR:HD1	1:91:A:PHE:H	15	0.13
(1,1331)	1:90:A:TYR:HD2	1:91:A:PHE:H	15	0.13
(1,1321)	1:85:A:ASN:HD21	1:86:A:GLU:H	2	0.13
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	9	0.13
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	9	0.13
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	9	0.13
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	11	0.13
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	11	0.13
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	11	0.13
(1,1210)	1:6:A:MET:HG3	1:7:A:ALA:H	9	0.13
(1,1210)	1:6:A:MET:HG3	1:7:A:ALA:H	14	0.13
(1,1210)	1:6:A:MET:HG3	1:7:A:ALA:H	17	0.13
(1,1163)	1:53:A:THR:HG21	1:56:A:THR:HG1	12	0.13
(1,1163)	1:53:A:THR:HG22	1:56:A:THR:HG1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:53:A:THR:HG23	1:56:A:THR:HG1	12	0.13
(1,1157)	1:1:A:MET:HE1	1:156:A:VAL:HA	17	0.13
(1,1157)	1:1:A:MET:HE2	1:156:A:VAL:HA	17	0.13
(1,1157)	1:1:A:MET:HE3	1:156:A:VAL:HA	17	0.13
(1,1156)	1:103:A:ILE:HG21	1:187:A:ALA:HB1	9	0.13
(1,1156)	1:103:A:ILE:HG21	1:187:A:ALA:HB2	9	0.13
(1,1156)	1:103:A:ILE:HG21	1:187:A:ALA:HB3	9	0.13
(1,1156)	1:103:A:ILE:HG22	1:187:A:ALA:HB1	9	0.13
(1,1156)	1:103:A:ILE:HG22	1:187:A:ALA:HB2	9	0.13
(1,1156)	1:103:A:ILE:HG22	1:187:A:ALA:HB3	9	0.13
(1,1156)	1:103:A:ILE:HG23	1:187:A:ALA:HB1	9	0.13
(1,1156)	1:103:A:ILE:HG23	1:187:A:ALA:HB2	9	0.13
(1,1156)	1:103:A:ILE:HG23	1:187:A:ALA:HB3	9	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	6	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	6	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	6	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	7	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	7	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	7	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	19	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	19	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	19	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	20	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	20	0.13
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	20	0.13
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG21	5	0.13
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG22	5	0.13
(1,1120)	1:6:A:MET:HE1	1:75:A:THR:HG23	5	0.13
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG21	5	0.13
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG22	5	0.13
(1,1120)	1:6:A:MET:HE2	1:75:A:THR:HG23	5	0.13
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG21	5	0.13
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG22	5	0.13
(1,1120)	1:6:A:MET:HE3	1:75:A:THR:HG23	5	0.13
(1,1109)	1:129:A:ALA:HB1	1:166:A:GLU:HG2	9	0.13
(1,1109)	1:129:A:ALA:HB2	1:166:A:GLU:HG2	9	0.13
(1,1109)	1:129:A:ALA:HB3	1:166:A:GLU:HG2	9	0.13
(1,1109)	1:129:A:ALA:HB1	1:166:A:GLU:HG2	17	0.13
(1,1109)	1:129:A:ALA:HB2	1:166:A:GLU:HG2	17	0.13
(1,1109)	1:129:A:ALA:HB3	1:166:A:GLU:HG2	17	0.13
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	12	0.13
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	12	0.13
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	12	0.13
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	12	0.13
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	12	0.13
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	12	0.13
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	12	0.13
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	12	0.13
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	19	0.13
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	19	0.13
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	19	0.13
(1,1013)	1:111:A:ASN:HA	1:114:A:VAL:HG11	7	0.13
(1,1013)	1:111:A:ASN:HA	1:114:A:VAL:HG12	7	0.13
(1,1013)	1:111:A:ASN:HA	1:114:A:VAL:HG13	7	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	2	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	2	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	2	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	5	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	5	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	5	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	6	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	6	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	6	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	10	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	10	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	10	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE1	12	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE2	12	0.13
(1,979)	1:189:A:MET:H	1:189:A:MET:HE3	12	0.13
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	19	0.13
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	19	0.13
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	19	0.13
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG21	18	0.13
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG22	18	0.13
(1,964)	1:178:A:ILE:HG21	1:180:A:THR:HG23	18	0.13
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG21	18	0.13
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG22	18	0.13
(1,964)	1:178:A:ILE:HG22	1:180:A:THR:HG23	18	0.13
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG21	18	0.13
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG22	18	0.13
(1,964)	1:178:A:ILE:HG23	1:180:A:THR:HG23	18	0.13
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	11	0.13
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	11	0.13
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	8	0.13
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	8	0.13
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	8	0.13
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	8	0.13
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	8	0.13
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	8	0.13
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD1	10	0.13
(1,918)	1:134:A:ILE:HG21	1:139:A:TYR:HD2	10	0.13
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD1	10	0.13
(1,918)	1:134:A:ILE:HG22	1:139:A:TYR:HD2	10	0.13
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD1	10	0.13
(1,918)	1:134:A:ILE:HG23	1:139:A:TYR:HD2	10	0.13
(1,899)	1:131:A:ALA:HB1	1:133:A:MET:HG2	14	0.13
(1,899)	1:131:A:ALA:HB2	1:133:A:MET:HG2	14	0.13
(1,899)	1:131:A:ALA:HB3	1:133:A:MET:HG2	14	0.13
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD11	12	0.13
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD12	12	0.13
(1,865)	1:117:A:PHE:HB3	1:130:A:LEU:HD13	12	0.13
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	16	0.13
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	16	0.13
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	16	0.13
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD21	7	0.13
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD22	7	0.13
(1,825)	1:101:A:ASP:H	1:102:A:LEU:HD23	7	0.13
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	2	0.13
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	2	0.13
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	2	0.13
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	2	0.13
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	2	0.13
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	2	0.13
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	6	0.13
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	6	0.13
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	6	0.13
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	6	0.13
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	6	0.13
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	6	0.13
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG21	9	0.13
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG22	9	0.13
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG23	9	0.13
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG21	9	0.13
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG23	9	0.13
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG21	9	0.13
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG22	9	0.13
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG23	9	0.13
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	10	0.13
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	10	0.13
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	10	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD11	14	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD12	14	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD13	14	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD11	18	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD12	18	0.13
(1,775)	1:64:A:TYR:HB2	1:70:A:ILE:HD13	18	0.13
(1,761)	1:1:A:MET:HE1	1:117:A:PHE:HE1	17	0.13
(1,761)	1:1:A:MET:HE1	1:117:A:PHE:HE2	17	0.13
(1,761)	1:1:A:MET:HE2	1:117:A:PHE:HE1	17	0.13
(1,761)	1:1:A:MET:HE2	1:117:A:PHE:HE2	17	0.13
(1,761)	1:1:A:MET:HE3	1:117:A:PHE:HE1	17	0.13
(1,761)	1:1:A:MET:HE3	1:117:A:PHE:HE2	17	0.13
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG21	14	0.13
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG22	14	0.13
(1,672)	1:30:A:ILE:HG21	1:60:A:ILE:HG23	14	0.13
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG21	14	0.13
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG22	14	0.13
(1,672)	1:30:A:ILE:HG22	1:60:A:ILE:HG23	14	0.13
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG21	14	0.13
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG22	14	0.13
(1,672)	1:30:A:ILE:HG23	1:60:A:ILE:HG23	14	0.13
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	8	0.13
(1,614)	1:1:A:MET:HE1	1:114:A:VAL:HA	15	0.13
(1,614)	1:1:A:MET:HE2	1:114:A:VAL:HA	15	0.13
(1,614)	1:1:A:MET:HE3	1:114:A:VAL:HA	15	0.13
(1,614)	1:1:A:MET:HE1	1:114:A:VAL:HA	16	0.13
(1,614)	1:1:A:MET:HE2	1:114:A:VAL:HA	16	0.13
(1,614)	1:1:A:MET:HE3	1:114:A:VAL:HA	16	0.13
(1,567)	1:156:A:VAL:HG21	1:157:A:VAL:H	12	0.13
(1,567)	1:156:A:VAL:HG22	1:157:A:VAL:H	12	0.13
(1,567)	1:156:A:VAL:HG23	1:157:A:VAL:H	12	0.13
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	9	0.13
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	20	0.13
(1,525)	1:96:A:LEU:HD21	1:97:A:VAL:H	1	0.13
(1,525)	1:96:A:LEU:HD22	1:97:A:VAL:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:96:A:LEU:HD23	1:97:A:VAL:H	1	0.13
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	9	0.13
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	9	0.13
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	9	0.13
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	17	0.13
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	17	0.13
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	17	0.13
(1,442)	1:23:A:LYS:HG3	1:24:A:LEU:H	16	0.13
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	5	0.13
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	5	0.13
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	5	0.13
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	10	0.13
(1,430)	1:2:A:ASP:HB2	1:3:A:ALA:H	14	0.13
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	4	0.13
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	4	0.13
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	4	0.13
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	13	0.13
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	13	0.13
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	13	0.13
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	8	0.13
(1,371)	1:174:A:LEU:HA	1:174:A:LEU:HG	10	0.13
(1,278)	1:121:A:LYS:H	1:121:A:LYS:HB2	4	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	5	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	5	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	5	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	7	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	7	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	7	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	11	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	11	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	11	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	19	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	19	0.13
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	19	0.13
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	7	0.13
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	7	0.13
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	7	0.13
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD11	20	0.13
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD12	20	0.13
(1,179)	1:81:A:ILE:HA	1:81:A:ILE:HD13	20	0.13
(1,129)	1:61:A:ASN:H	1:61:A:ASN:HB3	6	0.13
(1,110)	1:53:A:THR:H	1:53:A:THR:HG21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:53:A:THR:H	1:53:A:THR:HG22	8	0.13
(1,110)	1:53:A:THR:H	1:53:A:THR:HG23	8	0.13
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	2	0.13
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	2	0.13
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	2	0.13
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	14	0.13
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	14	0.13
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	14	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	1	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	1	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	1	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	3	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	3	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	3	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	6	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	6	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	6	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	17	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	17	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	17	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	0.13
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	0.13
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	17	0.13
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	17	0.13
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	17	0.13
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	20	0.12
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	20	0.12
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE2	10	0.12
(1,2809)	1:181:A:LYS:H	1:181:A:LYS:HE3	10	0.12
(1,2763)	1:164:A:GLN:HG2	1:165:A:LYS:H	3	0.12
(1,2763)	1:164:A:GLN:HG3	1:165:A:LYS:H	3	0.12
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	2	0.12
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	2	0.12
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	12	0.12
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	12	0.12
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG2	15	0.12
(1,2759)	1:164:A:GLN:HA	1:164:A:GLN:HG3	15	0.12
(1,2751)	1:160:A:LYS:H	1:160:A:LYS:HD2	19	0.12
(1,2751)	1:160:A:LYS:H	1:160:A:LYS:HD3	19	0.12
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE21	1	0.12
(1,2745)	1:157:A:VAL:HG11	1:164:A:GLN:HE22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE21	1	0.12
(1,2745)	1:157:A:VAL:HG12	1:164:A:GLN:HE22	1	0.12
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE21	1	0.12
(1,2745)	1:157:A:VAL:HG13	1:164:A:GLN:HE22	1	0.12
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE21	1	0.12
(1,2745)	1:157:A:VAL:HG21	1:164:A:GLN:HE22	1	0.12
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE21	1	0.12
(1,2745)	1:157:A:VAL:HG22	1:164:A:GLN:HE22	1	0.12
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE21	1	0.12
(1,2745)	1:157:A:VAL:HG23	1:164:A:GLN:HE22	1	0.12
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	3	0.12
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	3	0.12
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	3	0.12
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	3	0.12
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	3	0.12
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	3	0.12
(1,2708)	1:139:A:TYR:H	1:150:A:VAL:HG11	1	0.12
(1,2708)	1:139:A:TYR:H	1:150:A:VAL:HG12	1	0.12
(1,2708)	1:139:A:TYR:H	1:150:A:VAL:HG13	1	0.12
(1,2708)	1:139:A:TYR:H	1:150:A:VAL:HG21	1	0.12
(1,2708)	1:139:A:TYR:H	1:150:A:VAL:HG22	1	0.12
(1,2708)	1:139:A:TYR:H	1:150:A:VAL:HG23	1	0.12
(1,2697)	1:135:A:PRO:HD2	1:171:A:ILE:H	5	0.12
(1,2697)	1:135:A:PRO:HD3	1:171:A:ILE:H	5	0.12
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	14	0.12
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	14	0.12
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	14	0.12
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	14	0.12
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	14	0.12
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	14	0.12
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	14	0.12
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	14	0.12
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	14	0.12
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	14	0.12
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	14	0.12
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	14	0.12
(1,2643)	1:130:A:LEU:HD11	1:156:A:VAL:HG11	8	0.12
(1,2643)	1:130:A:LEU:HD11	1:156:A:VAL:HG12	8	0.12
(1,2643)	1:130:A:LEU:HD11	1:156:A:VAL:HG13	8	0.12
(1,2643)	1:130:A:LEU:HD11	1:156:A:VAL:HG21	8	0.12
(1,2643)	1:130:A:LEU:HD11	1:156:A:VAL:HG22	8	0.12
(1,2643)	1:130:A:LEU:HD11	1:156:A:VAL:HG23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2643)	1:130:A:LEU:HD12	1:156:A:VAL:HG11	8	0.12
(1,2643)	1:130:A:LEU:HD12	1:156:A:VAL:HG12	8	0.12
(1,2643)	1:130:A:LEU:HD12	1:156:A:VAL:HG13	8	0.12
(1,2643)	1:130:A:LEU:HD12	1:156:A:VAL:HG21	8	0.12
(1,2643)	1:130:A:LEU:HD12	1:156:A:VAL:HG22	8	0.12
(1,2643)	1:130:A:LEU:HD12	1:156:A:VAL:HG23	8	0.12
(1,2643)	1:130:A:LEU:HD13	1:156:A:VAL:HG11	8	0.12
(1,2643)	1:130:A:LEU:HD13	1:156:A:VAL:HG12	8	0.12
(1,2643)	1:130:A:LEU:HD13	1:156:A:VAL:HG13	8	0.12
(1,2643)	1:130:A:LEU:HD13	1:156:A:VAL:HG21	8	0.12
(1,2643)	1:130:A:LEU:HD13	1:156:A:VAL:HG22	8	0.12
(1,2643)	1:130:A:LEU:HD13	1:156:A:VAL:HG23	8	0.12
(1,2643)	1:130:A:LEU:HD21	1:156:A:VAL:HG11	8	0.12
(1,2643)	1:130:A:LEU:HD21	1:156:A:VAL:HG12	8	0.12
(1,2643)	1:130:A:LEU:HD21	1:156:A:VAL:HG13	8	0.12
(1,2643)	1:130:A:LEU:HD21	1:156:A:VAL:HG21	8	0.12
(1,2643)	1:130:A:LEU:HD21	1:156:A:VAL:HG22	8	0.12
(1,2643)	1:130:A:LEU:HD21	1:156:A:VAL:HG23	8	0.12
(1,2643)	1:130:A:LEU:HD22	1:156:A:VAL:HG11	8	0.12
(1,2643)	1:130:A:LEU:HD22	1:156:A:VAL:HG12	8	0.12
(1,2643)	1:130:A:LEU:HD22	1:156:A:VAL:HG13	8	0.12
(1,2643)	1:130:A:LEU:HD22	1:156:A:VAL:HG21	8	0.12
(1,2643)	1:130:A:LEU:HD22	1:156:A:VAL:HG22	8	0.12
(1,2643)	1:130:A:LEU:HD22	1:156:A:VAL:HG23	8	0.12
(1,2643)	1:130:A:LEU:HD23	1:156:A:VAL:HG11	8	0.12
(1,2643)	1:130:A:LEU:HD23	1:156:A:VAL:HG12	8	0.12
(1,2643)	1:130:A:LEU:HD23	1:156:A:VAL:HG13	8	0.12
(1,2643)	1:130:A:LEU:HD23	1:156:A:VAL:HG21	8	0.12
(1,2643)	1:130:A:LEU:HD23	1:156:A:VAL:HG22	8	0.12
(1,2643)	1:130:A:LEU:HD23	1:156:A:VAL:HG23	8	0.12
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	20	0.12
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	20	0.12
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	12	0.12
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	12	0.12
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	12	0.12
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	12	0.12
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	12	0.12
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	12	0.12
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	12	0.12
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	12	0.12
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	12	0.12
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	12	0.12
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	12	0.12
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	12	0.12
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	12	0.12
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	12	0.12
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	12	0.12
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	12	0.12
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	12	0.12
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	18	0.12
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	18	0.12
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	18	0.12
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	18	0.12
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	18	0.12
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	18	0.12
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	18	0.12
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	18	0.12
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	18	0.12
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	18	0.12
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	18	0.12
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	18	0.12
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	18	0.12
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	18	0.12
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	18	0.12
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	18	0.12
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	18	0.12
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	18	0.12
(1,2605)	1:121:A:LYS:HE2	1:125:A:PRO:HA	16	0.12
(1,2605)	1:121:A:LYS:HE3	1:125:A:PRO:HA	16	0.12
(1,2537)	1:108:A:LYS:HD2	1:109:A:ILE:H	15	0.12
(1,2537)	1:108:A:LYS:HD3	1:109:A:ILE:H	15	0.12
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	10	0.12
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	10	0.12
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	10	0.12
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	10	0.12
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	10	0.12
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	10	0.12
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	18	0.12
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	18	0.12
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	18	0.12
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	18	0.12
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	18	0.12
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2504)	1:96:A:LEU:HD11	1:154:A:ILE:HA	11	0.12
(1,2504)	1:96:A:LEU:HD12	1:154:A:ILE:HA	11	0.12
(1,2504)	1:96:A:LEU:HD13	1:154:A:ILE:HA	11	0.12
(1,2504)	1:96:A:LEU:HD21	1:154:A:ILE:HA	11	0.12
(1,2504)	1:96:A:LEU:HD22	1:154:A:ILE:HA	11	0.12
(1,2504)	1:96:A:LEU:HD23	1:154:A:ILE:HA	11	0.12
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	20	0.12
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	20	0.12
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	20	0.12
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	20	0.12
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	20	0.12
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	20	0.12
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	7	0.12
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	7	0.12
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	9	0.12
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	9	0.12
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	16	0.12
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	16	0.12
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	2	0.12
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	2	0.12
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	4	0.12
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	4	0.12
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	5	0.12
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	5	0.12
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	8	0.12
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	8	0.12
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG11	9	0.12
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG12	9	0.12
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG13	9	0.12
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG21	9	0.12
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG22	9	0.12
(1,2347)	1:57:A:LYS:HD2	1:72:A:VAL:HG23	9	0.12
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG11	9	0.12
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG12	9	0.12
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG13	9	0.12
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG21	9	0.12
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG22	9	0.12
(1,2347)	1:57:A:LYS:HD3	1:72:A:VAL:HG23	9	0.12
(1,2325)	1:54:A:PRO:HD2	1:55:A:LYS:H	5	0.12
(1,2325)	1:54:A:PRO:HD3	1:55:A:LYS:H	5	0.12
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	8	0.12
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	8	0.12
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	8	0.12
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	10	0.12
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	10	0.12
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	10	0.12
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	10	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB2	10	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB3	10	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB2	10	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB3	10	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB2	10	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB3	10	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB2	10	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB3	10	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB2	10	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB3	10	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB2	10	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB3	10	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB2	17	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB3	17	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB2	17	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB3	17	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB2	17	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB3	17	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB2	17	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB3	17	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB2	17	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB3	17	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB2	17	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB3	17	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB2	20	0.12
(1,2242)	1:38:A:LEU:HD11	1:69:A:ASN:HB3	20	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB2	20	0.12
(1,2242)	1:38:A:LEU:HD12	1:69:A:ASN:HB3	20	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB2	20	0.12
(1,2242)	1:38:A:LEU:HD13	1:69:A:ASN:HB3	20	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB2	20	0.12
(1,2242)	1:38:A:LEU:HD21	1:69:A:ASN:HB3	20	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB2	20	0.12
(1,2242)	1:38:A:LEU:HD22	1:69:A:ASN:HB3	20	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB2	20	0.12
(1,2242)	1:38:A:LEU:HD23	1:69:A:ASN:HB3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	2	0.12
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	2	0.12
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	2	0.12
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	2	0.12
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	2	0.12
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	2	0.12
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	3	0.12
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	3	0.12
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	3	0.12
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	3	0.12
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	3	0.12
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	3	0.12
(1,2233)	1:37:A:LEU:HD11	1:45:A:ILE:HA	4	0.12
(1,2233)	1:37:A:LEU:HD12	1:45:A:ILE:HA	4	0.12
(1,2233)	1:37:A:LEU:HD13	1:45:A:ILE:HA	4	0.12
(1,2233)	1:37:A:LEU:HD21	1:45:A:ILE:HA	4	0.12
(1,2233)	1:37:A:LEU:HD22	1:45:A:ILE:HA	4	0.12
(1,2233)	1:37:A:LEU:HD23	1:45:A:ILE:HA	4	0.12
(1,2147)	1:24:A:LEU:HD11	1:184:A:LEU:HA	18	0.12
(1,2147)	1:24:A:LEU:HD12	1:184:A:LEU:HA	18	0.12
(1,2147)	1:24:A:LEU:HD13	1:184:A:LEU:HA	18	0.12
(1,2147)	1:24:A:LEU:HD21	1:184:A:LEU:HA	18	0.12
(1,2147)	1:24:A:LEU:HD22	1:184:A:LEU:HA	18	0.12
(1,2147)	1:24:A:LEU:HD23	1:184:A:LEU:HA	18	0.12
(1,2147)	1:24:A:LEU:HD11	1:184:A:LEU:HA	20	0.12
(1,2147)	1:24:A:LEU:HD12	1:184:A:LEU:HA	20	0.12
(1,2147)	1:24:A:LEU:HD13	1:184:A:LEU:HA	20	0.12
(1,2147)	1:24:A:LEU:HD21	1:184:A:LEU:HA	20	0.12
(1,2147)	1:24:A:LEU:HD22	1:184:A:LEU:HA	20	0.12
(1,2147)	1:24:A:LEU:HD23	1:184:A:LEU:HA	20	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	11	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	11	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	11	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	11	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	11	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	11	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	11	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	11	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	11	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	11	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	11	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	11	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	11	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	11	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	11	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	11	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	11	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG11	13	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG12	13	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG13	13	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG21	13	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG22	13	0.12
(1,2103)	1:6:A:MET:HE1	1:97:A:VAL:HG23	13	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG11	13	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG12	13	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG13	13	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG21	13	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG22	13	0.12
(1,2103)	1:6:A:MET:HE2	1:97:A:VAL:HG23	13	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG11	13	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG12	13	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG13	13	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG21	13	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG22	13	0.12
(1,2103)	1:6:A:MET:HE3	1:97:A:VAL:HG23	13	0.12
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	17	0.12
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	17	0.12
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	17	0.12
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	17	0.12
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	17	0.12
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	17	0.12
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	17	0.12
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	17	0.12
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	17	0.12
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	17	0.12
(1,2073)	1:4:A:LEU:HD11	1:87:A:CYS:HA	16	0.12
(1,2073)	1:4:A:LEU:HD12	1:87:A:CYS:HA	16	0.12
(1,2073)	1:4:A:LEU:HD13	1:87:A:CYS:HA	16	0.12
(1,2073)	1:4:A:LEU:HD21	1:87:A:CYS:HA	16	0.12
(1,2073)	1:4:A:LEU:HD22	1:87:A:CYS:HA	16	0.12
(1,2073)	1:4:A:LEU:HD23	1:87:A:CYS:HA	16	0.12
(1,2073)	1:4:A:LEU:HD11	1:87:A:CYS:HA	18	0.12
(1,2073)	1:4:A:LEU:HD12	1:87:A:CYS:HA	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2073)	1:4:A:LEU:HD13	1:87:A:CYS:HA	18	0.12
(1,2073)	1:4:A:LEU:HD21	1:87:A:CYS:HA	18	0.12
(1,2073)	1:4:A:LEU:HD22	1:87:A:CYS:HA	18	0.12
(1,2073)	1:4:A:LEU:HD23	1:87:A:CYS:HA	18	0.12
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	3	0.12
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	3	0.12
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	3	0.12
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	3	0.12
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	3	0.12
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	3	0.12
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	7	0.12
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	7	0.12
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	7	0.12
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	7	0.12
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	7	0.12
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	7	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	3	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	3	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	3	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	3	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	3	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	3	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	3	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	3	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	3	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	3	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	3	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	3	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	3	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	3	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	3	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	3	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	3	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	3	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	9	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	9	0.12
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	9	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	9	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	9	0.12
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	9	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	9	0.12
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	9	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	9	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	9	0.12
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	9	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	9	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	9	0.12
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	9	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	9	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	9	0.12
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	9	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG11	3	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG12	3	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG13	3	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG21	3	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG22	3	0.12
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG23	3	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG11	15	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG12	15	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG13	15	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG21	15	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG22	15	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG23	15	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG11	15	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG12	15	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG13	15	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG21	15	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG22	15	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG23	15	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG11	15	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG12	15	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG13	15	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG21	15	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG22	15	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG23	15	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG11	16	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG12	16	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG13	16	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG21	16	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG22	16	0.12
(1,2033)	1:1:A:MET:HE1	1:114:A:VAL:HG23	16	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG11	16	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG12	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG13	16	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG21	16	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG22	16	0.12
(1,2033)	1:1:A:MET:HE2	1:114:A:VAL:HG23	16	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG11	16	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG12	16	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG13	16	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG21	16	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG22	16	0.12
(1,2033)	1:1:A:MET:HE3	1:114:A:VAL:HG23	16	0.12
(1,2020)	1:1:A:MET:HB2	1:96:A:LEU:H	1	0.12
(1,2020)	1:1:A:MET:HB3	1:96:A:LEU:H	1	0.12
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	1	0.12
(1,1991)	1:91:A:PHE:H	1:93:A:GLU:H	7	0.12
(1,1977)	1:134:A:ILE:HG21	1:173:A:GLU:H	4	0.12
(1,1977)	1:134:A:ILE:HG22	1:173:A:GLU:H	4	0.12
(1,1977)	1:134:A:ILE:HG23	1:173:A:GLU:H	4	0.12
(1,1975)	1:120:A:ILE:HD11	1:167:A:GLU:H	17	0.12
(1,1975)	1:120:A:ILE:HD12	1:167:A:GLU:H	17	0.12
(1,1975)	1:120:A:ILE:HD13	1:167:A:GLU:H	17	0.12
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	2	0.12
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	3	0.12
(1,1948)	1:44:A:ASN:HA	1:69:A:ASN:HD22	13	0.12
(1,1939)	1:178:A:ILE:HD11	1:187:A:ALA:H	15	0.12
(1,1939)	1:178:A:ILE:HD12	1:187:A:ALA:H	15	0.12
(1,1939)	1:178:A:ILE:HD13	1:187:A:ALA:H	15	0.12
(1,1918)	1:136:A:LYS:H	1:149:A:LEU:HA	19	0.12
(1,1889)	1:120:A:ILE:H	1:122:A:ALA:H	15	0.12
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD11	2	0.12
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD12	2	0.12
(1,1870)	1:101:A:ASP:H	1:102:A:LEU:HD13	2	0.12
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	18	0.12
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	19	0.12
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	19	0.12
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	19	0.12
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	3	0.12
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	7	0.12
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	11	0.12
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	13	0.12
(1,1815)	1:63:A:ALA:H	1:65:A:LYS:H	8	0.12
(1,1815)	1:63:A:ALA:H	1:65:A:LYS:H	20	0.12
(1,1803)	1:58:A:GLU:HA	1:61:A:ASN:H	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:53:A:THR:HA	1:55:A:LYS:H	11	0.12
(1,1778)	1:40:A:SER:H	1:42:A:VAL:H	19	0.12
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	7	0.12
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	10	0.12
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	13	0.12
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	19	0.12
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	10	0.12
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	18	0.12
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD1	1	0.12
(1,1638)	1:139:A:TYR:H	1:139:A:TYR:HD2	1	0.12
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	3	0.12
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	7	0.12
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	19	0.12
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	1	0.12
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	12	0.12
(1,1591)	1:102:A:LEU:H	1:102:A:LEU:HG	18	0.12
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	3	0.12
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	6	0.12
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	18	0.12
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	20	0.12
(1,1496)	1:27:A:ARG:H	1:27:A:ARG:HB2	16	0.12
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD21	16	0.12
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD22	16	0.12
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD23	16	0.12
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	20	0.12
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	20	0.12
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	20	0.12
(1,1480)	1:194:A:ASP:HA	1:195:A:GLY:H	18	0.12
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	17	0.12
(1,1387)	1:127:A:VAL:HG21	1:128:A:GLU:H	12	0.12
(1,1387)	1:127:A:VAL:HG22	1:128:A:GLU:H	12	0.12
(1,1387)	1:127:A:VAL:HG23	1:128:A:GLU:H	12	0.12
(1,1387)	1:127:A:VAL:HG21	1:128:A:GLU:H	20	0.12
(1,1387)	1:127:A:VAL:HG22	1:128:A:GLU:H	20	0.12
(1,1387)	1:127:A:VAL:HG23	1:128:A:GLU:H	20	0.12
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	3	0.12
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	3	0.12
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	3	0.12
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	19	0.12
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	19	0.12
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	19	0.12
(1,1321)	1:85:A:ASN:HD21	1:86:A:GLU:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	3	0.12
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	3	0.12
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	3	0.12
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	11	0.12
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	11	0.12
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	11	0.12
(1,1301)	1:73:A:ILE:HD11	1:74:A:ASP:H	17	0.12
(1,1301)	1:73:A:ILE:HD12	1:74:A:ASP:H	17	0.12
(1,1301)	1:73:A:ILE:HD13	1:74:A:ASP:H	17	0.12
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	16	0.12
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	14	0.12
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	14	0.12
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	14	0.12
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	15	0.12
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	15	0.12
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	15	0.12
(1,1177)	1:139:A:TYR:HD1	1:142:A:PRO:HA	4	0.12
(1,1177)	1:139:A:TYR:HD2	1:142:A:PRO:HA	4	0.12
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	8	0.12
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	8	0.12
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	8	0.12
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	2	0.12
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	2	0.12
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	2	0.12
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG21	20	0.12
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG22	20	0.12
(1,1174)	1:102:A:LEU:H	1:175:A:ILE:HG23	20	0.12
(1,1163)	1:53:A:THR:HG21	1:56:A:THR:HG1	6	0.12
(1,1163)	1:53:A:THR:HG22	1:56:A:THR:HG1	6	0.12
(1,1163)	1:53:A:THR:HG23	1:56:A:THR:HG1	6	0.12
(1,1163)	1:53:A:THR:HG21	1:56:A:THR:HG1	11	0.12
(1,1163)	1:53:A:THR:HG22	1:56:A:THR:HG1	11	0.12
(1,1163)	1:53:A:THR:HG23	1:56:A:THR:HG1	11	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	1	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	1	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	1	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	4	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	4	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	4	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	5	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	5	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	8	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	8	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	8	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	14	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	14	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	14	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	17	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	17	0.12
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	17	0.12
(1,1117)	1:4:A:LEU:HD11	1:84:A:LEU:HA	13	0.12
(1,1117)	1:4:A:LEU:HD12	1:84:A:LEU:HA	13	0.12
(1,1117)	1:4:A:LEU:HD13	1:84:A:LEU:HA	13	0.12
(1,1109)	1:129:A:ALA:HB1	1:166:A:GLU:HG2	3	0.12
(1,1109)	1:129:A:ALA:HB2	1:166:A:GLU:HG2	3	0.12
(1,1109)	1:129:A:ALA:HB3	1:166:A:GLU:HG2	3	0.12
(1,1109)	1:129:A:ALA:HB1	1:166:A:GLU:HG2	19	0.12
(1,1109)	1:129:A:ALA:HB2	1:166:A:GLU:HG2	19	0.12
(1,1109)	1:129:A:ALA:HB3	1:166:A:GLU:HG2	19	0.12
(1,1097)	1:75:A:THR:HG21	1:86:A:GLU:HB2	18	0.12
(1,1097)	1:75:A:THR:HG22	1:86:A:GLU:HB2	18	0.12
(1,1097)	1:75:A:THR:HG23	1:86:A:GLU:HB2	18	0.12
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	11	0.12
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	11	0.12
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	11	0.12
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	11	0.12
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	11	0.12
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	11	0.12
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	11	0.12
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	11	0.12
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	11	0.12
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	19	0.12
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	19	0.12
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	19	0.12
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	19	0.12
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	19	0.12
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	19	0.12
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	19	0.12
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	19	0.12
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	19	0.12
(1,1055)	1:21:A:LEU:HD11	1:59:A:TYR:H	16	0.12
(1,1055)	1:21:A:LEU:HD12	1:59:A:TYR:H	16	0.12
(1,1055)	1:21:A:LEU:HD13	1:59:A:TYR:H	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	20	0.12
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	20	0.12
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	20	0.12
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG11	7	0.12
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG12	7	0.12
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG13	7	0.12
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG11	7	0.12
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG12	7	0.12
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG13	7	0.12
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG11	7	0.12
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG12	7	0.12
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG13	7	0.12
(1,989)	1:87:A:CYS:HA	1:90:A:TYR:HD1	2	0.12
(1,989)	1:87:A:CYS:HA	1:90:A:TYR:HD2	2	0.12
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD11	6	0.12
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD12	6	0.12
(1,978)	1:183:A:ASP:HA	1:186:A:LEU:HD13	6	0.12
(1,970)	1:183:A:ASP:HA	1:186:A:LEU:HD21	8	0.12
(1,970)	1:183:A:ASP:HA	1:186:A:LEU:HD22	8	0.12
(1,970)	1:183:A:ASP:HA	1:186:A:LEU:HD23	8	0.12
(1,967)	1:24:A:LEU:HD21	1:184:A:LEU:HA	8	0.12
(1,967)	1:24:A:LEU:HD22	1:184:A:LEU:HA	8	0.12
(1,967)	1:24:A:LEU:HD23	1:184:A:LEU:HA	8	0.12
(1,960)	1:109:A:ILE:HD11	1:173:A:GLU:HG3	18	0.12
(1,960)	1:109:A:ILE:HD12	1:173:A:GLU:HG3	18	0.12
(1,960)	1:109:A:ILE:HD13	1:173:A:GLU:HG3	18	0.12
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD11	19	0.12
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD12	19	0.12
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD13	19	0.12
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	18	0.12
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	18	0.12
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	18	0.12
(1,899)	1:131:A:ALA:HB1	1:133:A:MET:HG2	20	0.12
(1,899)	1:131:A:ALA:HB2	1:133:A:MET:HG2	20	0.12
(1,899)	1:131:A:ALA:HB3	1:133:A:MET:HG2	20	0.12
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD11	6	0.12
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD12	6	0.12
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD13	6	0.12
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD11	6	0.12
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD12	6	0.12
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD13	6	0.12
(1,868)	1:121:A:LYS:HA	1:124:A:THR:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	17	0.12
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	17	0.12
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	17	0.12
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	10	0.12
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	10	0.12
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	10	0.12
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	10	0.12
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	10	0.12
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	10	0.12
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD1	11	0.12
(1,816)	1:81:A:ILE:HD11	1:163:A:TYR:HD2	11	0.12
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD1	11	0.12
(1,816)	1:81:A:ILE:HD12	1:163:A:TYR:HD2	11	0.12
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD1	11	0.12
(1,816)	1:81:A:ILE:HD13	1:163:A:TYR:HD2	11	0.12
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	17	0.12
(1,710)	1:45:A:ILE:HD11	1:69:A:ASN:HD21	14	0.12
(1,710)	1:45:A:ILE:HD12	1:69:A:ASN:HD21	14	0.12
(1,710)	1:45:A:ILE:HD13	1:69:A:ASN:HD21	14	0.12
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	1	0.12
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	1	0.12
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	1	0.12
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	19	0.12
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	19	0.12
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	19	0.12
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	20	0.12
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	20	0.12
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	20	0.12
(1,674)	1:31:A:ASP:HA	1:34:A:VAL:HG21	1	0.12
(1,674)	1:31:A:ASP:HA	1:34:A:VAL:HG22	1	0.12
(1,674)	1:31:A:ASP:HA	1:34:A:VAL:HG23	1	0.12
(1,664)	1:96:A:LEU:HD11	1:154:A:ILE:HA	10	0.12
(1,664)	1:96:A:LEU:HD12	1:154:A:ILE:HA	10	0.12
(1,664)	1:96:A:LEU:HD13	1:154:A:ILE:HA	10	0.12
(1,651)	1:20:A:PRO:HA	1:30:A:ILE:H	16	0.12
(1,651)	1:20:A:PRO:HA	1:30:A:ILE:H	17	0.12
(1,616)	1:2:A:ASP:HA	1:42:A:VAL:HB	10	0.12
(1,615)	1:1:A:MET:HE1	1:96:A:LEU:HA	10	0.12
(1,615)	1:1:A:MET:HE2	1:96:A:LEU:HA	10	0.12
(1,615)	1:1:A:MET:HE3	1:96:A:LEU:HA	10	0.12
(1,570)	1:163:A:TYR:HB2	1:164:A:GLN:H	7	0.12
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	7	0.12
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	7	0.12
(1,553)	1:130:A:LEU:HD21	1:131:A:ALA:H	9	0.12
(1,553)	1:130:A:LEU:HD22	1:131:A:ALA:H	9	0.12
(1,553)	1:130:A:LEU:HD23	1:131:A:ALA:H	9	0.12
(1,506)	1:81:A:ILE:HB	1:82:A:GLU:H	7	0.12
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	7	0.12
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	7	0.12
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	7	0.12
(1,493)	1:70:A:ILE:HD11	1:71:A:VAL:H	10	0.12
(1,493)	1:70:A:ILE:HD12	1:71:A:VAL:H	10	0.12
(1,493)	1:70:A:ILE:HD13	1:71:A:VAL:H	10	0.12
(1,493)	1:70:A:ILE:HD11	1:71:A:VAL:H	15	0.12
(1,493)	1:70:A:ILE:HD12	1:71:A:VAL:H	15	0.12
(1,493)	1:70:A:ILE:HD13	1:71:A:VAL:H	15	0.12
(1,453)	1:34:A:VAL:HB	1:35:A:SER:H	1	0.12
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	10	0.12
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	10	0.12
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	10	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	2	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	2	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	2	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	8	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	8	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	8	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	15	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	15	0.12
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	15	0.12
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	15	0.12
(1,320)	1:154:A:ILE:H	1:154:A:ILE:HB	9	0.12
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	4	0.12
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	4	0.12
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	4	0.12
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	6	0.12
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	6	0.12
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	6	0.12
(1,129)	1:61:A:ASN:H	1:61:A:ASN:HB3	8	0.12
(1,129)	1:61:A:ASN:H	1:61:A:ASN:HB3	18	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	7	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	7	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	7	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	13	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	13	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	16	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	16	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	16	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	18	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	18	0.12
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	18	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	9	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	9	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	9	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	19	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	19	0.12
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	19	0.12
(1,28)	1:22:A:ILE:H	1:22:A:ILE:HG13	8	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	8	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	8	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	8	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	13	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	13	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	13	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD11	19	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD12	19	0.12
(1,19)	1:21:A:LEU:H	1:21:A:LEU:HD13	19	0.12
(1,2842)	1:190:A:LEU:HD11	1:191:A:LEU:H	10	0.11
(1,2842)	1:190:A:LEU:HD12	1:191:A:LEU:H	10	0.11
(1,2842)	1:190:A:LEU:HD13	1:191:A:LEU:H	10	0.11
(1,2842)	1:190:A:LEU:HD21	1:191:A:LEU:H	10	0.11
(1,2842)	1:190:A:LEU:HD22	1:191:A:LEU:H	10	0.11
(1,2842)	1:190:A:LEU:HD23	1:191:A:LEU:H	10	0.11
(1,2833)	1:188:A:GLU:HB2	1:189:A:MET:H	2	0.11
(1,2833)	1:188:A:GLU:HB3	1:189:A:MET:H	2	0.11
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG2	4	0.11
(1,2830)	1:188:A:GLU:HA	1:188:A:GLU:HG3	4	0.11
(1,2795)	1:174:A:LEU:HD11	1:175:A:ILE:H	19	0.11
(1,2795)	1:174:A:LEU:HD12	1:175:A:ILE:H	19	0.11
(1,2795)	1:174:A:LEU:HD13	1:175:A:ILE:H	19	0.11
(1,2795)	1:174:A:LEU:HD21	1:175:A:ILE:H	19	0.11
(1,2795)	1:174:A:LEU:HD22	1:175:A:ILE:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:174:A:LEU:HD23	1:175:A:ILE:H	19	0.11
(1,2767)	1:165:A:LYS:HB2	1:166:A:GLU:H	14	0.11
(1,2767)	1:165:A:LYS:HB3	1:166:A:GLU:H	14	0.11
(1,2763)	1:164:A:GLN:HG2	1:165:A:LYS:H	4	0.11
(1,2763)	1:164:A:GLN:HG3	1:165:A:LYS:H	4	0.11
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	6	0.11
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	6	0.11
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	6	0.11
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	6	0.11
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	6	0.11
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	6	0.11
(1,2724)	1:149:A:LEU:HD11	1:150:A:VAL:H	16	0.11
(1,2724)	1:149:A:LEU:HD12	1:150:A:VAL:H	16	0.11
(1,2724)	1:149:A:LEU:HD13	1:150:A:VAL:H	16	0.11
(1,2724)	1:149:A:LEU:HD21	1:150:A:VAL:H	16	0.11
(1,2724)	1:149:A:LEU:HD22	1:150:A:VAL:H	16	0.11
(1,2724)	1:149:A:LEU:HD23	1:150:A:VAL:H	16	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	7	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	7	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	7	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	7	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	7	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	7	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	9	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	9	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	9	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	9	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	9	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	9	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	11	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	11	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	11	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	11	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	11	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	11	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	12	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	12	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	12	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	12	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	12	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	12	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	15	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	15	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	15	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	15	0.11
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	15	0.11
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG2	14	0.11
(1,2656)	1:131:A:ALA:HB1	1:133:A:MET:HG3	14	0.11
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG2	14	0.11
(1,2656)	1:131:A:ALA:HB2	1:133:A:MET:HG3	14	0.11
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG2	14	0.11
(1,2656)	1:131:A:ALA:HB3	1:133:A:MET:HG3	14	0.11
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG2	9	0.11
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG3	9	0.11
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG2	9	0.11
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG3	9	0.11
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG2	9	0.11
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG3	9	0.11
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG2	9	0.11
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG3	9	0.11
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG2	9	0.11
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG3	9	0.11
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG2	9	0.11
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG3	9	0.11
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG2	12	0.11
(1,2652)	1:130:A:LEU:HD11	1:169:A:MET:HG3	12	0.11
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG2	12	0.11
(1,2652)	1:130:A:LEU:HD12	1:169:A:MET:HG3	12	0.11
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG2	12	0.11
(1,2652)	1:130:A:LEU:HD13	1:169:A:MET:HG3	12	0.11
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG2	12	0.11
(1,2652)	1:130:A:LEU:HD21	1:169:A:MET:HG3	12	0.11
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG2	12	0.11
(1,2652)	1:130:A:LEU:HD22	1:169:A:MET:HG3	12	0.11
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG2	12	0.11
(1,2652)	1:130:A:LEU:HD23	1:169:A:MET:HG3	12	0.11
(1,2650)	1:130:A:LEU:HD11	1:169:A:MET:HA	15	0.11
(1,2650)	1:130:A:LEU:HD12	1:169:A:MET:HA	15	0.11
(1,2650)	1:130:A:LEU:HD13	1:169:A:MET:HA	15	0.11
(1,2650)	1:130:A:LEU:HD21	1:169:A:MET:HA	15	0.11
(1,2650)	1:130:A:LEU:HD22	1:169:A:MET:HA	15	0.11
(1,2650)	1:130:A:LEU:HD23	1:169:A:MET:HA	15	0.11
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	1	0.11
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	1	0.11
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	1	0.11
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	1	0.11
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	1	0.11
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	1	0.11
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	1	0.11
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	1	0.11
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	1	0.11
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	1	0.11
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	1	0.11
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG2	13	0.11
(1,2647)	1:130:A:LEU:HD11	1:167:A:GLU:HG3	13	0.11
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG2	13	0.11
(1,2647)	1:130:A:LEU:HD12	1:167:A:GLU:HG3	13	0.11
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG2	13	0.11
(1,2647)	1:130:A:LEU:HD13	1:167:A:GLU:HG3	13	0.11
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG2	13	0.11
(1,2647)	1:130:A:LEU:HD21	1:167:A:GLU:HG3	13	0.11
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG2	13	0.11
(1,2647)	1:130:A:LEU:HD22	1:167:A:GLU:HG3	13	0.11
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG2	13	0.11
(1,2647)	1:130:A:LEU:HD23	1:167:A:GLU:HG3	13	0.11
(1,2629)	1:128:A:GLU:HG2	1:129:A:ALA:H	18	0.11
(1,2629)	1:128:A:GLU:HG3	1:129:A:ALA:H	18	0.11
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB1	9	0.11
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB2	9	0.11
(1,2621)	1:127:A:VAL:HG11	1:129:A:ALA:HB3	9	0.11
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB1	9	0.11
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB2	9	0.11
(1,2621)	1:127:A:VAL:HG12	1:129:A:ALA:HB3	9	0.11
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB1	9	0.11
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB2	9	0.11
(1,2621)	1:127:A:VAL:HG13	1:129:A:ALA:HB3	9	0.11
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB1	9	0.11
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB2	9	0.11
(1,2621)	1:127:A:VAL:HG21	1:129:A:ALA:HB3	9	0.11
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB1	9	0.11
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB2	9	0.11
(1,2621)	1:127:A:VAL:HG22	1:129:A:ALA:HB3	9	0.11
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB1	9	0.11
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2621)	1:127:A:VAL:HG23	1:129:A:ALA:HB3	9	0.11
(1,2611)	1:124:A:THR:HB	1:127:A:VAL:HG11	14	0.11
(1,2611)	1:124:A:THR:HB	1:127:A:VAL:HG12	14	0.11
(1,2611)	1:124:A:THR:HB	1:127:A:VAL:HG13	14	0.11
(1,2611)	1:124:A:THR:HB	1:127:A:VAL:HG21	14	0.11
(1,2611)	1:124:A:THR:HB	1:127:A:VAL:HG22	14	0.11
(1,2611)	1:124:A:THR:HB	1:127:A:VAL:HG23	14	0.11
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE2	4	0.11
(1,2590)	1:120:A:ILE:HG21	1:165:A:LYS:HE3	4	0.11
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE2	4	0.11
(1,2590)	1:120:A:ILE:HG22	1:165:A:LYS:HE3	4	0.11
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE2	4	0.11
(1,2590)	1:120:A:ILE:HG23	1:165:A:LYS:HE3	4	0.11
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	3	0.11
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	3	0.11
(1,2581)	1:118:A:TYR:HA	1:121:A:LYS:HB2	10	0.11
(1,2581)	1:118:A:TYR:HA	1:121:A:LYS:HB3	10	0.11
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG11	7	0.11
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG12	7	0.11
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG13	7	0.11
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG21	7	0.11
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG22	7	0.11
(1,2570)	1:117:A:PHE:H	1:156:A:VAL:HG23	7	0.11
(1,2543)	1:109:A:ILE:HG12	1:173:A:GLU:HG2	1	0.11
(1,2543)	1:109:A:ILE:HG12	1:173:A:GLU:HG3	1	0.11
(1,2543)	1:109:A:ILE:HG13	1:173:A:GLU:HG2	1	0.11
(1,2543)	1:109:A:ILE:HG13	1:173:A:GLU:HG3	1	0.11
(1,2534)	1:108:A:LYS:HA	1:111:A:ASN:HD21	7	0.11
(1,2534)	1:108:A:LYS:HA	1:111:A:ASN:HD22	7	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD11	6	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD12	6	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD13	6	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD21	6	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD22	6	0.11
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD23	6	0.11
(1,2523)	1:98:A:VAL:HG11	1:155:A:ASN:H	8	0.11
(1,2523)	1:98:A:VAL:HG12	1:155:A:ASN:H	8	0.11
(1,2523)	1:98:A:VAL:HG13	1:155:A:ASN:H	8	0.11
(1,2523)	1:98:A:VAL:HG21	1:155:A:ASN:H	8	0.11
(1,2523)	1:98:A:VAL:HG22	1:155:A:ASN:H	8	0.11
(1,2523)	1:98:A:VAL:HG23	1:155:A:ASN:H	8	0.11
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	15	0.11
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	15	0.11
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	15	0.11
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	15	0.11
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	15	0.11
(1,2503)	1:96:A:LEU:HD11	1:114:A:VAL:HG11	9	0.11
(1,2503)	1:96:A:LEU:HD11	1:114:A:VAL:HG12	9	0.11
(1,2503)	1:96:A:LEU:HD11	1:114:A:VAL:HG13	9	0.11
(1,2503)	1:96:A:LEU:HD11	1:114:A:VAL:HG21	9	0.11
(1,2503)	1:96:A:LEU:HD11	1:114:A:VAL:HG22	9	0.11
(1,2503)	1:96:A:LEU:HD11	1:114:A:VAL:HG23	9	0.11
(1,2503)	1:96:A:LEU:HD12	1:114:A:VAL:HG11	9	0.11
(1,2503)	1:96:A:LEU:HD12	1:114:A:VAL:HG12	9	0.11
(1,2503)	1:96:A:LEU:HD12	1:114:A:VAL:HG13	9	0.11
(1,2503)	1:96:A:LEU:HD12	1:114:A:VAL:HG21	9	0.11
(1,2503)	1:96:A:LEU:HD12	1:114:A:VAL:HG22	9	0.11
(1,2503)	1:96:A:LEU:HD12	1:114:A:VAL:HG23	9	0.11
(1,2503)	1:96:A:LEU:HD13	1:114:A:VAL:HG11	9	0.11
(1,2503)	1:96:A:LEU:HD13	1:114:A:VAL:HG12	9	0.11
(1,2503)	1:96:A:LEU:HD13	1:114:A:VAL:HG13	9	0.11
(1,2503)	1:96:A:LEU:HD13	1:114:A:VAL:HG21	9	0.11
(1,2503)	1:96:A:LEU:HD13	1:114:A:VAL:HG22	9	0.11
(1,2503)	1:96:A:LEU:HD13	1:114:A:VAL:HG23	9	0.11
(1,2503)	1:96:A:LEU:HD21	1:114:A:VAL:HG11	9	0.11
(1,2503)	1:96:A:LEU:HD21	1:114:A:VAL:HG12	9	0.11
(1,2503)	1:96:A:LEU:HD21	1:114:A:VAL:HG13	9	0.11
(1,2503)	1:96:A:LEU:HD21	1:114:A:VAL:HG21	9	0.11
(1,2503)	1:96:A:LEU:HD21	1:114:A:VAL:HG22	9	0.11
(1,2503)	1:96:A:LEU:HD21	1:114:A:VAL:HG23	9	0.11
(1,2503)	1:96:A:LEU:HD22	1:114:A:VAL:HG11	9	0.11
(1,2503)	1:96:A:LEU:HD22	1:114:A:VAL:HG12	9	0.11
(1,2503)	1:96:A:LEU:HD22	1:114:A:VAL:HG13	9	0.11
(1,2503)	1:96:A:LEU:HD22	1:114:A:VAL:HG21	9	0.11
(1,2503)	1:96:A:LEU:HD22	1:114:A:VAL:HG22	9	0.11
(1,2503)	1:96:A:LEU:HD22	1:114:A:VAL:HG23	9	0.11
(1,2503)	1:96:A:LEU:HD23	1:114:A:VAL:HG11	9	0.11
(1,2503)	1:96:A:LEU:HD23	1:114:A:VAL:HG12	9	0.11
(1,2503)	1:96:A:LEU:HD23	1:114:A:VAL:HG13	9	0.11
(1,2503)	1:96:A:LEU:HD23	1:114:A:VAL:HG21	9	0.11
(1,2503)	1:96:A:LEU:HD23	1:114:A:VAL:HG22	9	0.11
(1,2503)	1:96:A:LEU:HD23	1:114:A:VAL:HG23	9	0.11
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG21	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG22	4	0.11
(1,2460)	1:85:A:ASN:HB2	1:88:A:ILE:HG23	4	0.11
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG21	4	0.11
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG22	4	0.11
(1,2460)	1:85:A:ASN:HB3	1:88:A:ILE:HG23	4	0.11
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	1	0.11
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	1	0.11
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	12	0.11
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	12	0.11
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	15	0.11
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	15	0.11
(1,2422)	1:76:A:SER:HB2	1:77:A:GLY:H	20	0.11
(1,2422)	1:76:A:SER:HB3	1:77:A:GLY:H	20	0.11
(1,2399)	1:68:A:LYS:HD2	1:69:A:ASN:H	11	0.11
(1,2399)	1:68:A:LYS:HD3	1:69:A:ASN:H	11	0.11
(1,2355)	1:60:A:ILE:H	1:61:A:ASN:HB2	8	0.11
(1,2355)	1:60:A:ILE:H	1:61:A:ASN:HB3	8	0.11
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD21	2	0.11
(1,2344)	1:57:A:LYS:HG2	1:61:A:ASN:HD22	2	0.11
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD21	2	0.11
(1,2344)	1:57:A:LYS:HG3	1:61:A:ASN:HD22	2	0.11
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	4	0.11
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	4	0.11
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	4	0.11
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	4	0.11
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	12	0.11
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	12	0.11
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	12	0.11
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	12	0.11
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	17	0.11
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	17	0.11
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	17	0.11
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	17	0.11
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD21	18	0.11
(1,2265)	1:41:A:LYS:HG2	1:111:A:ASN:HD22	18	0.11
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD21	18	0.11
(1,2265)	1:41:A:LYS:HG3	1:111:A:ASN:HD22	18	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG11	7	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG12	7	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG13	7	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG21	7	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG22	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG23	7	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG11	10	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG12	10	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG13	10	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG21	10	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG22	10	0.11
(1,2258)	1:41:A:LYS:H	1:42:A:VAL:HG23	10	0.11
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	14	0.11
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	14	0.11
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	14	0.11
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	14	0.11
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	14	0.11
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	14	0.11
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	13	0.11
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	13	0.11
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	14	0.11
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	14	0.11
(1,2147)	1:24:A:LEU:HD11	1:184:A:LEU:HA	9	0.11
(1,2147)	1:24:A:LEU:HD12	1:184:A:LEU:HA	9	0.11
(1,2147)	1:24:A:LEU:HD13	1:184:A:LEU:HA	9	0.11
(1,2147)	1:24:A:LEU:HD21	1:184:A:LEU:HA	9	0.11
(1,2147)	1:24:A:LEU:HD22	1:184:A:LEU:HA	9	0.11
(1,2147)	1:24:A:LEU:HD23	1:184:A:LEU:HA	9	0.11
(1,2123)	1:21:A:LEU:HD11	1:22:A:ILE:H	8	0.11
(1,2123)	1:21:A:LEU:HD12	1:22:A:ILE:H	8	0.11
(1,2123)	1:21:A:LEU:HD13	1:22:A:ILE:H	8	0.11
(1,2123)	1:21:A:LEU:HD21	1:22:A:ILE:H	8	0.11
(1,2123)	1:21:A:LEU:HD22	1:22:A:ILE:H	8	0.11
(1,2123)	1:21:A:LEU:HD23	1:22:A:ILE:H	8	0.11
(1,2123)	1:21:A:LEU:HD11	1:22:A:ILE:H	14	0.11
(1,2123)	1:21:A:LEU:HD12	1:22:A:ILE:H	14	0.11
(1,2123)	1:21:A:LEU:HD13	1:22:A:ILE:H	14	0.11
(1,2123)	1:21:A:LEU:HD21	1:22:A:ILE:H	14	0.11
(1,2123)	1:21:A:LEU:HD22	1:22:A:ILE:H	14	0.11
(1,2123)	1:21:A:LEU:HD23	1:22:A:ILE:H	14	0.11
(1,2123)	1:21:A:LEU:HD11	1:22:A:ILE:H	17	0.11
(1,2123)	1:21:A:LEU:HD12	1:22:A:ILE:H	17	0.11
(1,2123)	1:21:A:LEU:HD13	1:22:A:ILE:H	17	0.11
(1,2123)	1:21:A:LEU:HD21	1:22:A:ILE:H	17	0.11
(1,2123)	1:21:A:LEU:HD22	1:22:A:ILE:H	17	0.11
(1,2123)	1:21:A:LEU:HD23	1:22:A:ILE:H	17	0.11
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB2	14	0.11
(1,2099)	1:6:A:MET:HG2	1:48:A:ALA:HB3	14	0.11
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB1	14	0.11
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB2	14	0.11
(1,2099)	1:6:A:MET:HG3	1:48:A:ALA:HB3	14	0.11
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	15	0.11
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	15	0.11
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	15	0.11
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	15	0.11
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE1	19	0.11
(1,2095)	1:6:A:MET:HB2	1:80:A:TYR:HE2	19	0.11
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE1	19	0.11
(1,2095)	1:6:A:MET:HB3	1:80:A:TYR:HE2	19	0.11
(1,2073)	1:4:A:LEU:HD11	1:87:A:CYS:HA	2	0.11
(1,2073)	1:4:A:LEU:HD12	1:87:A:CYS:HA	2	0.11
(1,2073)	1:4:A:LEU:HD13	1:87:A:CYS:HA	2	0.11
(1,2073)	1:4:A:LEU:HD21	1:87:A:CYS:HA	2	0.11
(1,2073)	1:4:A:LEU:HD22	1:87:A:CYS:HA	2	0.11
(1,2073)	1:4:A:LEU:HD23	1:87:A:CYS:HA	2	0.11
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	1	0.11
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	1	0.11
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	1	0.11
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	1	0.11
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	1	0.11
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	1	0.11
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	11	0.11
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	11	0.11
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	11	0.11
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	11	0.11
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	11	0.11
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	11	0.11
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	17	0.11
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	17	0.11
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	17	0.11
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	17	0.11
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	17	0.11
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	17	0.11
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	17	0.11
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	17	0.11
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	17	0.11
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	17	0.11
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	17	0.11
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	17	0.11
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	17	0.11
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	17	0.11
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	17	0.11
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	17	0.11
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	17	0.11
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB2	6	0.11
(1,2060)	1:4:A:LEU:HD11	1:6:A:MET:HB3	6	0.11
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB2	6	0.11
(1,2060)	1:4:A:LEU:HD12	1:6:A:MET:HB3	6	0.11
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB2	6	0.11
(1,2060)	1:4:A:LEU:HD13	1:6:A:MET:HB3	6	0.11
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB2	6	0.11
(1,2060)	1:4:A:LEU:HD21	1:6:A:MET:HB3	6	0.11
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB2	6	0.11
(1,2060)	1:4:A:LEU:HD22	1:6:A:MET:HB3	6	0.11
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB2	6	0.11
(1,2060)	1:4:A:LEU:HD23	1:6:A:MET:HB3	6	0.11
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG11	13	0.11
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG12	13	0.11
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG13	13	0.11
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG21	13	0.11
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG22	13	0.11
(1,2035)	1:2:A:ASP:H	1:42:A:VAL:HG23	13	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD11	1	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD12	1	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD13	1	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD21	1	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD22	1	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD23	1	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD11	1	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD12	1	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD13	1	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD21	1	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD22	1	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD23	1	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD11	1	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD12	1	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD13	1	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD21	1	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD22	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD23	1	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD11	5	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD12	5	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD13	5	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD21	5	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD22	5	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD23	5	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD11	5	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD12	5	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD13	5	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD21	5	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD22	5	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD23	5	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD11	5	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD12	5	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD13	5	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD21	5	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD22	5	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD23	5	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD11	18	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD12	18	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD13	18	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD21	18	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD22	18	0.11
(1,2032)	1:1:A:MET:HE1	1:96:A:LEU:HD23	18	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD11	18	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD12	18	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD13	18	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD21	18	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD22	18	0.11
(1,2032)	1:1:A:MET:HE2	1:96:A:LEU:HD23	18	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD11	18	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD12	18	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD13	18	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD21	18	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD22	18	0.11
(1,2032)	1:1:A:MET:HE3	1:96:A:LEU:HD23	18	0.11
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG2	7	0.11
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG3	7	0.11
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG2	7	0.11
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG3	7	0.11
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG3	7	0.11
(1,2021)	1:1:A:MET:HB2	1:114:A:VAL:HG11	11	0.11
(1,2021)	1:1:A:MET:HB2	1:114:A:VAL:HG12	11	0.11
(1,2021)	1:1:A:MET:HB2	1:114:A:VAL:HG13	11	0.11
(1,2021)	1:1:A:MET:HB2	1:114:A:VAL:HG21	11	0.11
(1,2021)	1:1:A:MET:HB2	1:114:A:VAL:HG22	11	0.11
(1,2021)	1:1:A:MET:HB2	1:114:A:VAL:HG23	11	0.11
(1,2021)	1:1:A:MET:HB3	1:114:A:VAL:HG11	11	0.11
(1,2021)	1:1:A:MET:HB3	1:114:A:VAL:HG12	11	0.11
(1,2021)	1:1:A:MET:HB3	1:114:A:VAL:HG13	11	0.11
(1,2021)	1:1:A:MET:HB3	1:114:A:VAL:HG21	11	0.11
(1,2021)	1:1:A:MET:HB3	1:114:A:VAL:HG22	11	0.11
(1,2021)	1:1:A:MET:HB3	1:114:A:VAL:HG23	11	0.11
(1,2015)	1:100:A:SER:HA	1:102:A:LEU:H	12	0.11
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	6	0.11
(1,1975)	1:120:A:ILE:HD11	1:167:A:GLU:H	4	0.11
(1,1975)	1:120:A:ILE:HD12	1:167:A:GLU:H	4	0.11
(1,1975)	1:120:A:ILE:HD13	1:167:A:GLU:H	4	0.11
(1,1975)	1:120:A:ILE:HD11	1:167:A:GLU:H	15	0.11
(1,1975)	1:120:A:ILE:HD12	1:167:A:GLU:H	15	0.11
(1,1975)	1:120:A:ILE:HD13	1:167:A:GLU:H	15	0.11
(1,1974)	1:129:A:ALA:HB1	1:167:A:GLU:H	16	0.11
(1,1974)	1:129:A:ALA:HB2	1:167:A:GLU:H	16	0.11
(1,1974)	1:129:A:ALA:HB3	1:167:A:GLU:H	16	0.11
(1,1974)	1:129:A:ALA:HB1	1:167:A:GLU:H	18	0.11
(1,1974)	1:129:A:ALA:HB2	1:167:A:GLU:H	18	0.11
(1,1974)	1:129:A:ALA:HB3	1:167:A:GLU:H	18	0.11
(1,1966)	1:164:A:GLN:HG3	1:164:A:GLN:HE22	3	0.11
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	1	0.11
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	3	0.11
(1,1954)	1:108:A:LYS:HA	1:111:A:ASN:HD22	1	0.11
(1,1936)	1:180:A:THR:HG21	1:183:A:ASP:H	4	0.11
(1,1936)	1:180:A:THR:HG22	1:183:A:ASP:H	4	0.11
(1,1936)	1:180:A:THR:HG23	1:183:A:ASP:H	4	0.11
(1,1936)	1:180:A:THR:HG21	1:183:A:ASP:H	16	0.11
(1,1936)	1:180:A:THR:HG22	1:183:A:ASP:H	16	0.11
(1,1936)	1:180:A:THR:HG23	1:183:A:ASP:H	16	0.11
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	4	0.11
(1,1868)	1:85:A:ASN:HA	1:87:A:CYS:H	20	0.11
(1,1856)	1:79:A:GLY:H	1:83:A:ASP:H	7	0.11
(1,1856)	1:79:A:GLY:H	1:83:A:ASP:H	9	0.11
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	9	0.11
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	9	0.11
(1,1827)	1:21:A:LEU:HD21	1:59:A:TYR:H	20	0.11
(1,1827)	1:21:A:LEU:HD22	1:59:A:TYR:H	20	0.11
(1,1827)	1:21:A:LEU:HD23	1:59:A:TYR:H	20	0.11
(1,1824)	1:62:A:SER:H	1:64:A:TYR:H	18	0.11
(1,1821)	1:55:A:LYS:H	1:56:A:THR:HG1	18	0.11
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	20	0.11
(1,1815)	1:63:A:ALA:H	1:65:A:LYS:H	10	0.11
(1,1801)	1:53:A:THR:HA	1:55:A:LYS:H	12	0.11
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	2	0.11
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	3	0.11
(1,1687)	1:23:A:LYS:H	1:24:A:LEU:H	15	0.11
(1,1682)	1:196:A:LEU:H	1:196:A:LEU:HG	2	0.11
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	19	0.11
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	2	0.11
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	18	0.11
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	9	0.11
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	18	0.11
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	19	0.11
(1,1521)	1:42:A:VAL:H	1:42:A:VAL:HB	12	0.11
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD21	3	0.11
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD22	3	0.11
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD23	3	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	6	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	6	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	6	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	7	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	7	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	7	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	10	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	10	0.11
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	10	0.11
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	7	0.11
(1,1452)	1:172:A:ASP:HA	1:173:A:GLU:H	10	0.11
(1,1416)	1:154:A:ILE:HG13	1:155:A:ASN:H	9	0.11
(1,1406)	1:138:A:LYS:HB3	1:139:A:TYR:H	13	0.11
(1,1356)	1:109:A:ILE:HD11	1:110:A:ILE:H	14	0.11
(1,1356)	1:109:A:ILE:HD12	1:110:A:ILE:H	14	0.11
(1,1356)	1:109:A:ILE:HD13	1:110:A:ILE:H	14	0.11
(1,1333)	1:92:A:SER:HA	1:93:A:GLU:H	4	0.11
(1,1331)	1:90:A:TYR:HD1	1:91:A:PHE:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:90:A:TYR:HD2	1:91:A:PHE:H	17	0.11
(1,1327)	1:88:A:ILE:HG21	1:89:A:GLY:H	15	0.11
(1,1327)	1:88:A:ILE:HG22	1:89:A:GLY:H	15	0.11
(1,1327)	1:88:A:ILE:HG23	1:89:A:GLY:H	15	0.11
(1,1309)	1:80:A:TYR:HB2	1:81:A:ILE:H	9	0.11
(1,1286)	1:65:A:LYS:HG3	1:66:A:ASP:H	16	0.11
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	2	0.11
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	8	0.11
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	10	0.11
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	11	0.11
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	12	0.11
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	12	0.11
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	12	0.11
(1,1210)	1:6:A:MET:HG3	1:7:A:ALA:H	19	0.11
(1,1182)	1:24:A:LEU:HD11	1:184:A:LEU:HA	13	0.11
(1,1182)	1:24:A:LEU:HD12	1:184:A:LEU:HA	13	0.11
(1,1182)	1:24:A:LEU:HD13	1:184:A:LEU:HA	13	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	3	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	3	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	3	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	4	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	4	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	4	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD11	5	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD12	5	0.11
(1,1175)	1:102:A:LEU:H	1:175:A:ILE:HD13	5	0.11
(1,1173)	1:134:A:ILE:HG21	1:171:A:ILE:HB	1	0.11
(1,1173)	1:134:A:ILE:HG22	1:171:A:ILE:HB	1	0.11
(1,1173)	1:134:A:ILE:HG23	1:171:A:ILE:HB	1	0.11
(1,1163)	1:53:A:THR:HG21	1:56:A:THR:HG1	16	0.11
(1,1163)	1:53:A:THR:HG22	1:56:A:THR:HG1	16	0.11
(1,1163)	1:53:A:THR:HG23	1:56:A:THR:HG1	16	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	2	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	2	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	2	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	10	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	10	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	10	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	13	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	13	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	13	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	16	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	16	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	18	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	18	0.11
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	18	0.11
(1,1121)	1:21:A:LEU:HD11	1:28:A:CYS:HB3	7	0.11
(1,1121)	1:21:A:LEU:HD12	1:28:A:CYS:HB3	7	0.11
(1,1121)	1:21:A:LEU:HD13	1:28:A:CYS:HB3	7	0.11
(1,1117)	1:4:A:LEU:HD11	1:84:A:LEU:HA	1	0.11
(1,1117)	1:4:A:LEU:HD12	1:84:A:LEU:HA	1	0.11
(1,1117)	1:4:A:LEU:HD13	1:84:A:LEU:HA	1	0.11
(1,1110)	1:131:A:ALA:HB1	1:133:A:MET:HG3	13	0.11
(1,1110)	1:131:A:ALA:HB2	1:133:A:MET:HG3	13	0.11
(1,1110)	1:131:A:ALA:HB3	1:133:A:MET:HG3	13	0.11
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD11	16	0.11
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD12	16	0.11
(1,1095)	1:30:A:ILE:HG21	1:47:A:ILE:HD13	16	0.11
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD11	16	0.11
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD12	16	0.11
(1,1095)	1:30:A:ILE:HG22	1:47:A:ILE:HD13	16	0.11
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD11	16	0.11
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD12	16	0.11
(1,1095)	1:30:A:ILE:HG23	1:47:A:ILE:HD13	16	0.11
(1,1085)	1:124:A:THR:HG21	1:125:A:PRO:HD3	14	0.11
(1,1085)	1:124:A:THR:HG22	1:125:A:PRO:HD3	14	0.11
(1,1085)	1:124:A:THR:HG23	1:125:A:PRO:HD3	14	0.11
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	11	0.11
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	11	0.11
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	11	0.11
(1,1044)	1:5:A:ILE:HD11	1:33:A:VAL:HA	13	0.11
(1,1044)	1:5:A:ILE:HD12	1:33:A:VAL:HA	13	0.11
(1,1044)	1:5:A:ILE:HD13	1:33:A:VAL:HA	13	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE1	10	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE2	10	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE3	10	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE1	11	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE2	11	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE3	11	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE1	18	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE2	18	0.11
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE3	18	0.11
(1,1001)	1:152:A:ALA:HB1	1:154:A:ILE:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:152:A:ALA:HB2	1:154:A:ILE:H	5	0.11
(1,1001)	1:152:A:ALA:HB3	1:154:A:ILE:H	5	0.11
(1,992)	1:4:A:LEU:H	1:96:A:LEU:HD21	2	0.11
(1,992)	1:4:A:LEU:H	1:96:A:LEU:HD22	2	0.11
(1,992)	1:4:A:LEU:H	1:96:A:LEU:HD23	2	0.11
(1,973)	1:24:A:LEU:HD21	1:188:A:GLU:HA	5	0.11
(1,973)	1:24:A:LEU:HD22	1:188:A:GLU:HA	5	0.11
(1,973)	1:24:A:LEU:HD23	1:188:A:GLU:HA	5	0.11
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD11	3	0.11
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD12	3	0.11
(1,953)	1:133:A:MET:H	1:171:A:ILE:HD13	3	0.11
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	7	0.11
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	7	0.11
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	7	0.11
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE1	10	0.11
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE2	10	0.11
(1,951)	1:117:A:PHE:H	1:169:A:MET:HE3	10	0.11
(1,948)	1:132:A:VAL:HA	1:169:A:MET:HE1	17	0.11
(1,948)	1:132:A:VAL:HA	1:169:A:MET:HE2	17	0.11
(1,948)	1:132:A:VAL:HA	1:169:A:MET:HE3	17	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	7	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	7	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	7	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	17	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	17	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	17	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	20	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	20	0.11
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	20	0.11
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD11	11	0.11
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD12	11	0.11
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD13	11	0.11
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD11	11	0.11
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD12	11	0.11
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD13	11	0.11
(1,868)	1:121:A:LYS:HA	1:124:A:THR:H	5	0.11
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	5	0.11
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	5	0.11
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	5	0.11
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	10	0.11
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	10	0.11
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:109:A:ILE:HG21	1:111:A:ASN:H	15	0.11
(1,848)	1:109:A:ILE:HG22	1:111:A:ASN:H	15	0.11
(1,848)	1:109:A:ILE:HG23	1:111:A:ASN:H	15	0.11
(1,842)	1:96:A:LEU:HD21	1:154:A:ILE:HA	18	0.11
(1,842)	1:96:A:LEU:HD22	1:154:A:ILE:HA	18	0.11
(1,842)	1:96:A:LEU:HD23	1:154:A:ILE:HA	18	0.11
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	5	0.11
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	5	0.11
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	5	0.11
(1,808)	1:73:A:ILE:HD11	1:87:A:CYS:HB2	13	0.11
(1,808)	1:73:A:ILE:HD12	1:87:A:CYS:HB2	13	0.11
(1,808)	1:73:A:ILE:HD13	1:87:A:CYS:HB2	13	0.11
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	2	0.11
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	8	0.11
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	12	0.11
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	16	0.11
(1,749)	1:55:A:LYS:HA	1:58:A:GLU:HB2	19	0.11
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	4	0.11
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	4	0.11
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	4	0.11
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	12	0.11
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	12	0.11
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	12	0.11
(1,703)	1:42:A:VAL:HG11	1:43:A:ASN:HB2	18	0.11
(1,703)	1:42:A:VAL:HG12	1:43:A:ASN:HB2	18	0.11
(1,703)	1:42:A:VAL:HG13	1:43:A:ASN:HB2	18	0.11
(1,694)	1:42:A:VAL:HG21	1:43:A:ASN:HA	14	0.11
(1,694)	1:42:A:VAL:HG22	1:43:A:ASN:HA	14	0.11
(1,694)	1:42:A:VAL:HG23	1:43:A:ASN:HA	14	0.11
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG21	3	0.11
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG22	3	0.11
(1,689)	1:40:A:SER:HA	1:110:A:ILE:HG23	3	0.11
(1,664)	1:96:A:LEU:HD11	1:154:A:ILE:HA	13	0.11
(1,664)	1:96:A:LEU:HD12	1:154:A:ILE:HA	13	0.11
(1,664)	1:96:A:LEU:HD13	1:154:A:ILE:HA	13	0.11
(1,640)	1:6:A:MET:HB2	1:48:A:ALA:HB1	5	0.11
(1,640)	1:6:A:MET:HB2	1:48:A:ALA:HB2	5	0.11
(1,640)	1:6:A:MET:HB2	1:48:A:ALA:HB3	5	0.11
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	1	0.11
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	3	0.11
(1,531)	1:100:A:SER:HA	1:101:A:ASP:H	11	0.11
(1,525)	1:96:A:LEU:HD21	1:97:A:VAL:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:96:A:LEU:HD22	1:97:A:VAL:H	7	0.11
(1,525)	1:96:A:LEU:HD23	1:97:A:VAL:H	7	0.11
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	5	0.11
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	5	0.11
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	5	0.11
(1,493)	1:70:A:ILE:HD11	1:71:A:VAL:H	17	0.11
(1,493)	1:70:A:ILE:HD12	1:71:A:VAL:H	17	0.11
(1,493)	1:70:A:ILE:HD13	1:71:A:VAL:H	17	0.11
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	3	0.11
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	3	0.11
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	3	0.11
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	13	0.11
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	13	0.11
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	13	0.11
(1,440)	1:22:A:ILE:HD11	1:23:A:LYS:H	14	0.11
(1,440)	1:22:A:ILE:HD12	1:23:A:LYS:H	14	0.11
(1,440)	1:22:A:ILE:HD13	1:23:A:LYS:H	14	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	1	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	1	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	1	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	6	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	6	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	6	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	11	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	11	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	11	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	12	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	12	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	12	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	19	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	19	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	19	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD11	20	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD12	20	0.11
(1,384)	1:175:A:ILE:HA	1:175:A:ILE:HD13	20	0.11
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	1	0.11
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	10	0.11
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	20	0.11
(1,320)	1:154:A:ILE:H	1:154:A:ILE:HB	8	0.11
(1,118)	1:58:A:GLU:H	1:58:A:GLU:HG3	9	0.11
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	5	0.11
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	5	0.11
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD11	10	0.11
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD12	10	0.11
(1,35)	1:24:A:LEU:HA	1:24:A:LEU:HD13	10	0.11
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	0.11
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	0.11
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	0.11
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD21	11	0.11
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD22	11	0.11
(1,33)	1:24:A:LEU:HA	1:24:A:LEU:HD23	11	0.11
(1,28)	1:22:A:ILE:H	1:22:A:ILE:HG13	15	0.11
(1,2833)	1:188:A:GLU:HB2	1:189:A:MET:H	4	0.1
(1,2833)	1:188:A:GLU:HB3	1:189:A:MET:H	4	0.1
(1,2788)	1:173:A:GLU:HG2	1:174:A:LEU:H	4	0.1
(1,2788)	1:173:A:GLU:HG3	1:174:A:LEU:H	4	0.1
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD11	10	0.1
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD12	10	0.1
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD13	10	0.1
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD21	10	0.1
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD22	10	0.1
(1,2721)	1:149:A:LEU:HA	1:149:A:LEU:HD23	10	0.1
(1,2701)	1:136:A:LYS:HB2	1:150:A:VAL:HG11	4	0.1
(1,2701)	1:136:A:LYS:HB2	1:150:A:VAL:HG12	4	0.1
(1,2701)	1:136:A:LYS:HB2	1:150:A:VAL:HG13	4	0.1
(1,2701)	1:136:A:LYS:HB2	1:150:A:VAL:HG21	4	0.1
(1,2701)	1:136:A:LYS:HB2	1:150:A:VAL:HG22	4	0.1
(1,2701)	1:136:A:LYS:HB2	1:150:A:VAL:HG23	4	0.1
(1,2701)	1:136:A:LYS:HB3	1:150:A:VAL:HG11	4	0.1
(1,2701)	1:136:A:LYS:HB3	1:150:A:VAL:HG12	4	0.1
(1,2701)	1:136:A:LYS:HB3	1:150:A:VAL:HG13	4	0.1
(1,2701)	1:136:A:LYS:HB3	1:150:A:VAL:HG21	4	0.1
(1,2701)	1:136:A:LYS:HB3	1:150:A:VAL:HG22	4	0.1
(1,2701)	1:136:A:LYS:HB3	1:150:A:VAL:HG23	4	0.1
(1,2697)	1:135:A:PRO:HD2	1:171:A:ILE:H	1	0.1
(1,2697)	1:135:A:PRO:HD3	1:171:A:ILE:H	1	0.1
(1,2604)	1:121:A:LYS:HE2	1:122:A:ALA:H	6	0.1
(1,2604)	1:121:A:LYS:HE3	1:122:A:ALA:H	6	0.1
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	7	0.1
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	7	0.1
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB2	18	0.1
(1,2589)	1:120:A:ILE:HA	1:123:A:LYS:HB3	18	0.1
(1,2536)	1:108:A:LYS:HG2	1:109:A:ILE:H	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:108:A:LYS:HG3	1:109:A:ILE:H	20	0.1
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD11	20	0.1
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD12	20	0.1
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD13	20	0.1
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD21	20	0.1
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD22	20	0.1
(1,2527)	1:102:A:LEU:HA	1:102:A:LEU:HD23	20	0.1
(1,2517)	1:97:A:VAL:HG11	1:156:A:VAL:H	2	0.1
(1,2517)	1:97:A:VAL:HG12	1:156:A:VAL:H	2	0.1
(1,2517)	1:97:A:VAL:HG13	1:156:A:VAL:H	2	0.1
(1,2517)	1:97:A:VAL:HG21	1:156:A:VAL:H	2	0.1
(1,2517)	1:97:A:VAL:HG22	1:156:A:VAL:H	2	0.1
(1,2517)	1:97:A:VAL:HG23	1:156:A:VAL:H	2	0.1
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	4	0.1
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	4	0.1
(1,2444)	1:82:A:GLU:HG2	1:83:A:ASP:H	14	0.1
(1,2444)	1:82:A:GLU:HG3	1:83:A:ASP:H	14	0.1
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	11	0.1
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	11	0.1
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	11	0.1
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	11	0.1
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	18	0.1
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	18	0.1
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	18	0.1
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	18	0.1
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD21	20	0.1
(1,2274)	1:43:A:ASN:HB2	1:44:A:ASN:HD22	20	0.1
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD21	20	0.1
(1,2274)	1:43:A:ASN:HB3	1:44:A:ASN:HD22	20	0.1
(1,2272)	1:42:A:VAL:HG11	1:44:A:ASN:H	12	0.1
(1,2272)	1:42:A:VAL:HG12	1:44:A:ASN:H	12	0.1
(1,2272)	1:42:A:VAL:HG13	1:44:A:ASN:H	12	0.1
(1,2272)	1:42:A:VAL:HG21	1:44:A:ASN:H	12	0.1
(1,2272)	1:42:A:VAL:HG22	1:44:A:ASN:H	12	0.1
(1,2272)	1:42:A:VAL:HG23	1:44:A:ASN:H	12	0.1
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG11	2	0.1
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG12	2	0.1
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG13	2	0.1
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG21	2	0.1
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG22	2	0.1
(1,2266)	1:41:A:LYS:HE2	1:114:A:VAL:HG23	2	0.1
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG11	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG12	2	0.1
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG13	2	0.1
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG21	2	0.1
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG22	2	0.1
(1,2266)	1:41:A:LYS:HE3	1:114:A:VAL:HG23	2	0.1
(1,2239)	1:38:A:LEU:HD11	1:39:A:LYS:H	16	0.1
(1,2239)	1:38:A:LEU:HD12	1:39:A:LYS:H	16	0.1
(1,2239)	1:38:A:LEU:HD13	1:39:A:LYS:H	16	0.1
(1,2239)	1:38:A:LEU:HD21	1:39:A:LYS:H	16	0.1
(1,2239)	1:38:A:LEU:HD22	1:39:A:LYS:H	16	0.1
(1,2239)	1:38:A:LEU:HD23	1:39:A:LYS:H	16	0.1
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD11	12	0.1
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD12	12	0.1
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD13	12	0.1
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD21	12	0.1
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD22	12	0.1
(1,2191)	1:32:A:TYR:HD1	1:191:A:LEU:HD23	12	0.1
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD11	12	0.1
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD12	12	0.1
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD13	12	0.1
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD21	12	0.1
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD22	12	0.1
(1,2191)	1:32:A:TYR:HD2	1:191:A:LEU:HD23	12	0.1
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB2	9	0.1
(1,2188)	1:32:A:TYR:HA	1:35:A:SER:HB3	9	0.1
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD1	15	0.1
(1,2146)	1:24:A:LEU:HD11	1:32:A:TYR:HD2	15	0.1
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD1	15	0.1
(1,2146)	1:24:A:LEU:HD12	1:32:A:TYR:HD2	15	0.1
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD1	15	0.1
(1,2146)	1:24:A:LEU:HD13	1:32:A:TYR:HD2	15	0.1
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD1	15	0.1
(1,2146)	1:24:A:LEU:HD21	1:32:A:TYR:HD2	15	0.1
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD1	15	0.1
(1,2146)	1:24:A:LEU:HD22	1:32:A:TYR:HD2	15	0.1
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD1	15	0.1
(1,2146)	1:24:A:LEU:HD23	1:32:A:TYR:HD2	15	0.1
(1,2130)	1:21:A:LEU:HD11	1:59:A:TYR:HA	4	0.1
(1,2130)	1:21:A:LEU:HD12	1:59:A:TYR:HA	4	0.1
(1,2130)	1:21:A:LEU:HD13	1:59:A:TYR:HA	4	0.1
(1,2130)	1:21:A:LEU:HD21	1:59:A:TYR:HA	4	0.1
(1,2130)	1:21:A:LEU:HD22	1:59:A:TYR:HA	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:21:A:LEU:HD23	1:59:A:TYR:HA	4	0.1
(1,2123)	1:21:A:LEU:HD11	1:22:A:ILE:H	7	0.1
(1,2123)	1:21:A:LEU:HD12	1:22:A:ILE:H	7	0.1
(1,2123)	1:21:A:LEU:HD13	1:22:A:ILE:H	7	0.1
(1,2123)	1:21:A:LEU:HD21	1:22:A:ILE:H	7	0.1
(1,2123)	1:21:A:LEU:HD22	1:22:A:ILE:H	7	0.1
(1,2123)	1:21:A:LEU:HD23	1:22:A:ILE:H	7	0.1
(1,2073)	1:4:A:LEU:HD11	1:87:A:CYS:HA	4	0.1
(1,2073)	1:4:A:LEU:HD12	1:87:A:CYS:HA	4	0.1
(1,2073)	1:4:A:LEU:HD13	1:87:A:CYS:HA	4	0.1
(1,2073)	1:4:A:LEU:HD21	1:87:A:CYS:HA	4	0.1
(1,2073)	1:4:A:LEU:HD22	1:87:A:CYS:HA	4	0.1
(1,2073)	1:4:A:LEU:HD23	1:87:A:CYS:HA	4	0.1
(1,2063)	1:4:A:LEU:HD11	1:46:A:PHE:HA	9	0.1
(1,2063)	1:4:A:LEU:HD12	1:46:A:PHE:HA	9	0.1
(1,2063)	1:4:A:LEU:HD13	1:46:A:PHE:HA	9	0.1
(1,2063)	1:4:A:LEU:HD21	1:46:A:PHE:HA	9	0.1
(1,2063)	1:4:A:LEU:HD22	1:46:A:PHE:HA	9	0.1
(1,2063)	1:4:A:LEU:HD23	1:46:A:PHE:HA	9	0.1
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE1	11	0.1
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE2	11	0.1
(1,2061)	1:4:A:LEU:HD11	1:6:A:MET:HE3	11	0.1
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE1	11	0.1
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE2	11	0.1
(1,2061)	1:4:A:LEU:HD12	1:6:A:MET:HE3	11	0.1
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE1	11	0.1
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE2	11	0.1
(1,2061)	1:4:A:LEU:HD13	1:6:A:MET:HE3	11	0.1
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE1	11	0.1
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE2	11	0.1
(1,2061)	1:4:A:LEU:HD21	1:6:A:MET:HE3	11	0.1
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE1	11	0.1
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE2	11	0.1
(1,2061)	1:4:A:LEU:HD22	1:6:A:MET:HE3	11	0.1
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE1	11	0.1
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE2	11	0.1
(1,2061)	1:4:A:LEU:HD23	1:6:A:MET:HE3	11	0.1
(1,2049)	1:4:A:LEU:H	1:96:A:LEU:HD11	10	0.1
(1,2049)	1:4:A:LEU:H	1:96:A:LEU:HD12	10	0.1
(1,2049)	1:4:A:LEU:H	1:96:A:LEU:HD13	10	0.1
(1,2049)	1:4:A:LEU:H	1:96:A:LEU:HD21	10	0.1
(1,2049)	1:4:A:LEU:H	1:96:A:LEU:HD22	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2049)	1:4:A:LEU:H	1:96:A:LEU:HD23	10	0.1
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG2	6	0.1
(1,2031)	1:1:A:MET:HE1	1:94:A:PRO:HG3	6	0.1
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG2	6	0.1
(1,2031)	1:1:A:MET:HE2	1:94:A:PRO:HG3	6	0.1
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG2	6	0.1
(1,2031)	1:1:A:MET:HE3	1:94:A:PRO:HG3	6	0.1
(1,2013)	1:95:A:PHE:HZ	1:160:A:LYS:H	20	0.1
(1,1991)	1:91:A:PHE:H	1:93:A:GLU:H	4	0.1
(1,1977)	1:134:A:ILE:HG21	1:173:A:GLU:H	16	0.1
(1,1977)	1:134:A:ILE:HG22	1:173:A:GLU:H	16	0.1
(1,1977)	1:134:A:ILE:HG23	1:173:A:GLU:H	16	0.1
(1,1975)	1:120:A:ILE:HD11	1:167:A:GLU:H	9	0.1
(1,1975)	1:120:A:ILE:HD12	1:167:A:GLU:H	9	0.1
(1,1975)	1:120:A:ILE:HD13	1:167:A:GLU:H	9	0.1
(1,1974)	1:129:A:ALA:HB1	1:167:A:GLU:H	10	0.1
(1,1974)	1:129:A:ALA:HB2	1:167:A:GLU:H	10	0.1
(1,1974)	1:129:A:ALA:HB3	1:167:A:GLU:H	10	0.1
(1,1966)	1:164:A:GLN:HG3	1:164:A:GLN:HE22	9	0.1
(1,1964)	1:160:A:LYS:H	1:164:A:GLN:HE21	4	0.1
(1,1939)	1:178:A:ILE:HD11	1:187:A:ALA:H	4	0.1
(1,1939)	1:178:A:ILE:HD12	1:187:A:ALA:H	4	0.1
(1,1939)	1:178:A:ILE:HD13	1:187:A:ALA:H	4	0.1
(1,1820)	1:53:A:THR:H	1:55:A:LYS:H	9	0.1
(1,1815)	1:63:A:ALA:H	1:65:A:LYS:H	19	0.1
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	16	0.1
(1,1652)	1:164:A:GLN:H	1:164:A:GLN:HB2	17	0.1
(1,1631)	1:134:A:ILE:H	1:134:A:ILE:HB	9	0.1
(1,1625)	1:128:A:GLU:H	1:128:A:GLU:HG2	20	0.1
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD21	5	0.1
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD22	5	0.1
(1,1490)	1:21:A:LEU:H	1:21:A:LEU:HD23	5	0.1
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD21	1	0.1
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD22	1	0.1
(1,1485)	1:4:A:LEU:H	1:4:A:LEU:HD23	1	0.1
(1,1473)	1:188:A:GLU:HG3	1:189:A:MET:H	10	0.1
(1,1246)	1:42:A:VAL:H	1:43:A:ASN:H	9	0.1
(1,1211)	1:6:A:MET:HE1	1:7:A:ALA:H	2	0.1
(1,1211)	1:6:A:MET:HE2	1:7:A:ALA:H	2	0.1
(1,1211)	1:6:A:MET:HE3	1:7:A:ALA:H	2	0.1
(1,1210)	1:6:A:MET:HG3	1:7:A:ALA:H	7	0.1
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG21	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG22	9	0.1
(1,1133)	1:87:A:CYS:HA	1:88:A:ILE:HG23	9	0.1
(1,1117)	1:4:A:LEU:HD11	1:84:A:LEU:HA	12	0.1
(1,1117)	1:4:A:LEU:HD12	1:84:A:LEU:HA	12	0.1
(1,1117)	1:4:A:LEU:HD13	1:84:A:LEU:HA	12	0.1
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG11	8	0.1
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG12	8	0.1
(1,1081)	1:133:A:MET:HE1	1:170:A:VAL:HG13	8	0.1
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG11	8	0.1
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG12	8	0.1
(1,1081)	1:133:A:MET:HE2	1:170:A:VAL:HG13	8	0.1
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG11	8	0.1
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG12	8	0.1
(1,1081)	1:133:A:MET:HE3	1:170:A:VAL:HG13	8	0.1
(1,1063)	1:5:A:ILE:HD11	1:38:A:LEU:H	9	0.1
(1,1063)	1:5:A:ILE:HD12	1:38:A:LEU:H	9	0.1
(1,1063)	1:5:A:ILE:HD13	1:38:A:LEU:H	9	0.1
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE1	15	0.1
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE2	15	0.1
(1,1029)	1:112:A:SER:HA	1:169:A:MET:HE3	15	0.1
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG11	3	0.1
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG12	3	0.1
(1,1014)	1:1:A:MET:HE1	1:114:A:VAL:HG13	3	0.1
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG11	3	0.1
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG12	3	0.1
(1,1014)	1:1:A:MET:HE2	1:114:A:VAL:HG13	3	0.1
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG11	3	0.1
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG12	3	0.1
(1,1014)	1:1:A:MET:HE3	1:114:A:VAL:HG13	3	0.1
(1,971)	1:178:A:ILE:HD11	1:187:A:ALA:HA	6	0.1
(1,971)	1:178:A:ILE:HD12	1:187:A:ALA:HA	6	0.1
(1,971)	1:178:A:ILE:HD13	1:187:A:ALA:HA	6	0.1
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	8	0.1
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	8	0.1
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	8	0.1
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG11	16	0.1
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG12	16	0.1
(1,940)	1:95:A:PHE:HZ	1:157:A:VAL:HG13	16	0.1
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG21	4	0.1
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG22	4	0.1
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG23	4	0.1
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG21	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG22	4	0.1
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG23	4	0.1
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG21	12	0.1
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG22	12	0.1
(1,931)	1:117:A:PHE:HE1	1:156:A:VAL:HG23	12	0.1
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG21	12	0.1
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG22	12	0.1
(1,931)	1:117:A:PHE:HE2	1:156:A:VAL:HG23	12	0.1
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD11	13	0.1
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD12	13	0.1
(1,893)	1:117:A:PHE:HD1	1:130:A:LEU:HD13	13	0.1
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD11	13	0.1
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD12	13	0.1
(1,893)	1:117:A:PHE:HD2	1:130:A:LEU:HD13	13	0.1
(1,858)	1:113:A:ILE:HD11	1:156:A:VAL:H	13	0.1
(1,858)	1:113:A:ILE:HD12	1:156:A:VAL:H	13	0.1
(1,858)	1:113:A:ILE:HD13	1:156:A:VAL:H	13	0.1
(1,821)	1:75:A:THR:HG21	1:83:A:ASP:HB3	17	0.1
(1,821)	1:75:A:THR:HG22	1:83:A:ASP:HB3	17	0.1
(1,821)	1:75:A:THR:HG23	1:83:A:ASP:HB3	17	0.1
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG21	17	0.1
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG22	17	0.1
(1,809)	1:73:A:ILE:HD11	1:75:A:THR:HG23	17	0.1
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG21	17	0.1
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG22	17	0.1
(1,809)	1:73:A:ILE:HD12	1:75:A:THR:HG23	17	0.1
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG21	17	0.1
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG22	17	0.1
(1,809)	1:73:A:ILE:HD13	1:75:A:THR:HG23	17	0.1
(1,767)	1:61:A:ASN:HA	1:65:A:LYS:H	4	0.1
(1,614)	1:1:A:MET:HE1	1:114:A:VAL:HA	7	0.1
(1,614)	1:1:A:MET:HE2	1:114:A:VAL:HA	7	0.1
(1,614)	1:1:A:MET:HE3	1:114:A:VAL:HA	7	0.1
(1,525)	1:96:A:LEU:HD21	1:97:A:VAL:H	8	0.1
(1,525)	1:96:A:LEU:HD22	1:97:A:VAL:H	8	0.1
(1,525)	1:96:A:LEU:HD23	1:97:A:VAL:H	8	0.1
(1,520)	1:90:A:TYR:HB3	1:91:A:PHE:H	2	0.1
(1,520)	1:90:A:TYR:HB3	1:91:A:PHE:H	17	0.1
(1,506)	1:81:A:ILE:HB	1:82:A:GLU:H	1	0.1
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	10	0.1
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	10	0.1
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:73:A:ILE:HG21	1:74:A:ASP:H	11	0.1
(1,500)	1:73:A:ILE:HG22	1:74:A:ASP:H	11	0.1
(1,500)	1:73:A:ILE:HG23	1:74:A:ASP:H	11	0.1
(1,493)	1:70:A:ILE:HD11	1:71:A:VAL:H	12	0.1
(1,493)	1:70:A:ILE:HD12	1:71:A:VAL:H	12	0.1
(1,493)	1:70:A:ILE:HD13	1:71:A:VAL:H	12	0.1
(1,442)	1:23:A:LYS:HG3	1:24:A:LEU:H	13	0.1
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	4	0.1
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	6	0.1
(1,441)	1:23:A:LYS:HB3	1:24:A:LEU:H	12	0.1
(1,377)	1:174:A:LEU:HA	1:174:A:LEU:HD11	6	0.1
(1,377)	1:174:A:LEU:HA	1:174:A:LEU:HD12	6	0.1
(1,377)	1:174:A:LEU:HA	1:174:A:LEU:HD13	6	0.1
(1,374)	1:174:A:LEU:H	1:174:A:LEU:HB3	11	0.1
(1,372)	1:174:A:LEU:HA	1:174:A:LEU:HD21	3	0.1
(1,372)	1:174:A:LEU:HA	1:174:A:LEU:HD22	3	0.1
(1,372)	1:174:A:LEU:HA	1:174:A:LEU:HD23	3	0.1
(1,320)	1:154:A:ILE:H	1:154:A:ILE:HB	5	0.1
(1,320)	1:154:A:ILE:H	1:154:A:ILE:HB	20	0.1
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	2	0.1
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	2	0.1
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	2	0.1
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD11	17	0.1
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD12	17	0.1
(1,189)	1:84:A:LEU:H	1:84:A:LEU:HD13	17	0.1
(1,176)	1:81:A:ILE:H	1:81:A:ILE:HG13	13	0.1
(1,129)	1:61:A:ASN:H	1:61:A:ASN:HB3	10	0.1
(1,118)	1:58:A:GLU:H	1:58:A:GLU:HG3	5	0.1

10 Dihedral-angle violation analysis [i](#)

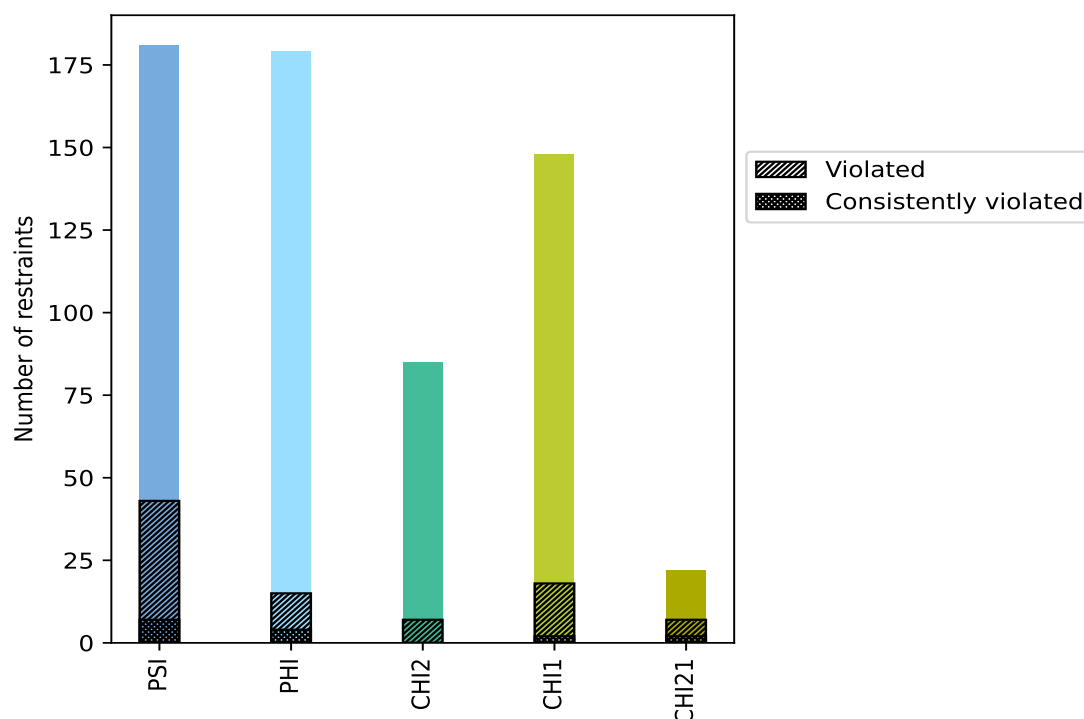
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	181	29.4	43	23.8	7.0	7	3.9	1.1
PHI	179	29.1	15	8.4	2.4	4	2.2	0.7
CHI2	85	13.8	7	8.2	1.1	0	0.0	0.0
CHI1	148	24.1	18	12.2	2.9	2	1.4	0.3
CHI21	22	3.6	7	31.8	1.1	2	9.1	0.3
Total	615	100.0	90	14.6	14.6	15	2.4	2.4

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 [i](#)



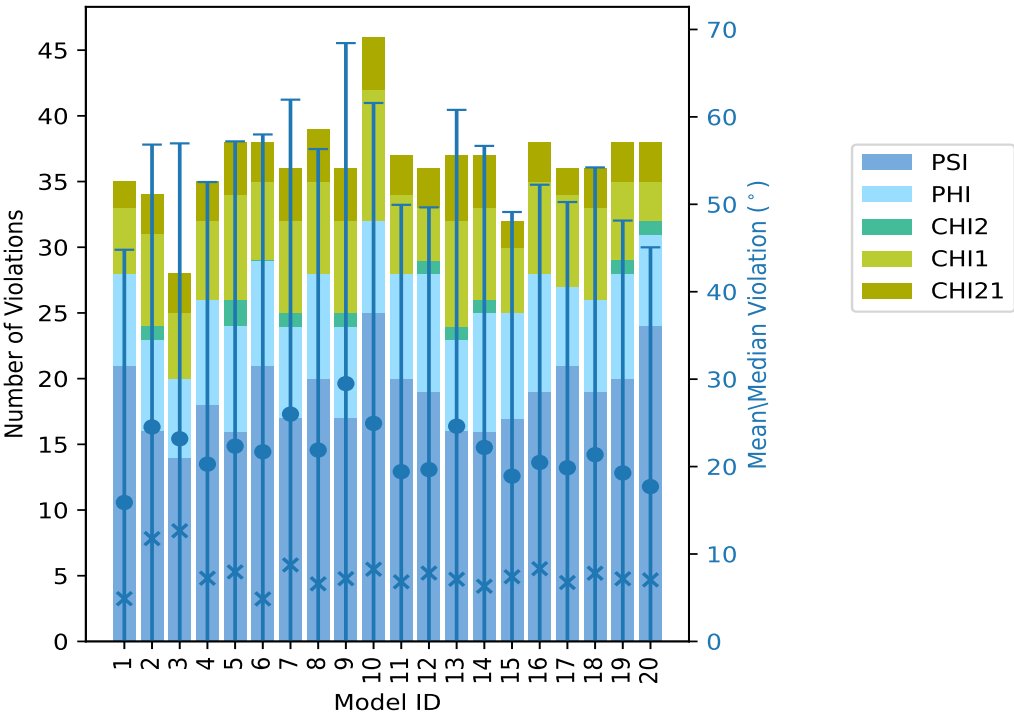
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations						Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	CHI2	CHI1	CHI21	Total				
1	21	7	0	5	2	35	15.89	143.66	28.91	4.89
2	16	7	1	7	3	34	24.53	144.18	32.3	11.76
3	14	6	0	5	3	28	23.18	148.19	33.79	12.66
4	18	8	0	6	3	35	20.28	141.26	32.27	7.23
5	16	8	2	8	4	38	22.34	149.73	34.86	7.95
6	21	8	0	6	3	38	21.69	146.42	36.3	4.86
7	17	7	1	7	4	36	26.0	143.55	35.97	8.75
8	20	8	0	7	4	39	21.89	149.29	34.43	6.59
9	17	7	1	7	4	36	29.49	142.6	38.95	7.18
10	25	7	0	10	4	46	24.94	148.89	36.65	8.26
11	20	8	0	6	3	37	19.42	144.83	30.52	6.82
12	19	9	1	4	3	36	19.65	143.37	30.0	7.82
13	16	7	1	8	5	37	24.62	148.19	36.18	7.11
14	16	9	1	7	4	37	22.19	143.81	34.49	6.31
15	17	8	0	5	2	32	18.91	146.18	30.21	7.4
16	19	9	0	7	3	38	20.47	144.44	31.77	8.32
17	21	6	0	7	2	36	19.86	140.73	30.4	6.74
18	19	7	0	7	3	36	21.36	148.78	32.86	7.8
19	20	8	1	6	3	38	19.27	135.56	28.87	7.17
20	24	7	1	3	3	38	17.71	139.12	27.37	7.04

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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 [i](#)

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

Number of violated restraints						Fraction of the ensemble	
PSI	PHI	CHI2	CHI1	CHI21	Total	Count ¹	%
6	5	5	4	1	21	1	5.0
8	1	1	2	2	14	2	10.0
5	0	1	2	1	9	3	15.0
1	0	0	0	0	1	4	20.0
2	1	0	2	0	5	5	25.0
0	0	0	0	0	0	6	30.0
1	0	0	1	0	2	7	35.0
1	0	0	1	0	2	8	40.0
2	0	0	2	0	4	9	45.0
1	1	0	0	0	2	10	50.0
1	0	0	0	0	1	11	55.0

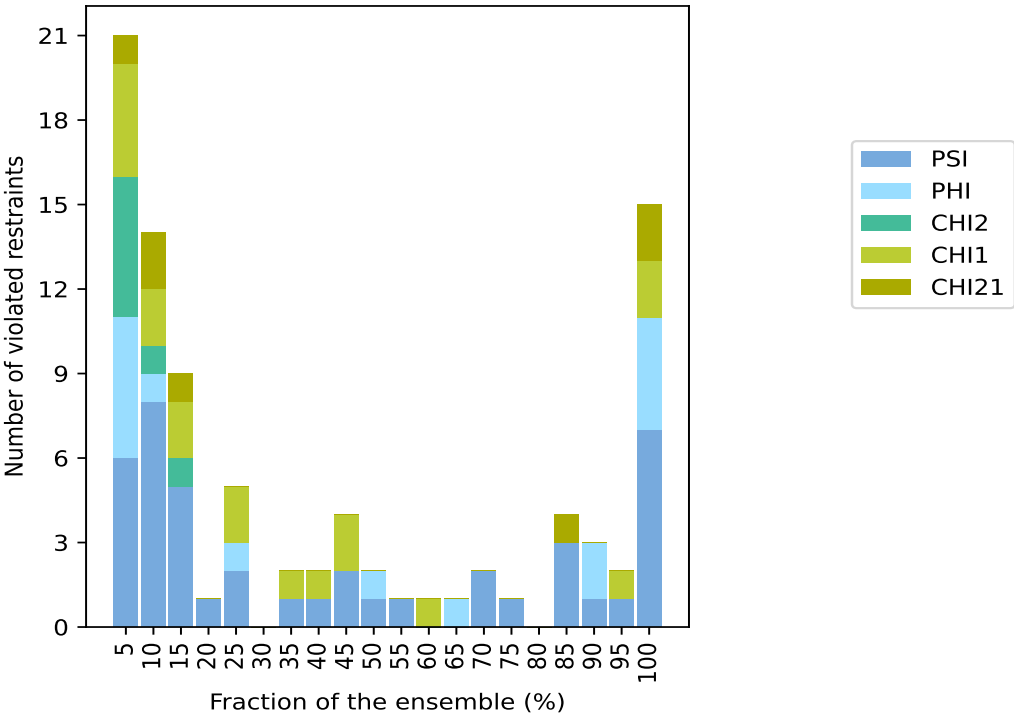
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Number of violated restraints						Fraction of the ensemble	
PSI	PHI	CHI2	CHI1	CHI21	Total	Count ¹	%
0	0	0	1	0	1	12	60.0
0	1	0	0	0	1	13	65.0
2	0	0	0	0	2	14	70.0
1	0	0	0	0	1	15	75.0
0	0	0	0	0	0	16	80.0
3	0	0	0	1	4	17	85.0
1	2	0	0	0	3	18	90.0
1	0	0	1	0	2	19	95.0
7	4	0	2	2	15	20	100.0

¹ Number of models with violations

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

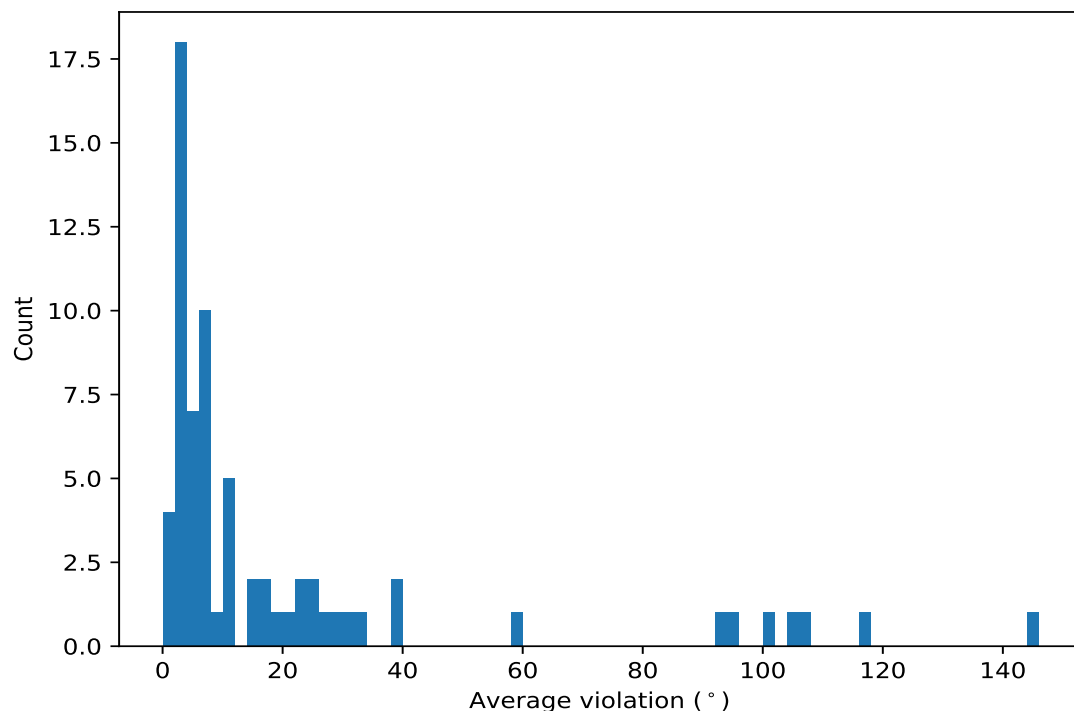


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

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	Medi
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	20	144.28	3.78	144.
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	20	101.09	1.17	100.7
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	20	32.87	0.46	32.9
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	20	25.04	5.0	25.9
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	20	22.64	2.26	22.5
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	20	20.34	2.91	19.8
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	20	18.74	0.87	18.6
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	20	17.08	1.24	16.7
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	20	14.71	1.17	14.6
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	20	14.29	26.12	5.32
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	20	11.92	30.87	4.49
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	20	10.57	2.89	11.0
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	20	7.42	3.01	7.14
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	20	5.83	1.48	5.88
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	20	5.37	1.27	5.33
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	19	10.63	5.49	11.3
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	19	8.38	4.25	8.0
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	18	38.29	25.71	42.8
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	18	6.72	1.43	7.08
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	18	4.51	1.23	4.3

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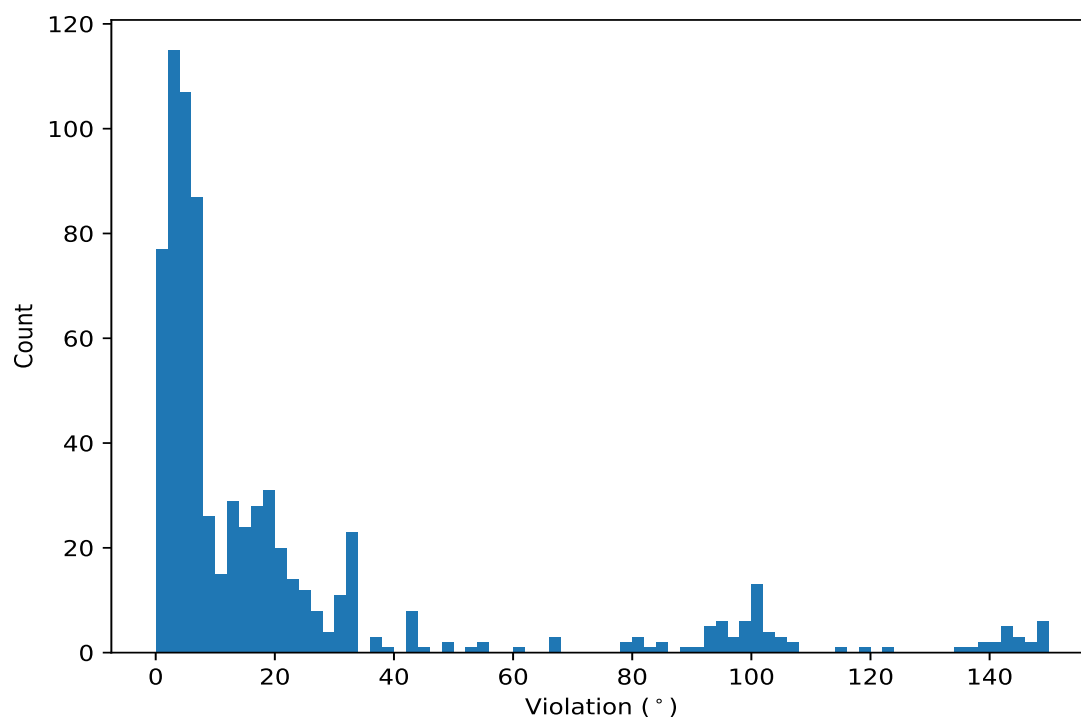
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Medi
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	17	58.99	19.11	43.9
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	17	3.94	0.63	3.84
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	17	3.18	1.38	3.1
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	17	1.87	0.54	1.83
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	15	7.2	2.65	7.07
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	14	3.51	0.96	3.6
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	14	2.41	0.94	2.22
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	13	6.44	1.26	6.72
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	12	95.96	1.91	95.3
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	11	3.77	1.21	3.87
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	10	26.32	33.24	14.6
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	10	1.29	0.27	1.19
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	9	6.2	3.37	6.53
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	9	2.44	0.65	2.25
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	9	2.09	0.57	2.09
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	9	1.6	0.29	1.7
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	8	29.9	2.83	30.8
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	8	4.73	0.83	4.92
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	7	2.81	1.15	2.17
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	7	2.54	0.93	2.49
(1,571)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:CB	1:172:A:ASP:CG	5	93.52	2.71	92.9
(1,374)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:CB	1:74:A:ASP:CG	5	23.8	1.13	23.1
(1,108)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	5	5.01	2.36	6.74
(1,182)	1:165:A:LYS:N	1:165:A:LYS:CA	1:165:A:LYS:C	1:166:A:GLU:N	5	4.27	1.16	4.0
(1,159)	1:135:A:PRO:C	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	5	3.96	2.31	3.36
(1,166)	1:149:A:LEU:N	1:149:A:LEU:CA	1:149:A:LEU:C	1:150:A:VAL:N	4	3.81	1.16	4.06
(1,386)	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	1:81:A:ILE:CD1	3	105.03	0.21	105.1
(1,416)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:CB	1:96:A:LEU:CG	3	30.25	1.62	31.0
(1,244)	1:13:A:ARG:N	1:13:A:ARG:CA	1:13:A:ARG:C	1:14:A:MET:N	3	10.32	4.57	8.3
(1,454)	1:111:A:ASN:CA	1:111:A:ASN:CB	1:111:A:ASN:CG	1:111:A:ASN:OD1	3	7.95	3.1	6.15
(1,423)	1:100:A:SER:N	1:100:A:SER:CA	1:100:A:SER:C	1:101:A:ASP:N	3	7.5	4.75	9.03
(1,158)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:C	1:135:A:PRO:N	3	6.75	2.63	7.59
(1,100)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:GLY:N	3	2.52	0.6	2.36
(1,198)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:ILE:N	3	2.24	0.72	2.67
(1,387)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:CB	1:82:A:GLU:CG	3	1.67	0.68	1.39
(1,456)	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	1:113:A:ILE:CD1	2	116.96	1.5	116.9
(1,537)	1:154:A:ILE:N	1:154:A:ILE:CA	1:154:A:ILE:CB	1:154:A:ILE:CG1	2	107.7	0.04	107.
(1,327)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:CB	1:50:A:SER:OG	2	38.79	1.06	38.7
(1,525)	1:147:A:ASN:N	1:147:A:ASN:CA	1:147:A:ASN:C	1:148:A:GLY:N	2	25.16	5.33	25.1
(1,538)	1:154:A:ILE:CA	1:154:A:ILE:CB	1:154:A:ILE:CG1	1:154:A:ILE:CD1	2	16.43	0.25	16.4
(1,517)	1:145:A:ASP:N	1:145:A:ASP:CA	1:145:A:ASP:C	1:146:A:PHE:N	2	10.72	9.62	10.7
(1,257)	1:18:A:GLU:N	1:18:A:GLU:CA	1:18:A:GLU:C	1:19:A:LYS:N	2	7.2	4.65	7.2
(1,168)	1:154:A:ILE:N	1:154:A:ILE:CA	1:154:A:ILE:C	1:155:A:ASN:N	2	6.24	1.67	6.24
(1,176)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	1:159:A:PRO:N	2	4.18	2.6	4.18
(1,469)	1:121:A:LYS:CA	1:121:A:LYS:CB	1:121:A:LYS:CG	1:121:A:LYS:CD	2	3.46	0.88	3.46
(1,126)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:VAL:N	2	2.54	0.89	2.54
(1,217)	1:189:A:MET:C	1:190:A:LEU:N	1:190:A:LEU:CA	1:190:A:LEU:C	2	2.52	0.32	2.52
(1,500)	1:138:A:LYS:N	1:138:A:LYS:CA	1:138:A:LYS:C	1:139:A:TYR:N	2	2.3	0.73	2.3
(1,46)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:PRO:N	2	2.28	0.43	2.28

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

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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



10.5.2 Table: All violated dihedral-angle restraints [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 (°)
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	5	149.73
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	8	149.29
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	10	148.89
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	18	148.78
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	3	148.19
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	13	148.19
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	6	146.42
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	15	146.18
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	11	144.83
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	16	144.44
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	2	144.18
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	14	143.81
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	1	143.66
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	7	143.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	12	143.37
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	9	142.6
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	4	141.26
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	17	140.73
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	6	139.21
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	20	139.12
(1,411)	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:CB	1:93:A:GLU:CG	10	136.35
(1,268)	1:22:A:ILE:N	1:22:A:ILE:CA	1:22:A:ILE:C	1:23:A:LYS:N	19	135.56
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	5	123.9
(1,456)	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	1:113:A:ILE:CD1	7	118.45
(1,456)	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	1:113:A:ILE:CD1	9	115.46
(1,537)	1:154:A:ILE:N	1:154:A:ILE:CA	1:154:A:ILE:CB	1:154:A:ILE:CG1	10	107.74
(1,537)	1:154:A:ILE:N	1:154:A:ILE:CA	1:154:A:ILE:CB	1:154:A:ILE:CG1	13	107.66
(1,386)	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	1:81:A:ILE:CD1	13	105.19
(1,386)	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	1:81:A:ILE:CD1	8	105.18
(1,386)	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	1:81:A:ILE:CD1	14	104.73
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	14	103.8
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	11	103.12
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	12	102.59
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	1	102.0
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	3	101.72
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	18	101.59
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	20	101.58
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	7	101.57
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	9	101.36
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	5	100.79
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	19	100.76
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	13	100.67
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	16	100.62
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	8	100.45
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	2	100.43
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	17	100.32
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	6	100.26
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	4	99.9
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	10	99.22
(1,332)	1:54:A:PRO:N	1:54:A:PRO:CA	1:54:A:PRO:C	1:55:A:LYS:N	15	99.08
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	6	98.41
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	18	98.39
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	10	98.22
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	9	97.91
(1,571)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:CB	1:172:A:ASP:CG	4	97.7
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	16	97.35
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	11	95.53
(1,571)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:CB	1:172:A:ASP:CG	19	95.21
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	5	95.11
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	2	94.99
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	17	94.95
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	8	94.12
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	13	93.72
(1,571)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:CB	1:172:A:ASP:CG	10	92.92
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	9	92.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,385)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:CB	1:81:A:ILE:CG1	14	92.83
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	7	92.21
(1,571)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:CB	1:172:A:ASP:CG	9	91.91
(1,571)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:CB	1:172:A:ASP:CG	3	89.86
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	12	85.23
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	8	84.83
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	18	82.79
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	7	81.77
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	4	81.66
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	16	81.6
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	9	79.96
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	14	79.53
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	15	67.94
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	2	66.85
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	7	66.06
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	9	60.89
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	1	54.77
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	20	54.56
(1,412)	1:93:A:GLU:CA	1:93:A:GLU:CB	1:93:A:GLU:CG	1:93:A:GLU:CD	2	52.04
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	17	49.85
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	16	48.33
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	20	44.53
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	6	43.92
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	5	43.89
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	2	43.85
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	3	43.66
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	10	43.36
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	11	43.36
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	19	43.16
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	12	43.15
(1,327)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:CB	1:50:A:SER:OG	6	39.85
(1,285)	1:30:A:ILE:CA	1:30:A:ILE:CB	1:30:A:ILE:CG1	1:30:A:ILE:CD1	13	37.75
(1,327)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:CB	1:50:A:SER:OG	9	37.73
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	10	37.44
(1,286)	1:31:A:ASP:N	1:31:A:ASP:CA	1:31:A:ASP:CB	1:31:A:ASP:CG	7	33.7
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	12	33.43
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	19	33.42
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	3	33.34
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	10	33.29
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	5	33.25
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	16	33.18
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	7	33.17
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	15	33.12
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	13	33.1
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	6	32.96
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	17	32.95
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	9	32.84
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	2	32.76
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	8	32.75
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	11	32.68
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	20	32.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	1	32.6
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	18	32.59
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	18	32.47
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	12	32.43
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	2	32.03
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	2	32.02
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	14	31.93
(1,416)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:CB	1:96:A:LEU:CG	10	31.71
(1,325)	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1:47:A:ILE:CD1	4	31.6
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	18	31.39
(1,416)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:CB	1:96:A:LEU:CG	13	31.05
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	17	30.96
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	5	30.94
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	5	30.76
(1,525)	1:147:A:ASN:N	1:147:A:ASN:CA	1:147:A:ASN:C	1:148:A:GLY:N	20	30.49
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	14	30.34
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	4	30.01
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	13	28.75
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	7	28.6
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	19	28.18
(1,416)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:CB	1:96:A:LEU:CG	11	28.0
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	17	27.9
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	8	27.18
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	2	26.9
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	8	26.57
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	11	26.44
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	1	26.42
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	15	26.11
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	2	26.06
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	19	25.73
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	3	25.67
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	20	25.67
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	10	25.61
(1,374)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:CB	1:74:A:ASP:CG	17	25.56
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	19	25.45
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	19	25.41
(1,374)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:CB	1:74:A:ASP:CG	5	24.71
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	18	24.51
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	13	24.41
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	18	24.26
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	7	24.24
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	16	23.94
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	1	23.87
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	13	23.82
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	20	23.79
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	15	23.7
(1,543)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:CB	1:158:A:SER:OG	8	23.63
(1,374)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:CB	1:74:A:ASP:CG	3	23.1
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	16	23.04
(1,374)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:CB	1:74:A:ASP:CG	10	22.93
(1,374)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:CB	1:74:A:ASP:CG	7	22.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	12	22.66
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	12	22.65
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	5	22.39
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	12	22.1
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	2	21.89
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	10	21.86
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	9	21.68
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	11	21.29
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	10	21.22
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	3	21.21
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	6	21.04
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	16	20.95
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	14	20.78
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	9	20.77
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	11	20.7
(1,240)	1:12:A:THR:N	1:12:A:THR:CA	1:12:A:THR:C	1:13:A:ARG:N	8	20.68
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	10	20.56
(1,517)	1:145:A:ASP:N	1:145:A:ASP:CA	1:145:A:ASP:C	1:146:A:PHE:N	2	20.34
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	20	20.29
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	11	20.27
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	3	20.19
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	11	20.18
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	5	20.14
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	4	20.09
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	20	19.96
(1,525)	1:147:A:ASN:N	1:147:A:ASN:CA	1:147:A:ASN:C	1:148:A:GLY:N	17	19.83
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	4	19.57
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	15	19.44
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	13	19.37
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	15	19.37
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	6	19.2
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	15	19.12
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	12	19.08
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	14	18.97
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	17	18.96
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	6	18.95
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	6	18.87
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	12	18.85
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	9	18.83
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	19	18.78
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	3	18.75
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	5	18.73
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	5	18.7
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	2	18.69
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	17	18.67
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	19	18.66
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	7	18.63
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	18	18.59
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	12	18.58
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	7	18.54
(1,80)	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1:75:A:THR:N	17	18.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	6	18.36
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	14	18.31
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	4	18.14
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	2	18.05
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	16	17.95
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	19	17.74
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1	17.72
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	4	17.59
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	20	17.57
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	9	17.56
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	8	17.47
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	14	17.42
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	18	17.4
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	20	17.2
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	18	17.18
(1,107)	1:95:A:PHE:C	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1	17.17
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	7	17.06
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	9	16.96
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	9	16.91
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	13	16.86
(1,538)	1:154:A:ILE:CA	1:154:A:ILE:CB	1:154:A:ILE:CG1	1:154:A:ILE:CD1	13	16.68
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	1	16.66
(1,244)	1:13:A:ARG:N	1:13:A:ARG:CA	1:13:A:ARG:C	1:14:A:MET:N	14	16.65
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	8	16.61
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	10	16.52
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	11	16.4
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	7	16.34
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	4	16.23
(1,572)	1:172:A:ASP:N	1:172:A:ASP:CA	1:172:A:ASP:C	1:173:A:GLU:N	16	16.18
(1,538)	1:154:A:ILE:CA	1:154:A:ILE:CB	1:154:A:ILE:CG1	1:154:A:ILE:CD1	10	16.18
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	11	16.1
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	15	16.08
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	11	15.84
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	16	15.81
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	17	15.79
(1,341)	1:58:A:GLU:CA	1:58:A:GLU:CB	1:58:A:GLU:CG	1:58:A:GLU:CD	14	15.74
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	11	15.72
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	3	15.59
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	17	15.34
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	7	15.33
(1,40)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:C	1:48:A:ALA:N	13	15.15
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	16	15.06
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	6	15.02
(1,81)	1:74:A:ASP:C	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	8	14.96
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	12	14.91
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	5	14.89
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	15	14.87
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	19	14.83
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	20	14.78
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	14	14.63
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	4	14.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	10	14.54
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	3	14.49
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	2	14.46
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	7	14.38
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	10	14.33
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	15	13.97
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	1	13.93
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	8	13.81
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	14	13.8
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	13	13.74
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	2	13.71
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	19	13.61
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	12	13.58
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	18	13.58
(1,395)	1:86:A:GLU:CA	1:86:A:GLU:CB	1:86:A:GLU:CG	1:86:A:GLU:CD	12	13.54
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	19	13.44
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	12	13.44
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	18	13.39
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	6	13.23
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	3	13.22
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	4	13.18
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	15	13.06
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	16	13.02
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	8	13.02
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	3	12.92
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	17	12.89
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	1	12.86
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	19	12.82
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	12	12.48
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	3	12.4
(1,423)	1:100:A:SER:N	1:100:A:SER:CA	1:100:A:SER:C	1:101:A:ASP:N	16	12.39
(1,454)	1:111:A:ASN:CA	1:111:A:ASN:CB	1:111:A:ASN:CG	1:111:A:ASN:OD1	20	12.31
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	16	12.29
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	8	12.26
(1,378)	1:76:A:SER:C	1:77:A:GLY:N	1:77:A:GLY:CA	1:77:A:GLY:C	20	11.93
(1,257)	1:18:A:GLU:N	1:18:A:GLU:CA	1:18:A:GLU:C	1:19:A:LYS:N	10	11.86
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	4	11.78
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	10	11.61
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	17	11.41
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	8	11.36
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	19	11.23
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	10	11.19
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	6	11.14
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	4	10.94
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	18	10.84
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	19	10.81
(1,569)	1:171:A:ILE:CA	1:171:A:ILE:CB	1:171:A:ILE:CG1	1:171:A:ILE:CD1	5	10.45
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	9	10.21
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	16	10.13
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	14	9.84
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	2	9.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,446)	1:107:A:SER:N	1:107:A:SER:CA	1:107:A:SER:C	1:108:A:LYS:N	7	9.73
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	14	9.69
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	5	9.54
(1,158)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:C	1:135:A:PRO:N	15	9.47
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	1	9.26
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	8	9.24
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	16	9.13
(1,423)	1:100:A:SER:N	1:100:A:SER:CA	1:100:A:SER:C	1:101:A:ASP:N	5	9.03
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	17	8.96
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	5	8.95
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	18	8.83
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	11	8.82
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	12	8.8
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	13	8.75
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	6	8.6
(1,104)	1:93:A:GLU:N	1:93:A:GLU:CA	1:93:A:GLU:C	1:94:A:PRO:N	10	8.47
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	18	8.43
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	16	8.35
(1,244)	1:13:A:ARG:N	1:13:A:ARG:CA	1:13:A:ARG:C	1:14:A:MET:N	16	8.3
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	4	8.3
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	5	8.28
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	20	8.16
(1,592)	1:178:A:ILE:N	1:178:A:ILE:CA	1:178:A:ILE:C	1:179:A:ASN:N	10	8.06
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	2	8.0
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	18	7.98
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	11	7.95
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	15	7.92
(1,168)	1:154:A:ILE:N	1:154:A:ILE:CA	1:154:A:ILE:C	1:155:A:ASN:N	10	7.91
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	4	7.89
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	20	7.86
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	2	7.8
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	11	7.79
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	16	7.78
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	7	7.76
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	15	7.65
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	18	7.62
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	5	7.62
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	1	7.61
(1,158)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:C	1:135:A:PRO:N	1	7.59
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	5	7.53
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	8	7.52
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	16	7.51
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	7	7.46
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	7	7.39
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	19	7.35
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	13	7.34
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	7	7.28
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	10	7.25
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	4	7.23
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	4	7.23
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	18	7.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	9	7.18
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	9	7.17
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	17	7.16
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	15	7.14
(1,108)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	10	7.13
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	20	7.11
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	13	7.11
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	20	7.08
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	9	7.07
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	15	7.05
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	9	7.04
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	20	6.99
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	19	6.99
(1,159)	1:135:A:PRO:C	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	7	6.93
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	19	6.93
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	10	6.93
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	18	6.92
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	2	6.88
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	2	6.84
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	12	6.83
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	7	6.83
(1,108)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	11	6.82
(1,176)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	1:159:A:PRO:N	20	6.78
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	15	6.74
(1,108)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	13	6.74
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	12	6.72
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	5	6.68
(1,388)	1:82:A:GLU:CA	1:82:A:GLU:CB	1:82:A:GLU:CG	1:82:A:GLU:CD	9	6.61
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	11	6.61
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	8	6.59
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	4	6.58
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	14	6.55
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	9	6.53
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	6	6.51
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	1	6.51
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	12	6.48
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	6	6.45
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	10	6.43
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	16	6.42
(1,159)	1:135:A:PRO:C	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	9	6.38
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	19	6.36
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	11	6.33
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	17	6.33
(1,182)	1:165:A:LYS:N	1:165:A:LYS:CA	1:165:A:LYS:C	1:166:A:GLU:N	14	6.31
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	20	6.29
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	5	6.24
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	1	6.19
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	12	6.18
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	18	6.16
(1,454)	1:111:A:ASN:CA	1:111:A:ASN:CB	1:111:A:ASN:CG	1:111:A:ASN:OD1	19	6.15
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	8	6.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	3	6.1
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	8	6.08
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	14	6.08
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	3	6.07
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	3	6.07
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	4	6.06
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	9	6.02
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	13	6.02
(1,244)	1:13:A:ARG:N	1:13:A:ARG:CA	1:13:A:ARG:C	1:14:A:MET:N	20	6.01
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	19	5.96
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	1	5.96
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	15	5.94
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	14	5.92
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	10	5.83
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	10	5.81
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	15	5.8
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	12	5.64
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	18	5.62
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	5	5.61
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	12	5.61
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	17	5.61
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	8	5.59
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	19	5.51
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	8	5.5
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	5	5.49
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	17	5.43
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	20	5.4
(1,454)	1:111:A:ASN:CA	1:111:A:ASN:CB	1:111:A:ASN:CG	1:111:A:ASN:OD1	7	5.38
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	16	5.38
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	17	5.37
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	13	5.31
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	17	5.31
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	19	5.29
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	9	5.26
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	8	5.19
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	10	5.19
(1,166)	1:149:A:LEU:N	1:149:A:LEU:CA	1:149:A:LEU:C	1:150:A:VAL:N	3	5.16
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	20	5.09
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	6	5.07
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	14	5.01
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	16	4.99
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	3	4.99
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	11	4.99
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	10	4.92
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	13	4.92
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	20	4.9
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	1	4.89
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	2	4.88
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	7	4.87
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	20	4.87
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	14	4.85

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	19	4.84
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	14	4.8
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	15	4.77
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	12	4.76
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	11	4.75
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	2	4.71
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	7	4.71
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	4	4.69
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	14	4.69
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	10	4.69
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	17	4.66
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	19	4.65
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	6	4.65
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	13	4.65
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	11	4.64
(1,182)	1:165:A:LYS:N	1:165:A:LYS:CA	1:165:A:LYS:C	1:166:A:GLU:N	11	4.63
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	19	4.61
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	3	4.61
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	20	4.61
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	6	4.6
(1,206)	1:183:A:ASP:N	1:183:A:ASP:CA	1:183:A:ASP:C	1:184:A:LEU:N	6	4.6
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	14	4.57
(1,168)	1:154:A:ILE:N	1:154:A:ILE:CA	1:154:A:ILE:C	1:155:A:ASN:N	13	4.57
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	4	4.55
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	10	4.53
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	6	4.53
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	15	4.53
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	6	4.5
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	18	4.47
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	16	4.47
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	10	4.43
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	17	4.41
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	3	4.4
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	8	4.39
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	4	4.39
(1,455)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:CB	1:113:A:ILE:CG1	2	4.35
(1,469)	1:121:A:LYS:CA	1:121:A:LYS:CB	1:121:A:LYS:CG	1:121:A:LYS:CD	13	4.34
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	12	4.34
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	14	4.32
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	15	4.32
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	2	4.29
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	1	4.28
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	6	4.28
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	20	4.26
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	4	4.25
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	6	4.23
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	11	4.22
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	7	4.19
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	18	4.18
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	16	4.16
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	14	4.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	4	4.15
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	5	4.12
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	17	4.12
(1,568)	1:171:A:ILE:N	1:171:A:ILE:CA	1:171:A:ILE:CB	1:171:A:ILE:CG1	5	4.11
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	11	4.09
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	1	4.08
(1,166)	1:149:A:LEU:N	1:149:A:LEU:CA	1:149:A:LEU:C	1:150:A:VAL:N	5	4.08
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	18	4.08
(1,166)	1:149:A:LEU:N	1:149:A:LEU:CA	1:149:A:LEU:C	1:150:A:VAL:N	18	4.04
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	12	4.03
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	13	4.01
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	8	4.0
(1,182)	1:165:A:LYS:N	1:165:A:LYS:CA	1:165:A:LYS:C	1:166:A:GLU:N	20	4.0
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	19	4.0
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	9	3.99
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	11	3.98
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	10	3.98
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	12	3.97
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	13	3.96
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	2	3.96
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	3	3.95
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	17	3.87
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	13	3.86
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	13	3.85
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	15	3.84
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	5	3.84
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	1	3.82
(1,452)	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1:110:A:ILE:CD1	15	3.78
(1,177)	1:162:A:GLY:C	1:163:A:TYR:N	1:163:A:TYR:CA	1:163:A:TYR:C	17	3.74
(1,79)	1:73:A:ILE:C	1:74:A:ASP:N	1:74:A:ASP:CA	1:74:A:ASP:C	16	3.74
(1,63)	1:61:A:ASN:C	1:62:A:SER:N	1:62:A:SER:CA	1:62:A:SER:C	14	3.74
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	18	3.72
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	9	3.71
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	4	3.7
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	19	3.64
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	4	3.6
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	18	3.59
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	13	3.59
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	16	3.57
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	13	3.55
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	18	3.55
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	8	3.53
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	8	3.53
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1	3.51
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	11	3.5
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	11	3.5
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	7	3.47
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	6	3.47
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	6	3.44
(1,126)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:VAL:N	9	3.43
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	11	3.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,182)	1:165:A:LYS:N	1:165:A:LYS:CA	1:165:A:LYS:C	1:166:A:GLU:N	18	3.38
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	17	3.38
(1,159)	1:135:A:PRO:C	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	11	3.36
(1,100)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:GLY:N	15	3.33
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	2	3.32
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	7	3.32
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	20	3.32
(1,188)	1:168:A:ILE:N	1:168:A:ILE:CA	1:168:A:ILE:C	1:169:A:MET:N	3	3.31
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	1	3.31
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	10	3.29
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	18	3.24
(1,45)	1:49:A:THR:C	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	13	3.23
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	10	3.22
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	18	3.21
(1,158)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:C	1:135:A:PRO:N	20	3.19
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	14	3.18
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	4	3.14
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	15	3.13
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	8	3.13
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	1	3.13
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	8	3.1
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	19	3.1
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	11	3.1
(1,83)	1:77:A:GLY:C	1:78:A:LYS:N	1:78:A:LYS:CA	1:78:A:LYS:C	3	3.07
(1,82)	1:75:A:THR:N	1:75:A:THR:CA	1:75:A:THR:C	1:76:A:SER:N	9	3.06
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	1	3.05
(1,500)	1:138:A:LYS:N	1:138:A:LYS:CA	1:138:A:LYS:C	1:139:A:TYR:N	1	3.03
(1,182)	1:165:A:LYS:N	1:165:A:LYS:CA	1:165:A:LYS:C	1:166:A:GLU:N	5	3.03
(1,70)	1:66:A:ASP:N	1:66:A:ASP:CA	1:66:A:ASP:C	1:67:A:TYR:N	3	3.02
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	20	3.01
(1,108)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	6	2.98
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	14	2.98
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	9	2.96
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	1	2.9
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	13	2.9
(1,217)	1:189:A:MET:C	1:190:A:LEU:N	1:190:A:LEU:CA	1:190:A:LEU:C	5	2.84
(1,198)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:ILE:N	6	2.83
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	8	2.81
(1,10)	1:6:A:MET:N	1:6:A:MET:CA	1:6:A:MET:C	1:7:A:ALA:N	19	2.81
(1,68)	1:64:A:TYR:N	1:64:A:TYR:CA	1:64:A:TYR:C	1:65:A:LYS:N	1	2.79
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	12	2.77
(1,46)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:PRO:N	6	2.71
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	16	2.69
(1,198)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:ILE:N	9	2.67
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	2	2.62
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	6	2.61
(1,387)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:CB	1:82:A:GLU:CG	13	2.6
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	1	2.59
(1,469)	1:121:A:LYS:CA	1:121:A:LYS:CB	1:121:A:LYS:CG	1:121:A:LYS:CD	5	2.57
(1,257)	1:18:A:GLU:N	1:18:A:GLU:CA	1:18:A:GLU:C	1:19:A:LYS:N	6	2.55
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	19	2.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	6	2.52
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	8	2.49
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	7	2.48
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	16	2.44
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	16	2.39
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	17	2.36
(1,100)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:GLY:N	16	2.36
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	20	2.33
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	10	2.31
(1,20)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:ILE:N	1	2.29
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	4	2.27
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	2	2.26
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	16	2.25
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	15	2.22
(1,217)	1:189:A:MET:C	1:190:A:LEU:N	1:190:A:LEU:CA	1:190:A:LEU:C	6	2.2
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	14	2.19
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	4	2.17
(1,147)	1:125:A:PRO:C	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	14	2.14
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	11	2.13
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	5	2.11
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	17	2.09
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	19	2.09
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	18	2.07
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	18	2.06
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	3	2.03
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	5	2.02
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	1	2.0
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	17	1.97
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	8	1.96
(1,166)	1:149:A:LEU:N	1:149:A:LEU:CA	1:149:A:LEU:C	1:150:A:VAL:N	14	1.96
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	7	1.95
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	5	1.94
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	8	1.94
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	14	1.94
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	3	1.92
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	13	1.9
(1,100)	1:88:A:ILE:N	1:88:A:ILE:CA	1:88:A:ILE:C	1:89:A:GLY:N	5	1.88
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	15	1.87
(1,46)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:PRO:N	9	1.85
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	8	1.83
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	15	1.83
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	6	1.83
(1,507)	1:141:A:ASN:N	1:141:A:ASN:CA	1:141:A:ASN:C	1:142:A:PRO:N	5	1.82
(1,272)	1:23:A:LYS:N	1:23:A:LYS:CA	1:23:A:LYS:C	1:24:A:LEU:N	10	1.82
(1,14)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:CYS:N	15	1.82
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	10	1.81
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	8	1.77
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	9	1.73
(1,196)	1:173:A:GLU:N	1:173:A:GLU:CA	1:173:A:GLU:C	1:174:A:LEU:N	20	1.72
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	8	1.72
(1,159)	1:135:A:PRO:C	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	16	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	7	1.7
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	1	1.69
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	10	1.69
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	19	1.66
(1,126)	1:113:A:ILE:N	1:113:A:ILE:CA	1:113:A:ILE:C	1:114:A:VAL:N	7	1.65
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	13	1.64
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	19	1.63
(1,465)	1:119:A:CYS:N	1:119:A:CYS:CA	1:119:A:CYS:CB	1:119:A:CYS:SG	4	1.6
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	2	1.6
(1,223)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	14	1.58
(1,176)	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	1:159:A:PRO:N	10	1.58
(1,500)	1:138:A:LYS:N	1:138:A:LYS:CA	1:138:A:LYS:C	1:139:A:TYR:N	17	1.57
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	1	1.57
(1,31)	1:34:A:VAL:C	1:35:A:SER:N	1:35:A:SER:CA	1:35:A:SER:C	4	1.56
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	12	1.54
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	17	1.51
(1,221)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:CB	1:2:A:ASP:CG	1	1.5
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	12	1.5
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	17	1.49
(1,175)	1:157:A:VAL:C	1:158:A:SER:N	1:158:A:SER:CA	1:158:A:SER:C	2	1.43
(1,90)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:C	1:83:A:ASP:N	9	1.43
(1,159)	1:135:A:PRO:C	1:136:A:LYS:N	1:136:A:LYS:CA	1:136:A:LYS:C	12	1.42
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	16	1.41
(1,108)	1:96:A:LEU:N	1:96:A:LEU:CA	1:96:A:LEU:C	1:97:A:VAL:N	8	1.4
(1,387)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:CB	1:82:A:GLU:CG	7	1.39
(1,490)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:CB	1:134:A:ILE:CG1	20	1.31
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	16	1.31
(1,74)	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	1:72:A:VAL:N	10	1.3
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	10	1.3
(1,324)	1:47:A:ILE:N	1:47:A:ILE:CA	1:47:A:ILE:CB	1:47:A:ILE:CG1	16	1.27
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	4	1.27
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	11	1.27
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	19	1.27
(1,595)	1:179:A:ASN:CA	1:179:A:ASN:CB	1:179:A:ASN:CG	1:179:A:ASN:OD1	5	1.25
(1,198)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:ILE:N	12	1.22
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	6	1.2
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	7	1.19
(1,65)	1:62:A:SER:C	1:63:A:ALA:N	1:63:A:ALA:CA	1:63:A:ALA:C	14	1.17
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	12	1.17
(1,451)	1:110:A:ILE:N	1:110:A:ILE:CA	1:110:A:ILE:CB	1:110:A:ILE:CG1	11	1.14
(1,180)	1:164:A:GLN:N	1:164:A:GLN:CA	1:164:A:GLN:C	1:165:A:LYS:N	12	1.14
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	9	1.12
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	20	1.12
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	2	1.1
(1,29)	1:33:A:VAL:C	1:34:A:VAL:N	1:34:A:VAL:CA	1:34:A:VAL:C	1	1.1
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	11	1.1
(1,517)	1:145:A:ASP:N	1:145:A:ASP:CA	1:145:A:ASP:C	1:146:A:PHE:N	17	1.09
(1,148)	1:126:A:ASP:N	1:126:A:ASP:CA	1:126:A:ASP:C	1:127:A:VAL:N	20	1.08
(1,423)	1:100:A:SER:N	1:100:A:SER:CA	1:100:A:SER:C	1:101:A:ASP:N	12	1.07
(1,92)	1:83:A:ASP:N	1:83:A:ASP:CA	1:83:A:ASP:C	1:84:A:LEU:N	18	1.03
(1,88)	1:81:A:ILE:N	1:81:A:ILE:CA	1:81:A:ILE:C	1:82:A:GLU:N	2	1.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:ALA:N	4	1.02
(1,387)	1:82:A:GLU:N	1:82:A:GLU:CA	1:82:A:GLU:CB	1:82:A:GLU:CG	6	1.01