



Full wwPDB NMR Structure Validation Report ⓘ

Mar 6, 2026 – 05:21 AM UTC

PDB ID : 5NBB / pdb_00005nbb
BMRB ID : 34111
Title : Structure of the C-terminal domain of the Escherichia Coli ProQ RNA binding protein
Authors : Gonzales, G.; Hardwick, S.; Maslen, S.; Skehel, M.; Holmqvist, E.; Vogel, J.; Bateman, A.; Luisi, B.; Broadhurst, R.
Deposited on : 2017-03-01

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

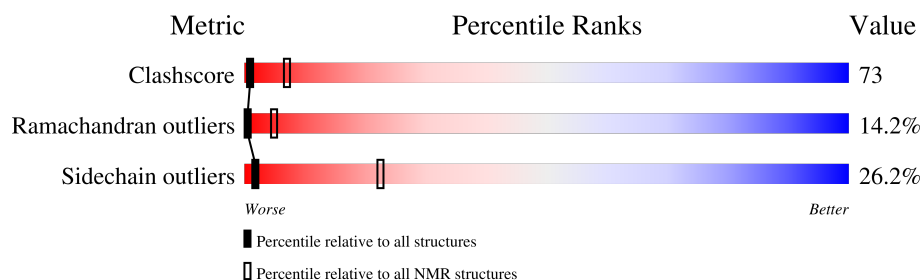
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

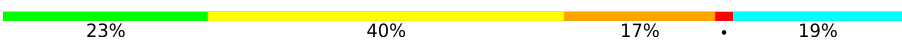
The overall completeness of chemical shifts assignment is 80%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	53	

2 Ensemble composition and analysis

This entry contains 20 models. Model 14 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:183-A:193, A:201-A:232 (43)	0.31	14

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 2 clusters and 3 single-model clusters were found.

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 807 atoms, of which 416 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called RNA chaperone ProQ.

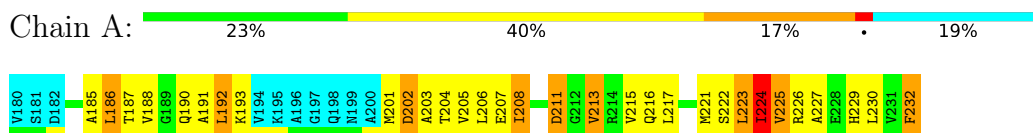
Mol	Chain	Residues	Atoms						Trace
1	A	53	Total	C	H	N	O	S	0
			807	244	416	69	76	2	

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: RNA chaperone ProQ

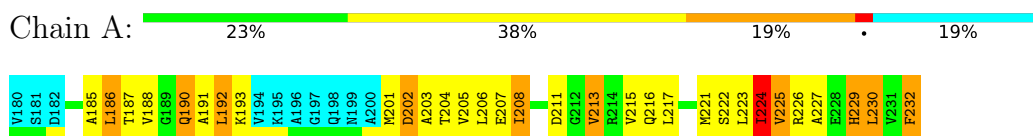


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

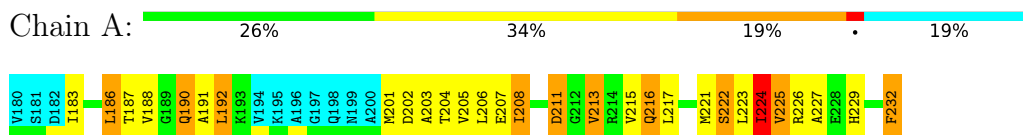
4.2.1 Score per residue for model 1

- Molecule 1: RNA chaperone ProQ



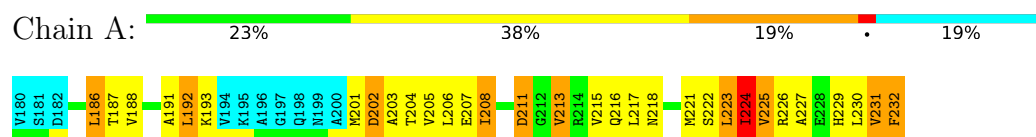
4.2.2 Score per residue for model 2

- Molecule 1: RNA chaperone ProQ



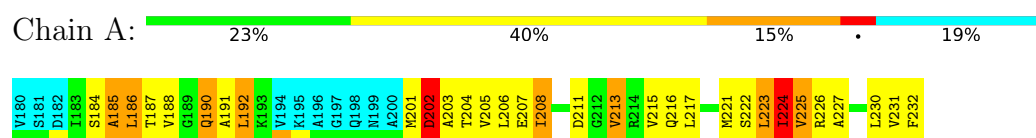
4.2.3 Score per residue for model 3

- Molecule 1: RNA chaperone ProQ



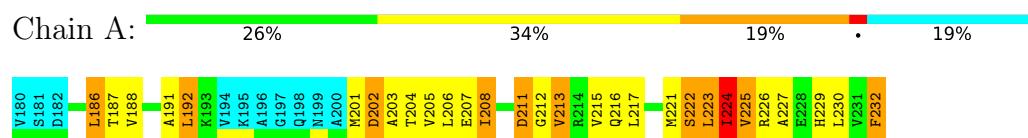
4.2.4 Score per residue for model 4

- Molecule 1: RNA chaperone ProQ



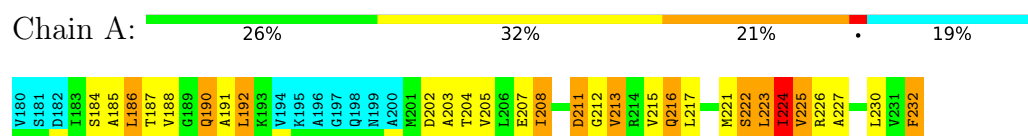
4.2.5 Score per residue for model 5

- Molecule 1: RNA chaperone ProQ



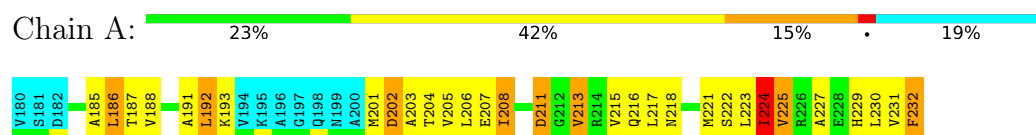
4.2.6 Score per residue for model 6

- Molecule 1: RNA chaperone ProQ



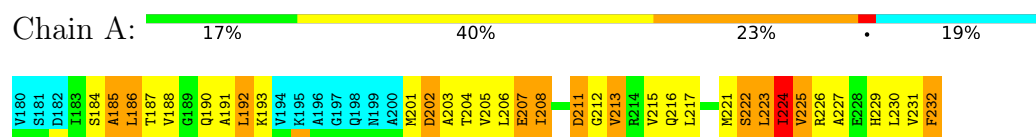
4.2.7 Score per residue for model 7

- Molecule 1: RNA chaperone ProQ



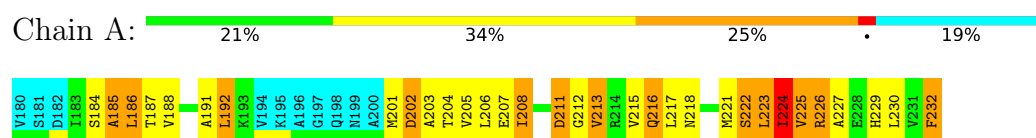
4.2.8 Score per residue for model 8

- Molecule 1: RNA chaperone ProQ



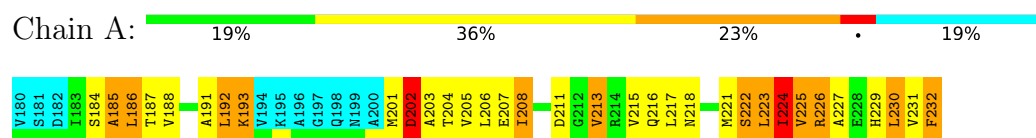
4.2.9 Score per residue for model 9

- Molecule 1: RNA chaperone ProQ



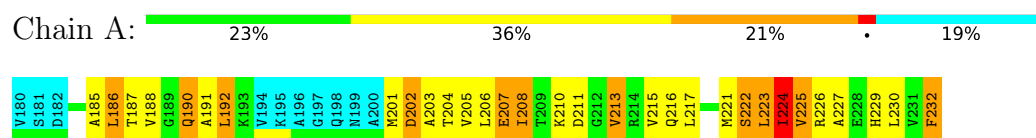
4.2.10 Score per residue for model 10

- Molecule 1: RNA chaperone ProQ



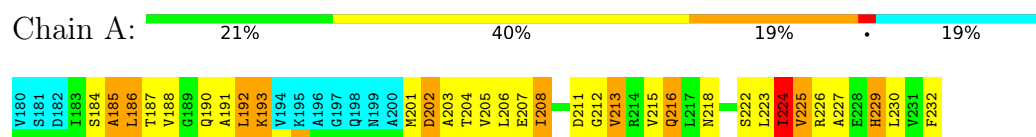
4.2.11 Score per residue for model 11

- Molecule 1: RNA chaperone ProQ



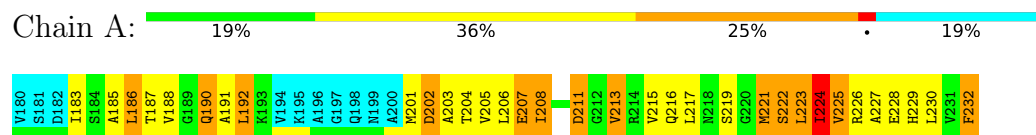
4.2.12 Score per residue for model 12

- Molecule 1: RNA chaperone ProQ



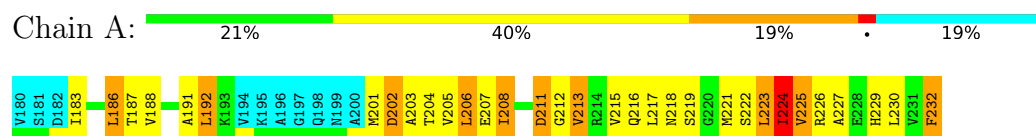
4.2.13 Score per residue for model 13

- Molecule 1: RNA chaperone ProQ



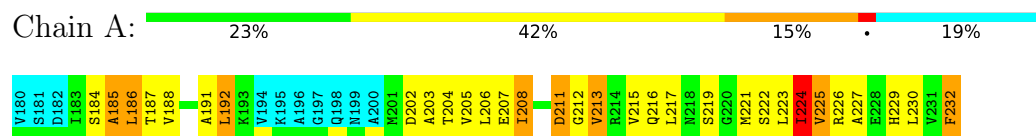
4.2.14 Score per residue for model 14 (medoid)

- Molecule 1: RNA chaperone ProQ



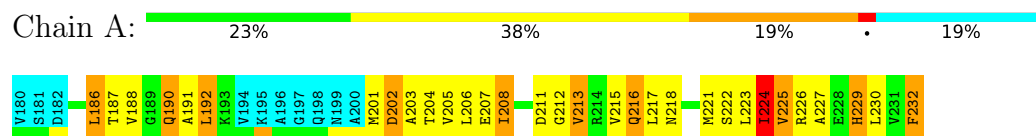
4.2.15 Score per residue for model 15

- Molecule 1: RNA chaperone ProQ



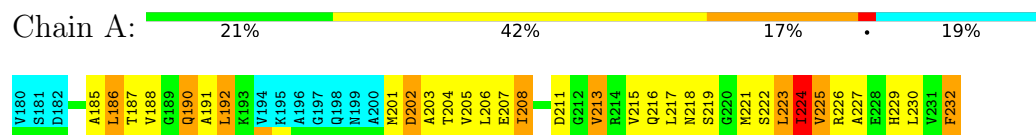
4.2.16 Score per residue for model 16

- Molecule 1: RNA chaperone ProQ



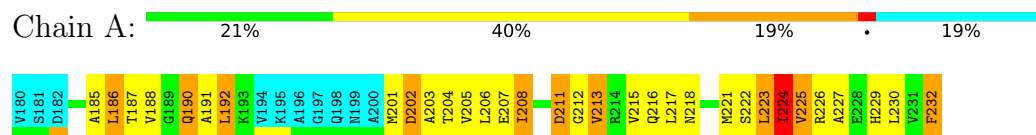
4.2.17 Score per residue for model 17

- Molecule 1: RNA chaperone ProQ



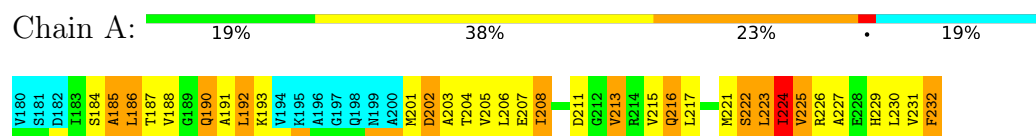
4.2.18 Score per residue for model 18

- Molecule 1: RNA chaperone ProQ



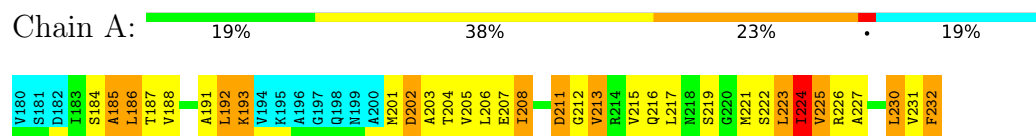
4.2.19 Score per residue for model 19

- Molecule 1: RNA chaperone ProQ



4.2.20 Score per residue for model 20

- Molecule 1: RNA chaperone ProQ



5 Refinement protocol and experimental data overview

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

Of the 50 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
ARIA	structure calculation	2.3

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	559
Number of shifts mapped to atoms	559
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	80%

6 Model quality [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	0.97±0.03	0±0/324 (0.0± 0.0%)	1.04±0.03	0±0/435 (0.1± 0.1%)
All	All	0.97	0/6480 (0.0%)	1.04	8/8700 (0.1%)

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	185	ALA	N-CA-C	-5.73	105.01	113.61	10	8

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	323	347	346	49±4
All	All	6460	6940	6920	973

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 73.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:225:VAL:HG22	1:A:226:ARG:H	0.86	1.31	10	19

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:224:ILE:HD13	1:A:230:LEU:HD22	0.79	1.54	20	3
1:A:203:ALA:HB1	1:A:215:VAL:CG2	0.75	2.11	11	20
1:A:215:VAL:O	1:A:222:SER:HA	0.74	1.82	7	20
1:A:217:LEU:HD22	1:A:221:MET:HB3	0.72	1.60	8	17
1:A:203:ALA:HB1	1:A:215:VAL:HG21	0.71	1.59	11	18
1:A:188:VAL:HA	1:A:205:VAL:CG1	0.69	2.17	12	20
1:A:224:ILE:CG2	1:A:225:VAL:H	0.68	2.01	12	20
1:A:215:VAL:HG22	1:A:224:ILE:HB	0.68	1.66	13	20
1:A:213:VAL:CB	1:A:224:ILE:HG21	0.67	2.19	12	6
1:A:224:ILE:HG23	1:A:225:VAL:N	0.67	2.03	7	20
1:A:224:ILE:CG2	1:A:225:VAL:N	0.66	2.59	12	20
1:A:201:MET:SD	1:A:218:ASN:HB3	0.65	2.32	9	3
1:A:224:ILE:O	1:A:225:VAL:HB	0.64	1.92	8	19
1:A:203:ALA:CB	1:A:215:VAL:HG21	0.63	2.23	3	20
1:A:201:MET:HG2	1:A:219:SER:OG	0.62	1.95	17	2
1:A:211:ASP:O	1:A:227:ALA:HB2	0.62	1.95	5	19
1:A:187:THR:HG22	1:A:188:VAL:N	0.61	2.11	1	20
1:A:192:LEU:HD11	1:A:215:VAL:HG11	0.61	1.72	20	12
1:A:202:ASP:O	1:A:218:ASN:HB2	0.61	1.95	12	4
1:A:187:THR:C	1:A:208:ILE:HD11	0.60	2.21	19	20
1:A:210:LYS:HG3	1:A:211:ASP:OD1	0.60	1.97	11	1
1:A:207:GLU:O	1:A:213:VAL:HG12	0.60	1.96	7	20
1:A:211:ASP:C	1:A:227:ALA:HB2	0.60	2.22	12	20
1:A:201:MET:O	1:A:202:ASP:HB2	0.60	1.96	11	13
1:A:186:LEU:HD11	1:A:213:VAL:CG2	0.60	2.26	8	20
1:A:187:THR:HG22	1:A:188:VAL:H	0.60	1.56	8	20
1:A:213:VAL:C	1:A:224:ILE:HG22	0.59	2.23	7	20
1:A:213:VAL:HG23	1:A:224:ILE:HG21	0.59	1.74	8	20
1:A:213:VAL:CG2	1:A:224:ILE:HG21	0.58	2.28	12	20
1:A:225:VAL:HG13	1:A:230:LEU:HD23	0.58	1.74	1	3
1:A:215:VAL:HG23	1:A:217:LEU:HD12	0.58	1.75	8	13
1:A:192:LEU:CD1	1:A:215:VAL:HG11	0.57	2.29	12	20
1:A:206:LEU:CD2	1:A:216:GLN:HB2	0.57	2.29	14	1
1:A:213:VAL:HB	1:A:224:ILE:HG21	0.56	1.76	12	1
1:A:205:VAL:HG13	1:A:213:VAL:CG1	0.56	2.30	13	20
1:A:224:ILE:HG23	1:A:225:VAL:H	0.56	1.58	7	9
1:A:188:VAL:HA	1:A:205:VAL:HG12	0.55	1.77	6	20
1:A:192:LEU:HD23	1:A:232:PHE:HB3	0.55	1.77	19	4
1:A:232:PHE:CD1	1:A:232:PHE:N	0.55	2.73	5	16
1:A:201:MET:SD	1:A:217:LEU:HB3	0.55	2.41	16	2
1:A:213:VAL:O	1:A:224:ILE:HG22	0.54	2.02	1	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:192:LEU:HD12	1:A:192:LEU:N	0.54	2.17	4	20
1:A:205:VAL:HG22	1:A:213:VAL:HG11	0.54	1.80	10	20
1:A:225:VAL:CG1	1:A:230:LEU:HD23	0.54	2.33	20	3
1:A:215:VAL:HG13	1:A:224:ILE:HB	0.53	1.79	4	19
1:A:230:LEU:HD12	1:A:232:PHE:CE2	0.53	2.38	10	2
1:A:225:VAL:CG2	1:A:226:ARG:H	0.53	2.11	1	3
1:A:225:VAL:HG21	1:A:229:HIS:CG	0.53	2.39	9	5
1:A:217:LEU:HD22	1:A:221:MET:CB	0.53	2.33	10	3
1:A:217:LEU:HD22	1:A:221:MET:SD	0.52	2.44	2	1
1:A:230:LEU:HD12	1:A:230:LEU:O	0.52	2.05	9	10
1:A:217:LEU:HB2	1:A:221:MET:H	0.52	1.65	8	18
1:A:186:LEU:HD13	1:A:192:LEU:HD21	0.51	1.82	8	1
1:A:226:ARG:O	1:A:230:LEU:HG	0.51	2.06	11	9
1:A:187:THR:O	1:A:190:GLN:HB2	0.51	2.05	1	10
1:A:215:VAL:HG22	1:A:224:ILE:CB	0.50	2.35	12	16
1:A:202:ASP:C	1:A:218:ASN:HD22	0.50	2.14	17	1
1:A:211:ASP:OD2	1:A:227:ALA:HB3	0.50	2.06	12	2
1:A:222:SER:O	1:A:223:LEU:HB2	0.50	2.06	11	14
1:A:224:ILE:CD1	1:A:225:VAL:HG12	0.50	2.36	12	1
1:A:184:SER:OG	1:A:211:ASP:HA	0.50	2.06	6	1
1:A:192:LEU:HD13	1:A:224:ILE:HD12	0.50	1.84	10	1
1:A:231:VAL:HG22	1:A:231:VAL:O	0.50	2.06	3	1
1:A:215:VAL:CG2	1:A:224:ILE:HB	0.49	2.36	13	17
1:A:224:ILE:CD1	1:A:230:LEU:HB3	0.49	2.38	12	1
1:A:211:ASP:HB3	1:A:227:ALA:CB	0.49	2.37	17	1
1:A:184:SER:OG	1:A:185:ALA:N	0.49	2.46	20	8
1:A:193:LYS:HB3	1:A:231:VAL:HG23	0.49	1.85	20	3
1:A:186:LEU:HD11	1:A:213:VAL:CG1	0.48	2.38	3	13
1:A:232:PHE:N	1:A:232:PHE:HD1	0.48	2.06	9	1
1:A:201:MET:O	1:A:202:ASP:HB3	0.48	2.08	4	2
1:A:212:GLY:HA2	1:A:230:LEU:HD11	0.48	1.84	20	1
1:A:225:VAL:HG11	1:A:229:HIS:HB3	0.47	1.86	1	2
1:A:231:VAL:O	1:A:231:VAL:HG23	0.47	2.09	10	2
1:A:225:VAL:HG21	1:A:229:HIS:CD2	0.47	2.43	13	2
1:A:202:ASP:HB3	1:A:218:ASN:HB2	0.47	1.86	18	3
1:A:202:ASP:OD1	1:A:218:ASN:HB2	0.47	2.09	17	1
1:A:204:THR:O	1:A:216:GLN:N	0.46	2.47	14	20
1:A:187:THR:CG2	1:A:188:VAL:N	0.46	2.79	14	20
1:A:217:LEU:HB2	1:A:221:MET:HB3	0.46	1.88	10	1
1:A:192:LEU:HB3	1:A:232:PHE:HA	0.46	1.87	13	4
1:A:215:VAL:HG22	1:A:224:ILE:N	0.46	2.26	15	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:212:GLY:HA2	1:A:230:LEU:HD21	0.45	1.88	18	8
1:A:193:LYS:HB3	1:A:231:VAL:HG22	0.45	1.87	10	1
1:A:203:ALA:HA	1:A:216:GLN:O	0.45	2.11	11	2
1:A:225:VAL:HG22	1:A:226:ARG:N	0.45	2.19	12	3
1:A:230:LEU:HD12	1:A:230:LEU:C	0.45	2.36	8	7
1:A:225:VAL:HG13	1:A:226:ARG:O	0.45	2.11	12	4
1:A:185:ALA:HB3	1:A:186:LEU:HD23	0.45	1.88	7	7
1:A:187:THR:CG2	1:A:188:VAL:H	0.45	2.25	16	13
1:A:192:LEU:CD2	1:A:232:PHE:HB3	0.45	2.42	20	2
1:A:192:LEU:HB3	1:A:232:PHE:HB3	0.45	1.89	20	2
1:A:205:VAL:HG13	1:A:213:VAL:HG11	0.44	1.89	13	6
1:A:217:LEU:HD13	1:A:222:SER:N	0.44	2.28	5	6
1:A:206:LEU:HD22	1:A:216:GLN:HB2	0.44	1.89	14	1
1:A:217:LEU:HD13	1:A:222:SER:CA	0.44	2.42	9	1
1:A:217:LEU:HD13	1:A:222:SER:H	0.44	1.73	8	3
1:A:225:VAL:HG13	1:A:226:ARG:N	0.44	2.26	11	5
1:A:186:LEU:HD21	1:A:213:VAL:HG22	0.43	1.89	4	3
1:A:217:LEU:HD22	1:A:221:MET:HE2	0.43	1.90	16	3
1:A:205:VAL:HG22	1:A:215:VAL:HG12	0.43	1.90	17	2
1:A:186:LEU:HB2	1:A:190:GLN:NE2	0.43	2.29	12	1
1:A:217:LEU:HD12	1:A:217:LEU:N	0.43	2.29	17	1
1:A:224:ILE:HD13	1:A:225:VAL:HG12	0.43	1.90	12	1
1:A:202:ASP:HB3	1:A:218:ASN:CB	0.42	2.45	18	1
1:A:193:LYS:HD2	1:A:231:VAL:HG22	0.42	1.92	10	1
1:A:183:ILE:HD12	1:A:188:VAL:HG23	0.42	1.92	13	1
1:A:192:LEU:HD11	1:A:215:VAL:CG1	0.42	2.42	20	2
1:A:226:ARG:HG2	1:A:227:ALA:H	0.42	1.75	16	1
1:A:211:ASP:HB3	1:A:227:ALA:HB2	0.42	1.92	20	1
1:A:186:LEU:HD12	1:A:205:VAL:HG21	0.41	1.92	8	1
1:A:232:PHE:N	1:A:232:PHE:CD1	0.41	2.88	20	1
1:A:221:MET:HG2	1:A:222:SER:H	0.41	1.75	6	1
1:A:205:VAL:CG2	1:A:213:VAL:HG11	0.41	2.45	10	2
1:A:226:ARG:CD	1:A:228:GLU:HG2	0.41	2.44	13	1
1:A:212:GLY:C	1:A:213:VAL:CG2	0.41	2.93	8	1
1:A:193:LYS:CB	1:A:231:VAL:HG23	0.40	2.46	20	1
1:A:183:ILE:HB	1:A:208:ILE:HD12	0.40	1.93	2	1
1:A:193:LYS:HE3	1:A:231:VAL:HG22	0.40	1.93	7	1
1:A:192:LEU:HD12	1:A:192:LEU:H	0.40	1.76	11	1
1:A:192:LEU:HB2	1:A:193:LYS:H	0.40	1.59	12	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	42/53 (79%)	26±1 (62±2%)	10±1 (24±3%)	6±1 (14±2%)	0	5
All	All	840/1060 (79%)	520 (62%)	201 (24%)	119 (14%)	0	5

All 8 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	191	ALA	20
1	A	202	ASP	20
1	A	223	LEU	20
1	A	224	ILE	20
1	A	225	VAL	20
1	A	211	ASP	9
1	A	222	SER	9
1	A	183	ILE	1

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	36/43 (84%)	27±1 (74±3%)	9±1 (26±3%)	2	22
All	All	720/860 (84%)	531 (74%)	189 (26%)	2	22

All 19 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	186	LEU	20
1	A	192	LEU	20

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Mol	Chain	Res	Type	Models (Total)
1	A	208	ILE	20
1	A	213	VAL	20
1	A	224	ILE	20
1	A	232	PHE	20
1	A	206	LEU	19
1	A	190	GLN	11
1	A	229	HIS	11
1	A	216	GLN	6
1	A	193	LYS	4
1	A	230	LEU	3
1	A	207	GLU	3
1	A	211	ASP	3
1	A	219	SER	3
1	A	202	ASP	2
1	A	226	ARG	2
1	A	231	VAL	1
1	A	221	MET	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 80% for the well-defined parts and 79% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *CTD_170301_b.csdep*

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	559
Number of shifts mapped to atoms	559
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	53	-0.01 ± 0.15	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	49	-0.12 ± 0.14	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	50	0.59 ± 0.25	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 80%, i.e. 472 atoms were assigned a chemical shift out of a possible 593. 0 out of 12 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	172/218 (79%)	87/89 (98%)	43/86 (50%)	42/43 (98%)
Sidechain	293/357 (82%)	204/237 (86%)	86/109 (79%)	3/11 (27%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	7/18 (39%)	5/9 (56%)	2/7 (29%)	0/2 (0%)
Overall	472/593 (80%)	296/335 (88%)	131/202 (65%)	45/56 (80%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 79%, i.e. 559 atoms were assigned a chemical shift out of a possible 709. 0 out of 14 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	208/269 (77%)	105/110 (95%)	53/106 (50%)	50/53 (94%)
Sidechain	344/422 (82%)	239/279 (86%)	101/129 (78%)	4/14 (29%)
Aromatic	7/18 (39%)	5/9 (56%)	2/7 (29%)	0/2 (0%)
Overall	559/709 (79%)	349/398 (88%)	156/242 (64%)	54/69 (78%)

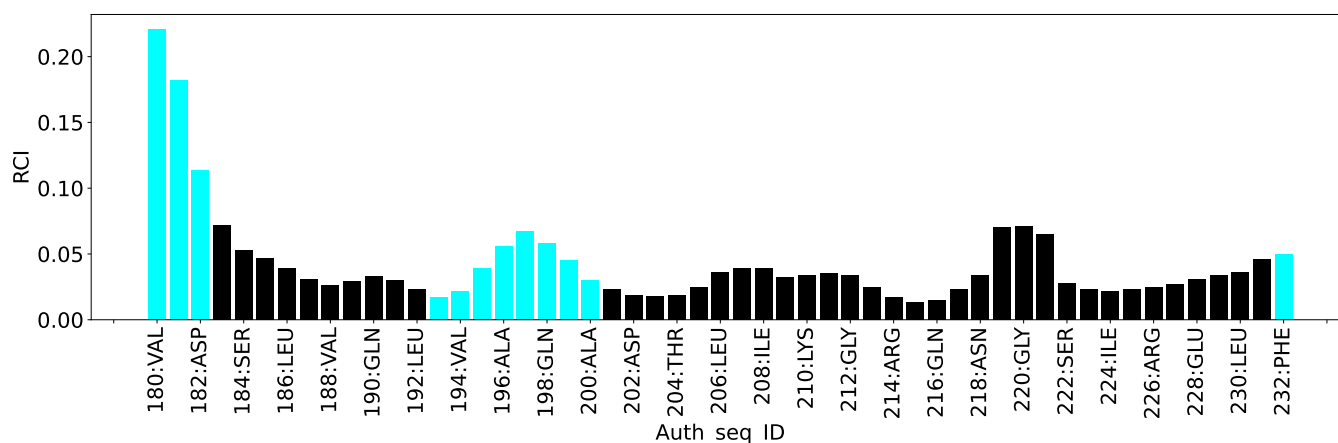
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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	1630
Intra-residue ($ i-j =0$)	583
Sequential ($ i-j =1$)	402
Medium range ($ i-j >1$ and $ i-j <5$)	212
Long range ($ i-j \geq 5$)	433
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	30.8
Number of long range restraints per residue ¹	8.2

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)	92.8	0.2
0.2-0.5 (Medium)	137.6	0.5
>0.5 (Large)	112.0	3.02

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

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

9 Distance violation analysis ⓘ

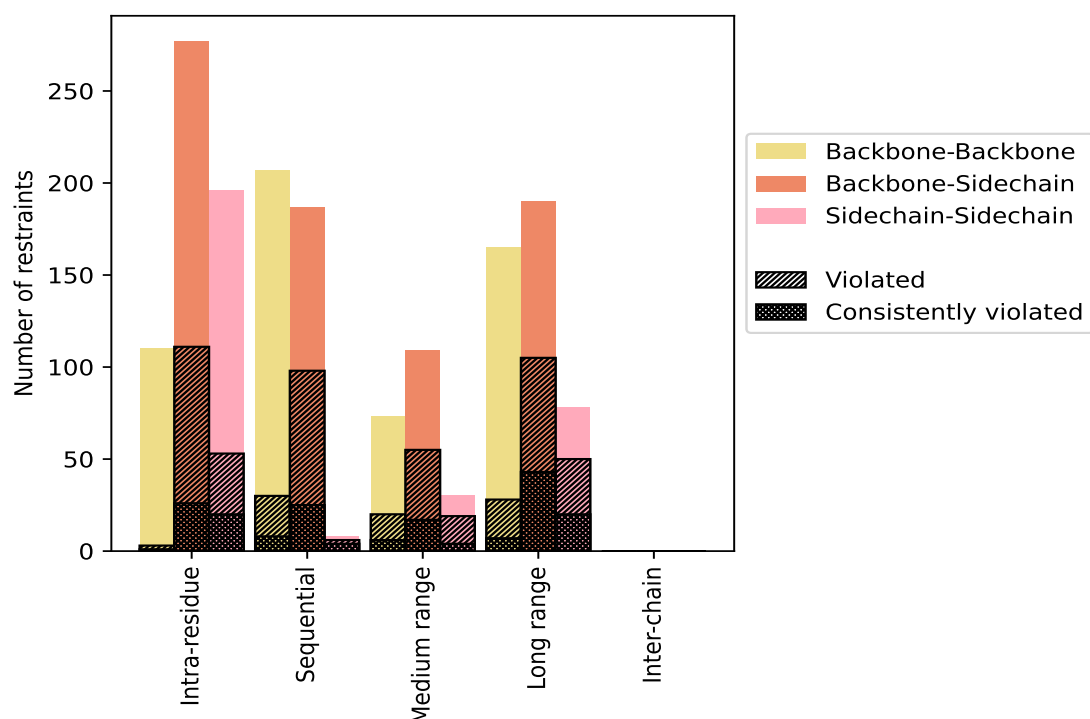
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	583	35.8	167	28.6	10.2	47	8.1	2.9
Backbone-Backbone	110	6.7	3	2.7	0.2	1	0.9	0.1
Backbone-Sidechain	277	17.0	111	40.1	6.8	26	9.4	1.6
Sidechain-Sidechain	196	12.0	53	27.0	3.3	20	10.2	1.2
Sequential (i-j =1)	402	24.7	134	33.3	8.2	37	9.2	2.3
Backbone-Backbone	207	12.7	30	14.5	1.8	8	3.9	0.5
Backbone-Sidechain	187	11.5	98	52.4	6.0	25	13.4	1.5
Sidechain-Sidechain	8	0.5	6	75.0	0.4	4	50.0	0.2
Medium range (i-j >1 & i-j <5)	212	13.0	94	44.3	5.8	27	12.7	1.7
Backbone-Backbone	73	4.5	20	27.4	1.2	6	8.2	0.4
Backbone-Sidechain	109	6.7	55	50.5	3.4	17	15.6	1.0
Sidechain-Sidechain	30	1.8	19	63.3	1.2	4	13.3	0.2
Long range (i-j ≥5)	433	26.6	183	42.3	11.2	70	16.2	4.3
Backbone-Backbone	165	10.1	28	17.0	1.7	7	4.2	0.4
Backbone-Sidechain	190	11.7	105	55.3	6.4	43	22.6	2.6
Sidechain-Sidechain	78	4.8	50	64.1	3.1	20	25.6	1.2
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	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	1630	100.0	578	35.5	35.5	181	11.1	11.1
Backbone-Backbone	555	34.0	81	14.6	5.0	22	4.0	1.3
Backbone-Sidechain	763	46.8	369	48.4	22.6	111	14.5	6.8
Sidechain-Sidechain	312	19.1	128	41.0	7.9	48	15.4	2.9

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	94	79	64	129	0	366	0.45	2.39	0.35	0.32
2	88	76	53	131	0	348	0.42	2.25	0.32	0.32
3	76	71	61	122	0	330	0.44	2.56	0.34	0.35
4	94	76	64	128	0	362	0.43	2.56	0.33	0.32
5	81	80	55	117	0	333	0.42	2.56	0.32	0.34
6	88	78	54	126	0	346	0.45	3.02	0.39	0.34
7	84	85	52	125	0	346	0.45	2.48	0.36	0.35
8	88	81	57	118	0	344	0.42	1.85	0.29	0.32
9	90	83	62	129	0	364	0.43	2.11	0.32	0.32
10	90	75	59	134	0	358	0.47	1.84	0.35	0.36

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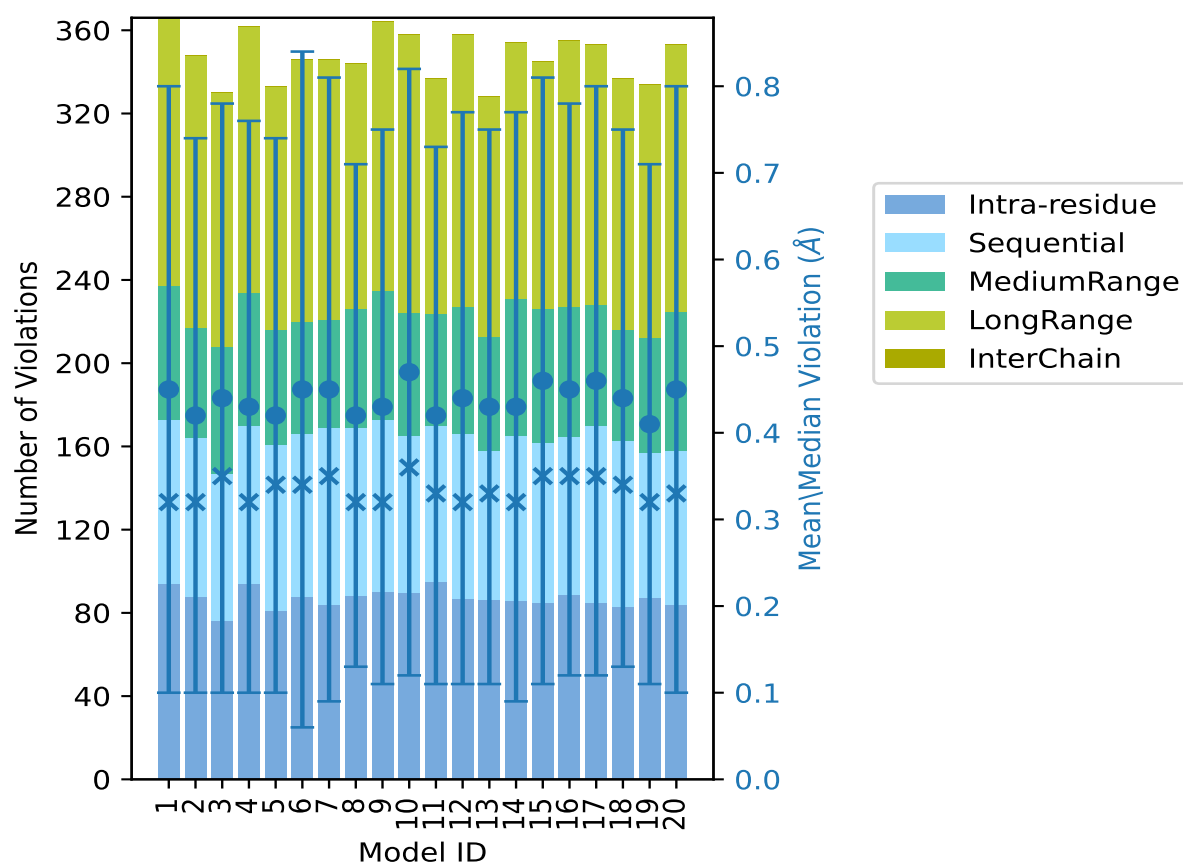
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	95	75	54	113	0	337	0.42	2.59	0.31	0.33
12	87	79	61	131	0	358	0.44	2.15	0.33	0.32
13	86	72	55	115	0	328	0.43	2.0	0.32	0.33
14	86	79	66	123	0	354	0.43	2.01	0.34	0.32
15	85	77	64	119	0	345	0.46	2.33	0.35	0.35
16	89	76	62	128	0	355	0.45	2.04	0.33	0.35
17	85	85	58	125	0	353	0.46	2.51	0.34	0.35
18	83	80	53	121	0	337	0.44	1.71	0.31	0.34
19	87	70	55	122	0	334	0.41	2.01	0.3	0.32
20	84	74	67	128	0	353	0.45	2.01	0.35	0.33

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

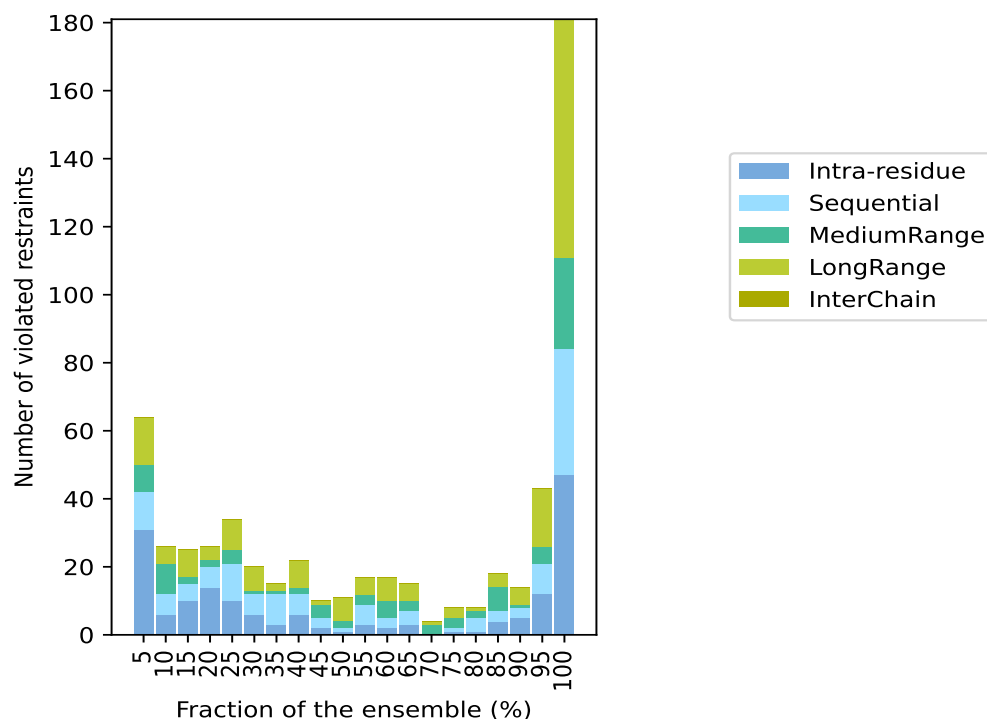
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1052(IR:416, SQ:268, MR:118, LR:250, IC:0) restraints are 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	%
31	11	8	14	0	64	1	5.0
6	6	9	5	0	26	2	10.0
10	5	2	8	0	25	3	15.0
14	6	2	4	0	26	4	20.0
10	11	4	9	0	34	5	25.0
6	6	1	7	0	20	6	30.0
3	9	1	2	0	15	7	35.0
6	6	2	8	0	22	8	40.0
2	3	4	1	0	10	9	45.0
1	1	2	7	0	11	10	50.0
3	6	3	5	0	17	11	55.0
2	3	5	7	0	17	12	60.0
3	4	3	5	0	15	13	65.0
0	0	3	1	0	4	14	70.0
1	1	3	3	0	8	15	75.0
1	4	2	1	0	8	16	80.0
4	3	7	4	0	18	17	85.0
5	3	1	5	0	14	18	90.0
12	9	5	17	0	43	19	95.0
47	37	27	70	0	181	20	100.0

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

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

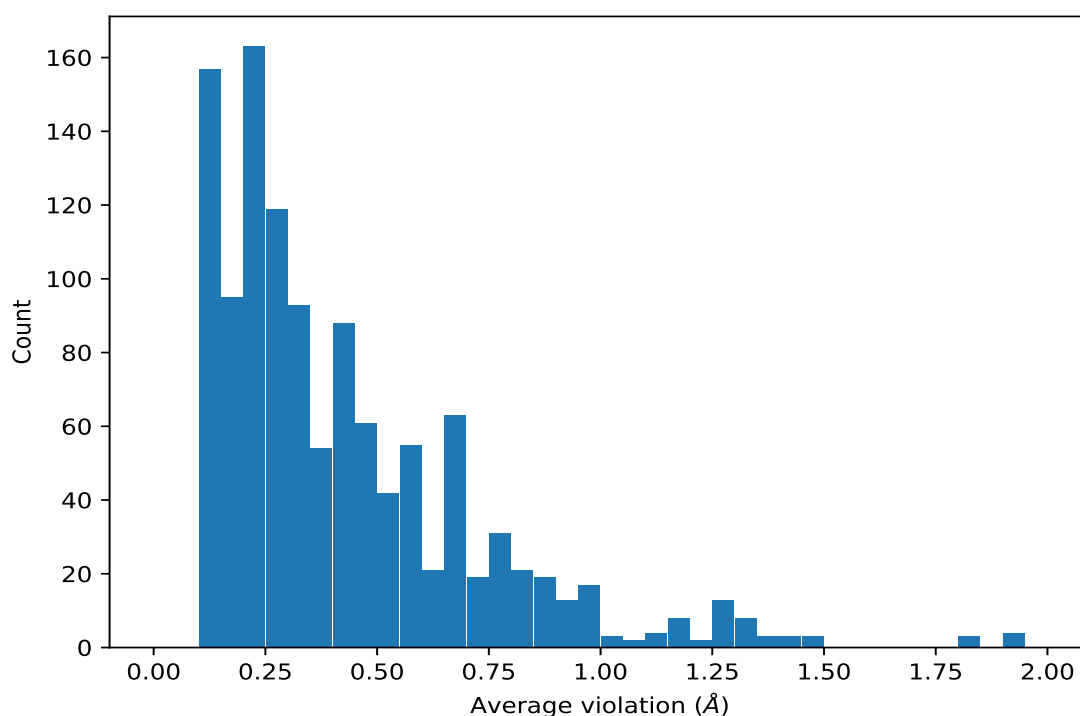
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	20	1.8	0.05	1.8
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	20	1.8	0.05	1.8
(1,18)	1:224:A:ILE:HG22	1:211:A:ASP:H	20	1.8	0.05	1.8
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	20	1.48	0.29	1.39
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	20	1.48	0.29	1.39
(2,1561)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	20	1.48	0.29	1.39
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	20	1.37	0.06	1.38
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG23	20	1.37	0.06	1.38
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	20	1.37	0.06	1.38
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	20	1.34	0.06	1.33
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	20	1.34	0.29	1.25
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	20	1.34	0.29	1.25
(2,461)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	20	1.34	0.29	1.25
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	20	1.29	0.06	1.3
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG23	20	1.29	0.06	1.3
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	20	1.29	0.06	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG22	20	1.28	0.07	1.31
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG21	20	1.28	0.07	1.31
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG23	20	1.28	0.07	1.31
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG23	20	1.28	0.07	1.31
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG21	20	1.28	0.07	1.31
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG22	20	1.28	0.07	1.31
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	20	1.16	0.03	1.17
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	20	1.16	0.03	1.17
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	20	1.16	0.03	1.17
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	20	1.1	0.03	1.11
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	20	1.1	0.03	1.11
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	20	1.1	0.03	1.11
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	20	1.09	0.11	1.06
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	20	1.02	0.05	1.03
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	20	1.02	0.05	1.03
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	20	1.01	0.05	1.0
(1,22)	1:192:A:LEU:HG	1:203:A:ALA:H	20	0.99	0.22	0.94
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	20	0.99	0.22	0.94
(1,22)	1:224:A:ILE:HG12	1:203:A:ALA:H	20	0.99	0.22	0.94
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	20	0.98	0.11	0.96
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD12	20	0.98	0.16	1.06
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG23	20	0.98	0.16	1.06
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	20	0.98	0.16	1.06
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD13	20	0.98	0.16	1.06
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG21	20	0.98	0.16	1.06
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG22	20	0.98	0.16	1.06
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	20	0.97	0.02	0.98
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	20	0.97	0.02	0.98
(2,822)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	20	0.97	0.02	0.98
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	20	0.95	0.18	1.01
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	20	0.94	0.02	0.94
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD12	20	0.92	0.14	0.97
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG12	20	0.92	0.14	0.97
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD11	20	0.92	0.14	0.97
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD13	20	0.92	0.14	0.97
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG11	20	0.92	0.14	0.97
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG13	20	0.92	0.14	0.97
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	20	0.92	0.19	0.96
(2,1230)	1:215:A:VAL:HG21	1:203:A:ALA:H	20	0.92	0.19	0.96
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	20	0.92	0.19	0.96
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	20	0.9	0.05	0.9
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	20	0.88	0.02	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	20	0.88	0.02	0.88
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	20	0.88	0.02	0.88
(2,720)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	20	0.88	0.02	0.88
(1,37)	1:194:A:VAL:HG22	1:194:A:VAL:H	20	0.88	0.2	0.99
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	20	0.88	0.2	0.99
(1,37)	1:194:A:VAL:HG23	1:194:A:VAL:H	20	0.88	0.2	0.99
(1,37)	1:224:A:ILE:HG13	1:194:A:VAL:H	20	0.88	0.2	0.99
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	20	0.88	0.01	0.88
(1,7)	1:194:A:VAL:HG22	1:194:A:VAL:H	20	0.86	0.2	0.98
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	20	0.86	0.2	0.98
(1,7)	1:194:A:VAL:HG23	1:194:A:VAL:H	20	0.86	0.2	0.98
(1,7)	1:224:A:ILE:HG13	1:194:A:VAL:H	20	0.86	0.2	0.98
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	20	0.86	0.06	0.88
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	20	0.86	0.06	0.88
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	20	0.86	0.06	0.88
(1,30)	1:224:A:ILE:HB	1:225:A:VAL:HG13	20	0.84	0.22	0.87
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	20	0.84	0.22	0.87
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD13	20	0.84	0.22	0.87
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD11	20	0.84	0.22	0.87
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	20	0.83	0.4	0.66
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	20	0.83	0.4	0.66
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	20	0.83	0.4	0.66
(2,1000)	1:187:A:THR:HG21	1:208:A:ILE:HD12	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD11	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG21	1:208:A:ILE:HD11	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD11	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD13	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD12	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD12	20	0.8	0.02	0.8
(2,1000)	1:187:A:THR:HG21	1:208:A:ILE:HD13	20	0.8	0.02	0.8
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	20	0.78	0.01	0.78
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	20	0.78	0.03	0.77
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	20	0.78	0.03	0.77
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG21	20	0.78	0.03	0.77
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	20	0.78	0.07	0.79
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD12	20	0.78	0.07	0.79
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	20	0.78	0.07	0.79
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	20	0.78	0.01	0.78
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	20	0.78	0.17	0.72
(2,1466)	1:230:A:LEU:HD23	1:211:A:ASP:H	20	0.78	0.17	0.72
(2,1466)	1:230:A:LEU:HD22	1:211:A:ASP:H	20	0.78	0.17	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1287)	1:209:A:THR:HG23	1:211:A:ASP:H	20	0.77	0.04	0.76
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	20	0.77	0.04	0.76
(2,1287)	1:209:A:THR:HG22	1:211:A:ASP:H	20	0.77	0.04	0.76
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG23	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG22	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG22	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG21	20	0.75	0.02	0.76
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG22	20	0.75	0.02	0.76
(1,12)	1:214:A:ARG:HB3	1:215:A:VAL:H	20	0.74	0.21	0.8
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	20	0.74	0.21	0.8
(1,12)	1:224:A:ILE:HG12	1:215:A:VAL:H	20	0.74	0.21	0.8
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	20	0.74	0.02	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	20	0.74	0.02	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	20	0.74	0.02	0.75
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	20	0.72	0.03	0.72
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	20	0.72	0.03	0.72
(2,1515)	1:186:A:LEU:HD11	1:185:A:ALA:H	20	0.72	0.03	0.72
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD11	20	0.71	0.11	0.7
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	20	0.71	0.11	0.7
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	20	0.71	0.11	0.7
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	20	0.7	0.19	0.72
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	20	0.7	0.04	0.71
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	20	0.7	0.04	0.71
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	20	0.7	0.05	0.71
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	20	0.7	0.05	0.71
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG22	20	0.7	0.05	0.71
(2,1347)	1:217:A:LEU:HD13	1:220:A:GLY:H	20	0.7	0.09	0.72
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	20	0.7	0.09	0.72
(2,1347)	1:217:A:LEU:HD12	1:220:A:GLY:H	20	0.7	0.09	0.72
(2,1505)	1:192:A:LEU:HD12	1:190:A:GLN:H	20	0.7	0.07	0.7
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	20	0.7	0.07	0.7
(2,1505)	1:192:A:LEU:HD13	1:190:A:GLN:H	20	0.7	0.07	0.7
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD11	20	0.69	0.11	0.68
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	20	0.69	0.11	0.68
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	20	0.69	0.11	0.68
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	20	0.68	0.05	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG22	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG22	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG23	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG21	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG21	20	0.68	0.05	0.68
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG23	20	0.68	0.05	0.68
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	20	0.68	0.01	0.67
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG23	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG22	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG22	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG21	20	0.67	0.02	0.67
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG22	20	0.67	0.02	0.67
(2,233)	1:209:A:THR:HG23	1:211:A:ASP:H	20	0.66	0.04	0.66
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	20	0.66	0.04	0.66
(2,233)	1:209:A:THR:HG22	1:211:A:ASP:H	20	0.66	0.04	0.66
(2,1320)	1:209:A:THR:HG23	1:215:A:VAL:H	20	0.66	0.04	0.66
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	20	0.66	0.04	0.66
(2,1320)	1:209:A:THR:HG22	1:215:A:VAL:H	20	0.66	0.04	0.66
(2,1298)	1:185:A:ALA:HB1	1:212:A:GLY:H	20	0.65	0.02	0.65
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	20	0.65	0.02	0.65
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	20	0.65	0.02	0.65
(2,778)	1:230:A:LEU:HD11	1:229:A:HIS:H	20	0.65	0.4	0.5
(2,778)	1:230:A:LEU:HD12	1:229:A:HIS:H	20	0.65	0.4	0.5
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	20	0.65	0.4	0.5
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	20	0.64	0.17	0.57
(2,373)	1:230:A:LEU:HD23	1:211:A:ASP:H	20	0.64	0.17	0.57
(2,373)	1:230:A:LEU:HD22	1:211:A:ASP:H	20	0.64	0.17	0.57
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	20	0.63	0.2	0.64
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	20	0.62	0.03	0.62
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	20	0.62	0.03	0.62
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	20	0.62	0.03	0.62
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	20	0.61	0.02	0.61
(2,1328)	1:204:A:THR:HG21	1:216:A:GLN:H	20	0.61	0.02	0.61
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	20	0.61	0.02	0.61
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	20	0.61	0.03	0.61
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	20	0.61	0.03	0.61
(2,418)	1:186:A:LEU:HD11	1:185:A:ALA:H	20	0.61	0.03	0.61
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	20	0.6	0.09	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG22	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG22	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG23	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG21	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG21	20	0.6	0.05	0.6
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG23	20	0.6	0.05	0.6
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	20	0.6	0.12	0.62
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	20	0.6	0.12	0.62
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	20	0.6	0.12	0.62
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	20	0.6	0.03	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	20	0.6	0.03	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB3	20	0.6	0.03	0.6
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	20	0.6	0.25	0.74
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	20	0.6	0.04	0.6
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	20	0.58	0.15	0.61
(1,42)	1:195:A:LYS:HE2	1:194:A:VAL:H	20	0.58	0.15	0.61
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	20	0.58	0.09	0.57
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	20	0.58	0.02	0.58
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG23	20	0.58	0.02	0.58
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	20	0.58	0.02	0.58
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	20	0.58	0.04	0.57
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG22	20	0.58	0.04	0.57
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	20	0.58	0.04	0.57
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	20	0.58	0.05	0.59
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	20	0.58	0.05	0.59
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG22	20	0.58	0.05	0.59
(2,285)	1:217:A:LEU:HD13	1:220:A:GLY:H	20	0.58	0.09	0.6
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	20	0.58	0.09	0.6
(2,285)	1:217:A:LEU:HD12	1:220:A:GLY:H	20	0.58	0.09	0.6
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	20	0.57	0.19	0.52
(2,410)	1:192:A:LEU:HD12	1:190:A:GLN:H	20	0.56	0.07	0.56
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	20	0.56	0.07	0.56
(2,410)	1:192:A:LEU:HD13	1:190:A:GLN:H	20	0.56	0.07	0.56
(2,874)	1:206:A:LEU:HD21	1:222:A:SER:HB3	20	0.55	0.6	0.36
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	20	0.55	0.6	0.36
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	20	0.55	0.6	0.36
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	20	0.55	0.09	0.56
(1,39)	1:213:A:VAL:HG13	1:215:A:VAL:H	20	0.55	0.09	0.56
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	20	0.54	0.08	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	20	0.54	0.08	0.55
(2,1175)	1:203:A:ALA:HB2	1:193:A:LYS:H	20	0.54	0.08	0.55
(2,776)	1:232:A:PHE:HE2	1:230:A:LEU:H	20	0.54	0.16	0.51
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	20	0.54	0.16	0.51
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	20	0.54	0.05	0.52
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	20	0.54	0.05	0.52
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG22	20	0.54	0.05	0.52
(2,243)	1:185:A:ALA:HB1	1:212:A:GLY:H	20	0.53	0.02	0.53
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	20	0.53	0.02	0.53
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	20	0.53	0.02	0.53
(2,261)	1:209:A:THR:HG23	1:215:A:VAL:H	20	0.52	0.04	0.54
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	20	0.52	0.04	0.54
(2,261)	1:209:A:THR:HG22	1:215:A:VAL:H	20	0.52	0.04	0.54
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	20	0.52	0.28	0.38
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	20	0.51	0.09	0.52
(1,16)	1:217:A:LEU:HD12	1:215:A:VAL:H	20	0.51	0.09	0.52
(1,16)	1:213:A:VAL:HG13	1:215:A:VAL:H	20	0.51	0.09	0.52
(1,16)	1:217:A:LEU:HD11	1:215:A:VAL:H	20	0.51	0.09	0.52
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	20	0.51	0.58	0.18
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	20	0.5	0.07	0.52
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	20	0.5	0.07	0.52
(2,1235)	1:191:A:ALA:HB1	1:204:A:THR:H	20	0.5	0.07	0.52
(2,572)	1:206:A:LEU:HD21	1:222:A:SER:HB3	20	0.49	0.6	0.3
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	20	0.49	0.6	0.3
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	20	0.49	0.6	0.3
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	20	0.49	0.46	0.38
(2,1406)	1:225:A:VAL:HG11	1:228:A:GLU:H	20	0.49	0.46	0.38
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	20	0.49	0.46	0.38
(2,1151)	1:187:A:THR:HG22	1:190:A:GLN:H	20	0.49	0.01	0.48
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	20	0.49	0.01	0.48
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	20	0.49	0.01	0.48
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	20	0.48	0.05	0.49
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD12	20	0.48	0.05	0.49
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD13	20	0.48	0.05	0.49
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	20	0.48	0.12	0.5
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	20	0.48	0.12	0.5
(2,1538)	1:224:A:ILE:HG21	1:230:A:LEU:H	20	0.48	0.12	0.5
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	20	0.48	0.02	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	20	0.48	0.02	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	20	0.48	0.02	0.48
(2,972)	1:187:A:THR:HG21	1:188:A:VAL:HG23	20	0.48	0.01	0.48
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG21	20	0.48	0.01	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG22	20	0.48	0.01	0.48
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG22	20	0.48	0.01	0.48
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG23	20	0.48	0.01	0.48
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG21	20	0.48	0.01	0.48
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG23	20	0.48	0.01	0.48
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	20	0.47	0.2	0.42
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG23	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG22	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG21	20	0.46	0.01	0.46
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG23	20	0.46	0.01	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	20	0.46	0.03	0.46
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	20	0.46	0.06	0.46
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG22	20	0.46	0.06	0.46
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	20	0.46	0.06	0.46
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	20	0.44	0.03	0.44
(2,1185)	1:192:A:LEU:HD13	1:194:A:VAL:H	20	0.44	0.05	0.44
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	20	0.44	0.05	0.44
(2,1185)	1:192:A:LEU:HD11	1:194:A:VAL:H	20	0.44	0.05	0.44
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD12	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD12	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD11	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD12	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD13	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD13	20	0.43	0.06	0.43
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD13	20	0.43	0.06	0.43
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	20	0.43	0.14	0.39
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	20	0.43	0.14	0.39
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	20	0.43	0.14	0.39
(2,1565)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	20	0.42	0.08	0.42
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	20	0.42	0.08	0.42
(2,1565)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	20	0.42	0.08	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	20	0.42	0.01	0.42
(2,750)	1:192:A:LEU:HD13	1:194:A:VAL:H	20	0.42	0.05	0.42
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	20	0.42	0.05	0.42
(2,750)	1:192:A:LEU:HD11	1:194:A:VAL:H	20	0.42	0.05	0.42
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	20	0.41	0.03	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	20	0.41	0.03	0.42
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	20	0.41	0.03	0.42
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	20	0.41	0.13	0.38
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG23	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG22	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG21	20	0.41	0.01	0.41
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG23	20	0.41	0.01	0.41
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	20	0.4	0.02	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	20	0.4	0.02	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	20	0.4	0.02	0.4
(2,685)	1:187:A:THR:HG21	1:188:A:VAL:HG23	20	0.4	0.01	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG21	20	0.4	0.01	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG22	20	0.4	0.01	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG22	20	0.4	0.01	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG23	20	0.4	0.01	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG21	20	0.4	0.01	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG23	20	0.4	0.01	0.4
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	20	0.4	0.37	0.25
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	20	0.4	0.02	0.4
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	20	0.4	0.02	0.4
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	20	0.4	0.02	0.4
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	20	0.38	0.04	0.4
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG21	20	0.38	0.04	0.4
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	20	0.38	0.04	0.4
(2,838)	1:185:A:ALA:HB1	1:186:A:LEU:H	20	0.38	0.04	0.4
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	20	0.38	0.04	0.4
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	20	0.38	0.04	0.4
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	20	0.38	0.07	0.4
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	20	0.38	0.07	0.4
(2,185)	1:191:A:ALA:HB1	1:204:A:THR:H	20	0.38	0.07	0.4
(2,113)	1:187:A:THR:HG22	1:190:A:GLN:H	20	0.38	0.01	0.38
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	20	0.38	0.01	0.38
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	20	0.38	0.01	0.38
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	20	0.38	0.46	0.26
(2,325)	1:225:A:VAL:HG11	1:228:A:GLU:H	20	0.38	0.46	0.26
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	20	0.38	0.46	0.26
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	20	0.37	0.05	0.38
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD12	20	0.37	0.05	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD13	20	0.37	0.05	0.38
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	20	0.37	0.01	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD12	20	0.37	0.01	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	20	0.37	0.01	0.37
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	20	0.37	0.02	0.36
(2,1546)	1:204:A:THR:HG23	1:190:A:GLN:H	20	0.37	0.02	0.36
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	20	0.37	0.02	0.36
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	20	0.37	0.03	0.36
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	20	0.35	0.02	0.35
(2,785)	1:204:A:THR:HG23	1:190:A:GLN:H	20	0.35	0.02	0.35
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	20	0.35	0.02	0.35
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	20	0.35	0.02	0.34
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	20	0.34	0.17	0.32
(2,1379)	1:225:A:VAL:HG12	1:225:A:VAL:H	20	0.34	0.17	0.32
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	20	0.34	0.17	0.32
(2,464)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	20	0.33	0.08	0.32
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	20	0.33	0.08	0.32
(2,464)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	20	0.33	0.08	0.32
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	20	0.33	0.09	0.32
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	20	0.33	0.09	0.32
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD22	20	0.33	0.09	0.32
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	20	0.32	0.02	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	20	0.32	0.02	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	20	0.32	0.02	0.33
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	20	0.32	0.03	0.32
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	20	0.32	0.03	0.32
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	20	0.32	0.03	0.32
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	20	0.32	0.05	0.31
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	20	0.32	0.05	0.31
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB1	20	0.32	0.05	0.31
(2,1297)	1:209:A:THR:HG23	1:212:A:GLY:H	20	0.31	0.09	0.3
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	20	0.31	0.09	0.3
(2,1297)	1:209:A:THR:HG22	1:212:A:GLY:H	20	0.31	0.09	0.3
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG21	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD13	1:213:A:VAL:HG21	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD13	1:213:A:VAL:HG23	20	0.31	0.05	0.3
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG23	20	0.31	0.05	0.3
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	20	0.3	0.04	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,539)	1:185:A:ALA:HB1	1:186:A:LEU:H	20	0.3	0.04	0.32
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	20	0.3	0.04	0.32
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	20	0.3	0.04	0.32
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD12	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD12	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD11	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD12	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD13	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD13	20	0.3	0.06	0.29
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD13	20	0.3	0.06	0.29
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	20	0.3	0.12	0.27
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	20	0.3	0.12	0.27
(2,959)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	20	0.3	0.12	0.27
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	20	0.29	0.03	0.3
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG23	20	0.29	0.03	0.3
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	20	0.29	0.03	0.3
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	20	0.29	0.05	0.29
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	20	0.29	0.05	0.29
(2,1488)	1:191:A:ALA:HB1	1:203:A:ALA:H	20	0.29	0.05	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	20	0.29	0.01	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD12	20	0.29	0.01	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	20	0.29	0.01	0.29
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	20	0.28	0.04	0.29
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	20	0.28	0.04	0.29
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	20	0.28	0.04	0.29
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	20	0.28	0.08	0.26
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	20	0.28	0.08	0.26
(2,1010)	1:217:A:LEU:HD23	1:223:A:LEU:HB3	20	0.28	0.08	0.26
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG21	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG21	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG23	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG21	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG22	20	0.28	0.02	0.28
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG23	20	0.28	0.02	0.28
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB2	20	0.27	0.01	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	20	0.27	0.01	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	20	0.27	0.01	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1540)	1:224:A:ILE:HD13	1:213:A:VAL:H	20	0.27	0.03	0.26
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	20	0.27	0.03	0.26
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	20	0.27	0.03	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	20	0.27	0.01	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD13	20	0.27	0.01	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	20	0.27	0.01	0.27
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	20	0.25	0.03	0.24
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	20	0.25	0.07	0.23
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	20	0.25	0.04	0.25
(2,1477)	1:206:A:LEU:HD22	1:206:A:LEU:H	20	0.25	0.03	0.26
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	20	0.25	0.03	0.26
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	20	0.25	0.03	0.26
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	20	0.25	0.03	0.25
(2,1153)	1:205:A:VAL:HG12	1:190:A:GLN:H	20	0.25	0.03	0.25
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	20	0.25	0.03	0.25
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	20	0.25	0.03	0.24
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG21	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD13	1:213:A:VAL:HG21	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD13	1:213:A:VAL:HG23	20	0.25	0.05	0.24
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG23	20	0.25	0.05	0.24
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD12	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD13	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD13	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD11	20	0.25	0.02	0.24
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD12	20	0.25	0.02	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	20	0.24	0.01	0.24
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	20	0.23	0.04	0.22
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG23	20	0.23	0.04	0.22
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	20	0.23	0.04	0.22
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG22	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG23	20	0.23	0.03	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG23	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG21	20	0.23	0.03	0.23
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG22	20	0.23	0.03	0.23
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	20	0.23	0.04	0.22
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	20	0.23	0.04	0.24
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	20	0.22	0.04	0.21
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	20	0.22	0.04	0.21
(2,961)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	20	0.22	0.04	0.21
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB2	20	0.22	0.01	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	20	0.22	0.01	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	20	0.22	0.01	0.22
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG21	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG21	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG23	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG21	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG22	20	0.21	0.02	0.21
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG23	20	0.21	0.02	0.21
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	20	0.21	0.03	0.2
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	20	0.21	0.03	0.2
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	20	0.21	0.03	0.2
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	20	0.21	0.03	0.2
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	20	0.21	0.03	0.22
(2,1326)	1:215:A:VAL:HG22	1:216:A:GLN:H	20	0.21	0.03	0.22
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	20	0.21	0.03	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	20	0.21	0.02	0.22
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	20	0.2	0.01	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD13	20	0.2	0.01	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	20	0.2	0.01	0.2
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	20	0.2	0.02	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	20	0.2	0.01	0.2
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	20	0.2	0.02	0.19
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD22	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD22	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD21	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD23	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD23	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD23	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD21	20	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD21	20	0.2	0.02	0.2
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD22	20	0.2	0.02	0.2
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD12	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD13	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD13	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD11	20	0.2	0.02	0.19
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD12	20	0.2	0.02	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	20	0.19	0.02	0.2
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	20	0.19	0.04	0.19
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	20	0.18	0.01	0.18
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	20	0.18	0.01	0.18
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	20	0.18	0.01	0.18
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	20	0.18	0.07	0.15
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	20	0.17	0.02	0.17
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	20	0.17	0.02	0.17
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG21	20	0.17	0.02	0.17
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	20	0.17	0.02	0.17
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	20	0.17	0.02	0.17
(2,1232)	1:203:A:ALA:HB1	1:204:A:THR:H	20	0.17	0.02	0.17
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	20	0.17	0.01	0.16
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	20	0.16	0.02	0.16
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	20	0.16	0.02	0.16
(2,755)	1:203:A:ALA:HB1	1:204:A:THR:H	20	0.16	0.02	0.16
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	20	0.15	0.01	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	20	0.14	0.01	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	20	0.14	0.01	0.14
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	20	0.13	0.02	0.12
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	20	0.13	0.01	0.13
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	20	0.13	0.01	0.13
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	20	0.13	0.01	0.13
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	20	0.11	0.0	0.11
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB3	19	1.93	0.7	2.11
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	19	1.93	0.7	2.11
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB1	19	1.93	0.7	2.11
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB2	19	1.93	0.7	2.11
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	19	0.75	0.02	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	19	0.75	0.02	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG23	19	0.75	0.02	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	19	0.7	0.13	0.7
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	19	0.63	0.13	0.63
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	19	0.55	0.02	0.54
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	19	0.55	0.02	0.54
(2,592)	1:231:A:VAL:HG23	1:231:A:VAL:HA	19	0.55	0.02	0.54
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	19	0.51	0.18	0.52
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	19	0.51	0.18	0.52
(2,1422)	1:225:A:VAL:HG23	1:230:A:LEU:H	19	0.42	0.05	0.4
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	19	0.42	0.05	0.4
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	19	0.42	0.05	0.4
(1,40)	1:201:A:MET:H	1:194:A:VAL:HA	19	0.41	0.2	0.5
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	19	0.41	0.2	0.5
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	19	0.37	0.15	0.32
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	19	0.36	0.08	0.37
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	19	0.36	0.08	0.37
(2,444)	1:224:A:ILE:HG21	1:230:A:LEU:H	19	0.36	0.08	0.37
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	19	0.36	0.13	0.32
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	19	0.36	0.13	0.32
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	19	0.36	0.13	0.32
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	19	0.34	0.03	0.34
(2,335)	1:225:A:VAL:HG23	1:230:A:LEU:H	19	0.32	0.05	0.3
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	19	0.32	0.05	0.3
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	19	0.32	0.05	0.3
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	19	0.29	0.07	0.33
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	19	0.29	0.07	0.33
(1,10)	1:215:A:VAL:HG13	1:205:A:VAL:H	19	0.29	0.07	0.33
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	19	0.29	0.02	0.29
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	19	0.28	0.04	0.29
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	19	0.27	0.02	0.26
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	19	0.27	0.02	0.26
(2,885)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	19	0.27	0.02	0.26
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	19	0.23	0.04	0.23
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	19	0.23	0.04	0.23
(2,1167)	1:203:A:ALA:HB2	1:192:A:LEU:H	19	0.23	0.04	0.23
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	19	0.22	0.03	0.22
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	19	0.22	0.06	0.25
(2,1233)	1:215:A:VAL:HG22	1:204:A:THR:H	19	0.22	0.06	0.25
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	19	0.22	0.06	0.25
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	19	0.22	0.03	0.22
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB2	19	0.22	0.03	0.22
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	19	0.22	0.03	0.22
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	19	0.22	0.07	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	19	0.22	0.07	0.2
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD22	19	0.22	0.07	0.2
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	19	0.22	0.02	0.22
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	19	0.21	0.03	0.2
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG22	19	0.21	0.03	0.2
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG23	19	0.21	0.03	0.2
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	19	0.21	0.06	0.2
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD12	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD11	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD11	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD13	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD12	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD13	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD12	19	0.2	0.05	0.19
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD11	19	0.2	0.05	0.19
(2,446)	1:224:A:ILE:HD13	1:213:A:VAL:H	19	0.19	0.03	0.19
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	19	0.19	0.03	0.19
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	19	0.19	0.03	0.19
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	19	0.19	0.03	0.19
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG22	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG23	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG21	19	0.18	0.03	0.18
(2,662)	1:205:A:VAL:HG11	1:188:A:VAL:HG22	19	0.18	0.03	0.18
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	19	0.18	0.03	0.17
(2,382)	1:206:A:LEU:HD22	1:206:A:LEU:H	19	0.17	0.02	0.18
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	19	0.17	0.02	0.18
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	19	0.17	0.02	0.18
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	19	0.17	0.02	0.17
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	19	0.17	0.02	0.17
(2,584)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	19	0.17	0.02	0.17
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	19	0.17	0.03	0.17
(2,115)	1:205:A:VAL:HG12	1:190:A:GLN:H	19	0.17	0.03	0.17
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	19	0.17	0.03	0.17
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	19	0.17	0.04	0.17
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG13	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG11	19	0.15	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG13	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG12	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG11	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG12	19	0.15	0.02	0.14
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG12	19	0.15	0.02	0.14
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	19	0.14	0.02	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	19	0.14	0.01	0.15
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	19	0.14	0.01	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	19	0.14	0.01	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	19	0.14	0.01	0.14
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	19	0.14	0.02	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	19	0.13	0.01	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	19	0.13	0.01	0.13
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	19	0.13	0.02	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	19	0.13	0.01	0.13
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	18	0.68	0.24	0.66
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	18	0.68	0.24	0.66
(2,1008)	1:217:A:LEU:HD22	1:221:A:MET:HB2	18	0.68	0.24	0.66
(1,17)	1:201:A:MET:H	1:194:A:VAL:HA	18	0.42	0.19	0.5
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	18	0.42	0.19	0.5
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	18	0.29	0.02	0.29
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	18	0.29	0.12	0.33
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	18	0.26	0.03	0.26
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	18	0.26	0.03	0.26
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG13	18	0.26	0.03	0.26
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	18	0.24	0.04	0.24
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG23	18	0.24	0.04	0.24
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	18	0.24	0.04	0.24
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	18	0.22	0.04	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG23	18	0.22	0.04	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	18	0.22	0.04	0.22
(1,13)	1:223:A:LEU:H	1:217:A:LEU:HD13	18	0.22	0.04	0.22
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	18	0.19	0.03	0.19
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	18	0.19	0.03	0.19
(2,392)	1:191:A:ALA:HB1	1:203:A:ALA:H	18	0.19	0.03	0.19
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	18	0.19	0.03	0.18
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	18	0.19	0.03	0.18
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG13	18	0.19	0.03	0.18
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG21	18	0.19	0.05	0.2
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	18	0.19	0.05	0.2
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG22	18	0.19	0.05	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	18	0.15	0.03	0.15
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	18	0.15	0.03	0.15
(2,266)	1:215:A:VAL:HG22	1:216:A:GLN:H	18	0.15	0.03	0.15
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	18	0.15	0.03	0.14
(2,673)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	18	0.15	0.03	0.14
(2,673)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	18	0.15	0.03	0.14
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG13	18	0.14	0.02	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	18	0.14	0.02	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	18	0.14	0.02	0.15
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	18	0.11	0.01	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG23	18	0.11	0.01	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG21	18	0.11	0.01	0.11
(1,14)	1:230:A:LEU:HD21	1:226:A:ARG:H	17	0.66	0.1	0.63
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	17	0.66	0.1	0.63
(1,14)	1:230:A:LEU:HD23	1:226:A:ARG:H	17	0.66	0.1	0.63
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	17	0.66	0.2	0.6
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	17	0.66	0.2	0.6
(2,717)	1:217:A:LEU:HD22	1:221:A:MET:HB2	17	0.66	0.2	0.6
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	17	0.55	0.39	0.22
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	17	0.53	0.44	0.28
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	17	0.52	0.24	0.52
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	17	0.46	0.15	0.46
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	17	0.46	0.15	0.46
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	17	0.44	0.15	0.44
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	17	0.44	0.15	0.44
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG22	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG21	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG22	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG23	17	0.41	0.06	0.42
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG23	17	0.41	0.06	0.42
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG22	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG21	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG22	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG23	17	0.33	0.06	0.34
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG23	17	0.33	0.06	0.34
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	17	0.28	0.11	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	17	0.27	0.01	0.28
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	17	0.24	0.1	0.19
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	17	0.24	0.1	0.19
(2,671)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	17	0.24	0.1	0.19
(2,242)	1:209:A:THR:HG23	1:212:A:GLY:H	17	0.23	0.07	0.22
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	17	0.23	0.07	0.22
(2,242)	1:209:A:THR:HG22	1:212:A:GLY:H	17	0.23	0.07	0.22
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	17	0.22	0.1	0.17
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	17	0.21	0.06	0.23
(2,911)	1:217:A:LEU:HD12	1:216:A:GLN:HA	17	0.21	0.06	0.23
(2,911)	1:217:A:LEU:HD13	1:216:A:GLN:HA	17	0.21	0.06	0.23
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	17	0.18	0.1	0.16
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	17	0.15	0.03	0.15
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	17	0.15	0.03	0.15
(2,127)	1:203:A:ALA:HB2	1:192:A:LEU:H	17	0.15	0.03	0.15
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	17	0.15	0.04	0.14
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG23	17	0.15	0.04	0.14
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG21	17	0.15	0.04	0.14
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	16	0.9	0.11	0.88
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	16	0.83	0.11	0.81
(2,1208)	1:196:A:ALA:HB3	1:199:A:ASN:H	16	0.51	0.17	0.57
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	16	0.51	0.17	0.57
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	16	0.51	0.17	0.57
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	16	0.27	0.39	0.17
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD11	16	0.27	0.39	0.17
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD12	16	0.27	0.39	0.17
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	16	0.23	0.09	0.2
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	16	0.23	0.09	0.2
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	16	0.2	0.06	0.2
(2,202)	1:188:A:VAL:HG11	1:206:A:LEU:H	16	0.13	0.02	0.12
(2,202)	1:188:A:VAL:HG12	1:206:A:LEU:H	16	0.13	0.02	0.12
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	16	0.13	0.02	0.12
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD21	16	0.13	0.02	0.12
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	16	0.13	0.02	0.12
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD22	16	0.13	0.02	0.12
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	15	0.76	0.18	0.8
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	15	0.67	0.18	0.71
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	15	0.5	0.47	0.14
(2,1566)	1:192:A:LEU:HD12	1:190:A:GLN:HE21	15	0.48	0.19	0.57
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	15	0.48	0.19	0.57
(2,1566)	1:192:A:LEU:HD13	1:190:A:GLN:HE21	15	0.48	0.19	0.57
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	15	0.32	0.0	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	15	0.21	0.15	0.19
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	15	0.14	0.02	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	15	0.13	0.02	0.13
(2,160)	1:196:A:ALA:HB3	1:199:A:ASN:H	14	0.43	0.11	0.46
(2,160)	1:196:A:ALA:HB2	1:199:A:ASN:H	14	0.43	0.11	0.46
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	14	0.43	0.11	0.46
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	14	0.4	0.12	0.45
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB1	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB3	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB1	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB3	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB2	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB2	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB2	14	0.25	0.09	0.27
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB1	14	0.25	0.09	0.27
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	14	0.13	0.03	0.12
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	13	0.76	0.47	0.95
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	13	0.69	0.35	0.64
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	13	0.62	0.65	0.11
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	13	0.48	0.16	0.46
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	13	0.48	0.24	0.31
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	13	0.39	0.24	0.22
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	13	0.35	0.02	0.35
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	13	0.26	0.01	0.26
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	13	0.22	0.05	0.22
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	13	0.19	0.05	0.18
(2,924)	1:183:A:ILE:HG23	1:184:A:SER:HA	13	0.19	0.05	0.18
(2,924)	1:183:A:ILE:HG21	1:184:A:SER:HA	13	0.19	0.05	0.18
(2,183)	1:215:A:VAL:HG21	1:204:A:THR:H	13	0.18	0.02	0.18
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	13	0.18	0.02	0.18
(2,183)	1:215:A:VAL:HG22	1:204:A:THR:H	13	0.18	0.02	0.18
(2,1314)	1:215:A:VAL:HG11	1:214:A:ARG:H	13	0.18	0.02	0.18
(2,1314)	1:215:A:VAL:HG13	1:214:A:ARG:H	13	0.18	0.02	0.18
(2,1314)	1:215:A:VAL:HG12	1:214:A:ARG:H	13	0.18	0.02	0.18
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	13	0.14	0.02	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG12	13	0.14	0.02	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG13	13	0.14	0.02	0.15
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	13	0.13	0.02	0.12
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	13	0.11	0.01	0.11
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	12	1.28	0.16	1.31
(1,15)	1:203:A:ALA:HB2	1:222:A:SER:H	12	1.28	0.16	1.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,15)	1:203:A:ALA:HB1	1:222:A:SER:H	12	1.28	0.16	1.31
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	12	0.6	0.32	0.56
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	12	0.58	0.05	0.59
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB1	12	0.54	0.12	0.55
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB2	12	0.54	0.12	0.55
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB3	12	0.54	0.12	0.55
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	12	0.52	0.05	0.53
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG13	12	0.4	0.03	0.39
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	12	0.4	0.03	0.39
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG12	12	0.4	0.03	0.39
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD13	12	0.34	0.16	0.37
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD13	12	0.34	0.16	0.37
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	12	0.34	0.16	0.37
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD12	12	0.34	0.16	0.37
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD11	12	0.34	0.16	0.37
(2,903)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	12	0.34	0.16	0.37
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG13	12	0.32	0.03	0.32
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	12	0.32	0.03	0.32
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG12	12	0.32	0.03	0.32
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	12	0.32	0.08	0.34
(2,980)	1:196:A:ALA:HB1	1:194:A:VAL:HG11	12	0.31	0.1	0.32
(2,980)	1:196:A:ALA:HB1	1:194:A:VAL:HG12	12	0.31	0.1	0.32
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG11	12	0.31	0.1	0.32
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG12	12	0.31	0.1	0.32
(2,980)	1:196:A:ALA:HB3	1:194:A:VAL:HG13	12	0.31	0.1	0.32
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG13	12	0.31	0.1	0.32
(2,980)	1:196:A:ALA:HB3	1:194:A:VAL:HG11	12	0.31	0.1	0.32
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	12	0.25	0.32	0.13
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG22	12	0.19	0.08	0.16
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG21	12	0.19	0.08	0.16
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG22	12	0.19	0.08	0.16
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG21	12	0.19	0.08	0.16
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG23	12	0.19	0.08	0.16
(2,943)	1:215:A:VAL:HG12	1:224:A:ILE:HG21	12	0.19	0.08	0.16
(2,1484)	1:205:A:VAL:HG23	1:204:A:THR:H	12	0.15	0.03	0.15
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	12	0.15	0.03	0.15
(2,1484)	1:205:A:VAL:HG21	1:204:A:THR:H	12	0.15	0.03	0.15
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	12	0.13	0.02	0.13
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	12	0.13	0.01	0.13
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG12	12	0.13	0.01	0.13
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG13	12	0.13	0.01	0.13
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	12	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG22	12	0.13	0.02	0.12
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG23	12	0.13	0.02	0.12
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	12	0.12	0.02	0.12
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	11	0.87	0.27	0.87
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	11	0.74	0.27	0.73
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	11	0.71	0.64	0.16
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	11	0.61	0.48	0.34
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB1	11	0.46	0.05	0.45
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB2	11	0.46	0.05	0.45
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB3	11	0.46	0.05	0.45
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	11	0.36	0.06	0.37
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	11	0.34	0.01	0.34
(2,836)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	11	0.31	0.3	0.15
(2,836)	1:200:A:ALA:HB2	1:193:A:LYS:HG2	11	0.31	0.3	0.15
(2,836)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	11	0.31	0.3	0.15
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	11	0.25	0.2	0.16
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	11	0.24	0.01	0.24
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	11	0.22	0.04	0.22
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	11	0.21	0.03	0.22
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD21	11	0.19	0.07	0.16
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	11	0.19	0.07	0.16
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD22	11	0.19	0.07	0.16
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	11	0.17	0.04	0.17
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	11	0.16	0.03	0.15
(2,620)	1:217:A:LEU:HD12	1:216:A:GLN:HA	11	0.16	0.03	0.15
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	11	0.13	0.02	0.12
(2,416)	1:185:A:ALA:HB1	1:186:A:LEU:H	11	0.12	0.01	0.12
(2,416)	1:185:A:ALA:HB3	1:186:A:LEU:H	11	0.12	0.01	0.12
(2,416)	1:185:A:ALA:HB2	1:186:A:LEU:H	11	0.12	0.01	0.12
(2,983)	1:196:A:ALA:HB2	1:201:A:MET:HE3	10	0.47	0.13	0.46
(2,983)	1:196:A:ALA:HB3	1:201:A:MET:HE2	10	0.47	0.13	0.46
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE2	10	0.47	0.13	0.46
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE3	10	0.47	0.13	0.46
(2,983)	1:196:A:ALA:HB3	1:201:A:MET:HE3	10	0.47	0.13	0.46
(2,983)	1:196:A:ALA:HB2	1:201:A:MET:HE1	10	0.47	0.13	0.46
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	10	0.46	0.06	0.47
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	10	0.41	0.1	0.44
(2,695)	1:196:A:ALA:HB2	1:201:A:MET:HE3	10	0.39	0.13	0.38
(2,695)	1:196:A:ALA:HB3	1:201:A:MET:HE2	10	0.39	0.13	0.38
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE2	10	0.39	0.13	0.38
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE3	10	0.39	0.13	0.38
(2,695)	1:196:A:ALA:HB3	1:201:A:MET:HE3	10	0.39	0.13	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,695)	1:196:A:ALA:HB2	1:201:A:MET:HE1	10	0.39	0.13	0.38
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	10	0.34	0.06	0.35
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB1	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB3	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB1	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB2	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG11	1:203:A:ALA:HB2	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB2	10	0.22	0.07	0.24
(2,657)	1:215:A:VAL:HG11	1:203:A:ALA:HB1	10	0.22	0.07	0.24
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	10	0.18	0.06	0.16
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	10	0.16	0.04	0.16
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	10	0.15	0.02	0.14
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	10	0.13	0.02	0.13
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	10	0.12	0.02	0.11
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	9	0.96	0.22	0.95
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	9	0.49	0.2	0.46
(2,984)	1:217:A:LEU:HD21	1:221:A:MET:HE1	9	0.4	0.13	0.39
(2,984)	1:217:A:LEU:HD22	1:221:A:MET:HE2	9	0.4	0.13	0.39
(2,984)	1:217:A:LEU:HD22	1:221:A:MET:HE1	9	0.4	0.13	0.39
(2,984)	1:217:A:LEU:HD21	1:221:A:MET:HE3	9	0.4	0.13	0.39
(2,984)	1:217:A:LEU:HD23	1:221:A:MET:HE1	9	0.4	0.13	0.39
(2,984)	1:217:A:LEU:HD23	1:221:A:MET:HE3	9	0.4	0.13	0.39
(2,984)	1:217:A:LEU:HD21	1:221:A:MET:HE2	9	0.4	0.13	0.39
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	9	0.37	0.01	0.37
(2,606)	1:203:A:ALA:HB1	1:192:A:LEU:HD13	9	0.34	0.12	0.36
(2,606)	1:203:A:ALA:HB3	1:192:A:LEU:HD13	9	0.34	0.12	0.36
(2,606)	1:203:A:ALA:HB1	1:192:A:LEU:HD12	9	0.34	0.12	0.36
(2,606)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	9	0.34	0.12	0.36
(2,606)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	9	0.34	0.12	0.36
(2,696)	1:217:A:LEU:HD21	1:221:A:MET:HE1	9	0.34	0.13	0.33
(2,696)	1:217:A:LEU:HD22	1:221:A:MET:HE2	9	0.34	0.13	0.33
(2,696)	1:217:A:LEU:HD22	1:221:A:MET:HE1	9	0.34	0.13	0.33
(2,696)	1:217:A:LEU:HD21	1:221:A:MET:HE3	9	0.34	0.13	0.33
(2,696)	1:217:A:LEU:HD23	1:221:A:MET:HE1	9	0.34	0.13	0.33
(2,696)	1:217:A:LEU:HD23	1:221:A:MET:HE3	9	0.34	0.13	0.33
(2,696)	1:217:A:LEU:HD21	1:221:A:MET:HE2	9	0.34	0.13	0.33
(2,1200)	1:194:A:VAL:HG22	1:196:A:ALA:H	9	0.24	0.05	0.22
(2,1200)	1:194:A:VAL:HG21	1:196:A:ALA:H	9	0.24	0.05	0.22
(2,1200)	1:194:A:VAL:HG23	1:196:A:ALA:H	9	0.24	0.05	0.22
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD22	9	0.21	0.11	0.15
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD21	9	0.21	0.11	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD23	9	0.21	0.11	0.15
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	9	0.14	0.03	0.14
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	9	0.13	0.02	0.13
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB1	9	0.13	0.02	0.13
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	8	1.09	0.42	1.26
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	8	0.83	0.1	0.85
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	8	0.68	0.45	0.62
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	8	0.41	0.32	0.2
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	8	0.37	0.07	0.37
(2,1191)	1:194:A:VAL:HG22	1:195:A:LYS:H	8	0.37	0.02	0.38
(2,1191)	1:194:A:VAL:HG21	1:195:A:LYS:H	8	0.37	0.02	0.38
(2,1191)	1:194:A:VAL:HG23	1:195:A:LYS:H	8	0.37	0.02	0.38
(2,1537)	1:231:A:VAL:HG23	1:193:A:LYS:H	8	0.36	0.09	0.38
(2,1537)	1:231:A:VAL:HG21	1:193:A:LYS:H	8	0.36	0.09	0.38
(2,1537)	1:231:A:VAL:HG22	1:193:A:LYS:H	8	0.36	0.09	0.38
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	8	0.3	0.01	0.3
(2,145)	1:194:A:VAL:HG22	1:195:A:LYS:H	8	0.3	0.02	0.3
(2,145)	1:194:A:VAL:HG21	1:195:A:LYS:H	8	0.3	0.02	0.3
(2,145)	1:194:A:VAL:HG23	1:195:A:LYS:H	8	0.3	0.02	0.3
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	8	0.28	0.08	0.28
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	8	0.25	0.01	0.24
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	8	0.23	0.01	0.22
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD22	8	0.21	0.11	0.15
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD23	8	0.21	0.11	0.15
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD21	8	0.21	0.11	0.15
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	8	0.2	0.09	0.22
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	8	0.19	0.18	0.12
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	8	0.16	0.13	0.12
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	8	0.16	0.02	0.16
(2,152)	1:194:A:VAL:HG22	1:196:A:ALA:H	8	0.15	0.05	0.12
(2,152)	1:194:A:VAL:HG23	1:196:A:ALA:H	8	0.15	0.05	0.12
(2,152)	1:194:A:VAL:HG21	1:196:A:ALA:H	8	0.15	0.05	0.12
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	8	0.14	0.05	0.12
(2,708)	1:188:A:VAL:HG23	1:208:A:ILE:HD12	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG23	1:208:A:ILE:HD11	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG22	1:208:A:ILE:HD12	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG21	1:208:A:ILE:HD13	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG22	1:208:A:ILE:HD13	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG21	1:208:A:ILE:HD12	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	8	0.14	0.03	0.15
(2,708)	1:188:A:VAL:HG22	1:208:A:ILE:HD11	8	0.14	0.03	0.15
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG21	8	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG23	8	0.13	0.02	0.12
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG22	8	0.13	0.02	0.12
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	8	0.12	0.01	0.12
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	7	1.15	0.2	1.2
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	7	0.45	0.43	0.39
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	7	0.42	0.11	0.46
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	7	0.42	0.0	0.42
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	7	0.35	0.2	0.38
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	7	0.34	0.2	0.37
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG11	7	0.33	0.17	0.38
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG12	7	0.33	0.17	0.38
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG13	7	0.33	0.17	0.38
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	7	0.3	0.15	0.24
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	7	0.16	0.06	0.14
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	7	0.15	0.04	0.13
(2,1266)	1:205:A:VAL:HG12	1:207:A:GLU:H	7	0.14	0.04	0.11
(2,1266)	1:205:A:VAL:HG11	1:207:A:GLU:H	7	0.14	0.04	0.11
(2,1266)	1:205:A:VAL:HG13	1:207:A:GLU:H	7	0.14	0.04	0.11
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	7	0.12	0.0	0.12
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	7	0.12	0.01	0.11
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	7	0.11	0.01	0.11
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	7	0.11	0.0	0.11
(2,835)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	6	1.42	0.08	1.41
(2,835)	1:200:A:ALA:HB3	1:193:A:LYS:HB3	6	1.42	0.08	1.41
(2,835)	1:200:A:ALA:HB2	1:193:A:LYS:HB3	6	1.42	0.08	1.41
(2,536)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	6	1.34	0.08	1.33
(2,536)	1:200:A:ALA:HB3	1:193:A:LYS:HB3	6	1.34	0.08	1.33
(2,536)	1:200:A:ALA:HB2	1:193:A:LYS:HB3	6	1.34	0.08	1.33
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	6	0.96	0.11	0.98
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	6	0.82	0.3	0.94
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	6	0.79	0.3	0.92
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	6	0.77	0.12	0.73
(2,982)	1:201:A:MET:HE1	1:201:A:MET:HG2	6	0.7	0.02	0.69
(2,982)	1:201:A:MET:HE2	1:201:A:MET:HG2	6	0.7	0.02	0.69
(2,694)	1:201:A:MET:HE1	1:201:A:MET:HG2	6	0.61	0.02	0.61
(2,694)	1:201:A:MET:HE2	1:201:A:MET:HG2	6	0.61	0.02	0.61
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	6	0.54	0.14	0.61
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	6	0.48	0.26	0.65
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	6	0.46	0.14	0.53
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	6	0.38	0.18	0.32
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	6	0.38	0.0	0.38
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	6	0.33	0.09	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB1	6	0.25	0.08	0.24
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB3	6	0.25	0.08	0.24
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB2	6	0.25	0.08	0.24
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	6	0.24	0.1	0.24
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	6	0.14	0.05	0.12
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	6	0.12	0.01	0.12
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	6	0.11	0.01	0.11
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	6	0.11	0.0	0.11
(2,138)	1:193:A:LYS:HG2	1:194:A:VAL:H	5	1.34	0.08	1.3
(2,1105)	1:184:A:SER:HB3	1:184:A:SER:H	5	0.85	0.01	0.85
(2,72)	1:184:A:SER:HB3	1:184:A:SER:H	5	0.79	0.01	0.79
(2,1310)	1:214:A:ARG:HB3	1:214:A:ARG:H	5	0.73	0.02	0.74
(2,761)	1:214:A:ARG:HB3	1:214:A:ARG:H	5	0.72	0.02	0.73
(2,1198)	1:195:A:LYS:HG3	1:196:A:ALA:H	5	0.67	0.39	0.49
(2,150)	1:195:A:LYS:HG3	1:196:A:ALA:H	5	0.58	0.39	0.4
(1,25)	1:193:A:LYS:HE2	1:194:A:VAL:H	5	0.57	0.41	0.38
(1,25)	1:195:A:LYS:HE3	1:194:A:VAL:H	5	0.57	0.41	0.38
(1,25)	1:218:A:ASN:HB3	1:194:A:VAL:H	5	0.57	0.41	0.38
(2,1214)	1:201:A:MET:H	1:193:A:LYS:HG2	5	0.46	0.15	0.41
(2,1174)	1:192:A:LEU:HB3	1:193:A:LYS:H	5	0.42	0.02	0.42
(2,747)	1:192:A:LEU:HB3	1:193:A:LYS:H	5	0.41	0.02	0.41
(2,168)	1:201:A:MET:H	1:193:A:LYS:HG2	5	0.37	0.15	0.32
(2,920)	1:181:A:SER:HB2	1:181:A:SER:H	5	0.32	0.14	0.26
(2,479)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	5	0.32	0.16	0.24
(2,231)	1:210:A:LYS:HB2	1:211:A:ASP:H	5	0.3	0.23	0.13
(2,143)	1:195:A:LYS:HB2	1:195:A:LYS:H	5	0.3	0.12	0.34
(2,921)	1:184:A:SER:HB2	1:184:A:SER:HA	5	0.24	0.0	0.24
(2,635)	1:184:A:SER:HB3	1:184:A:SER:H	5	0.21	0.01	0.21
(2,1106)	1:182:A:ASP:HB2	1:184:A:SER:H	5	0.21	0.02	0.2
(2,1454)	1:217:A:LEU:HD23	1:221:A:MET:H	5	0.2	0.05	0.17
(2,1454)	1:217:A:LEU:HD21	1:221:A:MET:H	5	0.2	0.05	0.17
(2,1454)	1:217:A:LEU:HD22	1:221:A:MET:H	5	0.2	0.05	0.17
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB1	5	0.2	0.06	0.2
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB3	5	0.2	0.06	0.2
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB2	5	0.2	0.06	0.2
(2,656)	1:215:A:VAL:HG11	1:224:A:ILE:HG22	5	0.2	0.07	0.18
(2,656)	1:215:A:VAL:HG13	1:224:A:ILE:HG22	5	0.2	0.07	0.18
(2,656)	1:215:A:VAL:HG13	1:224:A:ILE:HG21	5	0.2	0.07	0.18
(2,656)	1:215:A:VAL:HG11	1:224:A:ILE:HG21	5	0.2	0.07	0.18
(2,656)	1:215:A:VAL:HG12	1:224:A:ILE:HG21	5	0.2	0.07	0.18
(2,1183)	1:203:A:ALA:HB2	1:194:A:VAL:H	5	0.2	0.05	0.19
(2,1183)	1:203:A:ALA:HB3	1:194:A:VAL:H	5	0.2	0.05	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1183)	1:203:A:ALA:HB1	1:194:A:VAL:H	5	0.2	0.05	0.19
(2,126)	1:192:A:LEU:H	1:192:A:LEU:HB2	5	0.18	0.04	0.19
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD21	5	0.17	0.04	0.18
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD22	5	0.17	0.04	0.18
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD23	5	0.17	0.04	0.18
(2,633)	1:184:A:SER:HB2	1:184:A:SER:HA	5	0.17	0.0	0.17
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG23	5	0.15	0.03	0.15
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG22	5	0.15	0.03	0.15
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG21	5	0.15	0.03	0.15
(2,637)	1:183:A:ILE:HG23	1:184:A:SER:HA	5	0.15	0.02	0.15
(2,637)	1:183:A:ILE:HG22	1:184:A:SER:HA	5	0.15	0.02	0.15
(2,187)	1:216:A:GLN:HG2	1:204:A:THR:H	5	0.13	0.02	0.14
(2,1483)	1:218:A:ASN:H	1:204:A:THR:H	5	0.13	0.03	0.12
(2,784)	1:185:A:ALA:H	1:232:A:PHE:HD2	5	0.13	0.01	0.13
(2,854)	1:180:A:VAL:HA	1:182:A:ASP:H	5	0.12	0.01	0.12
(2,255)	1:215:A:VAL:HG11	1:214:A:ARG:H	5	0.11	0.01	0.11
(2,255)	1:215:A:VAL:HG12	1:214:A:ARG:H	5	0.11	0.01	0.11
(2,1306)	1:212:A:GLY:HA2	1:213:A:VAL:H	5	0.11	0.0	0.11
(2,1340)	1:216:A:GLN:HG2	1:217:A:LEU:H	4	1.25	0.13	1.29
(2,278)	1:216:A:GLN:HG2	1:217:A:LEU:H	4	1.16	0.14	1.2
(2,1573)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	4	0.89	0.43	0.7
(2,471)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	4	0.74	0.43	0.55
(2,1011)	1:221:A:MET:HE3	1:221:A:MET:HG2	4	0.62	0.01	0.62
(2,1011)	1:221:A:MET:HE1	1:221:A:MET:HG2	4	0.62	0.01	0.62
(2,652)	1:221:A:MET:HA	1:221:A:MET:HG2	4	0.58	0.02	0.58
(2,719)	1:221:A:MET:HE3	1:221:A:MET:HG2	4	0.54	0.01	0.54
(2,719)	1:221:A:MET:HE1	1:221:A:MET:HG2	4	0.54	0.01	0.54
(2,537)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	4	0.53	0.35	0.54
(2,537)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	4	0.53	0.35	0.54
(2,857)	1:181:A:SER:HB2	1:181:A:SER:HA	4	0.38	0.01	0.38
(2,441)	1:181:A:SER:H	1:180:A:VAL:HG12	4	0.36	0.1	0.32
(2,441)	1:181:A:SER:H	1:180:A:VAL:HG11	4	0.36	0.1	0.32
(2,1532)	1:180:A:VAL:HG13	1:182:A:ASP:H	4	0.35	0.15	0.28
(2,1532)	1:180:A:VAL:HG12	1:182:A:ASP:H	4	0.35	0.15	0.28
(2,1532)	1:180:A:VAL:HG11	1:182:A:ASP:H	4	0.35	0.15	0.28
(2,1390)	1:226:A:ARG:H	1:226:A:ARG:HB3	4	0.31	0.1	0.3
(2,632)	1:181:A:SER:HB2	1:181:A:SER:H	4	0.27	0.13	0.28
(2,314)	1:226:A:ARG:H	1:226:A:ARG:HB3	4	0.23	0.1	0.22
(2,437)	1:180:A:VAL:HG13	1:182:A:ASP:H	4	0.22	0.15	0.16
(2,437)	1:180:A:VAL:HG12	1:182:A:ASP:H	4	0.22	0.15	0.16
(2,437)	1:180:A:VAL:HG11	1:182:A:ASP:H	4	0.22	0.15	0.16
(2,1392)	1:226:A:ARG:HB2	1:226:A:ARG:H	4	0.21	0.01	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,28)	1:231:A:VAL:HG22	1:193:A:LYS:H	4	0.2	0.07	0.22
(1,28)	1:224:A:ILE:HD13	1:193:A:LYS:H	4	0.2	0.07	0.22
(1,28)	1:192:A:LEU:HD23	1:193:A:LYS:H	4	0.2	0.07	0.22
(2,1209)	1:199:A:ASN:HB2	1:200:A:ALA:H	4	0.19	0.08	0.17
(2,1190)	1:195:A:LYS:H	1:195:A:LYS:HB3	4	0.16	0.06	0.12
(2,973)	1:186:A:LEU:HD11	1:186:A:LEU:HB3	4	0.14	0.03	0.14
(2,973)	1:186:A:LEU:HD13	1:186:A:LEU:HB3	4	0.14	0.03	0.14
(2,1414)	1:229:A:HIS:HB2	1:229:A:HIS:H	4	0.14	0.02	0.15
(2,599)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	4	0.13	0.01	0.13
(2,599)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	4	0.13	0.01	0.13
(2,599)	1:231:A:VAL:HG23	1:231:A:VAL:HG13	4	0.13	0.01	0.13
(2,783)	1:186:A:LEU:H	1:232:A:PHE:HD2	4	0.12	0.02	0.12
(2,315)	1:226:A:ARG:HB2	1:226:A:ARG:H	4	0.12	0.02	0.12
(2,1476)	1:206:A:LEU:H	1:216:A:GLN:HB2	4	0.11	0.0	0.11
(2,1229)	1:203:A:ALA:HB2	1:203:A:ALA:H	4	0.11	0.01	0.11
(2,1229)	1:203:A:ALA:HB1	1:203:A:ALA:H	4	0.11	0.01	0.11
(2,1421)	1:230:A:LEU:HD13	1:230:A:LEU:H	3	1.22	0.05	1.2
(2,1421)	1:230:A:LEU:HD12	1:230:A:LEU:H	3	1.22	0.05	1.2
(2,774)	1:230:A:LEU:HD13	1:230:A:LEU:H	3	1.2	0.05	1.19
(2,774)	1:230:A:LEU:HD12	1:230:A:LEU:H	3	1.2	0.05	1.19
(2,1017)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	3	0.88	0.0	0.88
(2,726)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	3	0.81	0.0	0.81
(2,642)	1:223:A:LEU:H	1:222:A:SER:HB3	3	0.72	0.03	0.73
(2,476)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	3	0.72	0.02	0.73
(2,1364)	1:221:A:MET:HG2	1:222:A:SER:H	3	0.53	0.37	0.43
(2,1423)	1:230:A:LEU:HB3	1:230:A:LEU:H	3	0.5	0.06	0.48
(2,299)	1:221:A:MET:HG2	1:222:A:SER:H	3	0.48	0.34	0.35
(2,336)	1:230:A:LEU:HB3	1:230:A:LEU:H	3	0.43	0.06	0.42
(2,932)	1:210:A:LYS:HA	1:210:A:LYS:HB3	3	0.21	0.0	0.21
(2,1063)	1:191:A:ALA:H	1:190:A:GLN:HE22	3	0.2	0.04	0.19
(2,535)	1:201:A:MET:H	1:200:A:ALA:HB3	3	0.17	0.04	0.17
(2,535)	1:201:A:MET:H	1:200:A:ALA:HB1	3	0.17	0.04	0.17
(2,1365)	1:216:A:GLN:HA	1:222:A:SER:H	3	0.15	0.03	0.16
(2,1173)	1:232:A:PHE:HB3	1:193:A:LYS:H	3	0.14	0.02	0.13
(2,1177)	1:200:A:ALA:HA	1:194:A:VAL:H	3	0.14	0.02	0.14
(2,646)	1:210:A:LYS:HA	1:210:A:LYS:HB3	3	0.13	0.0	0.13
(2,140)	1:200:A:ALA:HA	1:195:A:LYS:H	3	0.12	0.01	0.12
(2,1051)	1:201:A:MET:H	1:196:A:ALA:H	3	0.12	0.01	0.12
(2,1510)	1:190:A:GLN:HG2	1:187:A:THR:H	3	0.12	0.01	0.12
(2,1408)	1:228:A:GLU:H	1:228:A:GLU:HB3	3	0.12	0.01	0.11
(2,1228)	1:215:A:VAL:HB	1:203:A:ALA:H	3	0.11	0.01	0.12
(2,691)	1:194:A:VAL:HB	1:194:A:VAL:HG12	3	0.11	0.0	0.11

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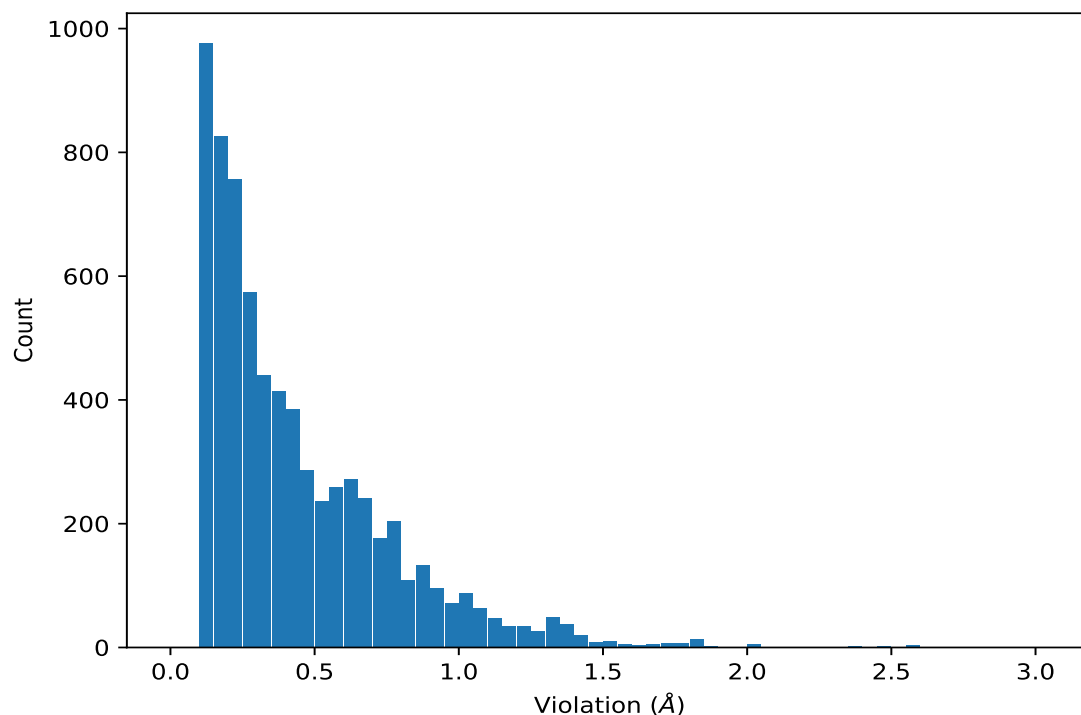
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,691)	1:194:A:VAL:HB	1:194:A:VAL:HG13	3	0.11	0.0	0.11
(2,658)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	3	0.11	0.0	0.11
(2,658)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	3	0.11	0.0	0.11
(2,658)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	3	0.11	0.0	0.11
(2,1293)	1:209:A:THR:HB	1:211:A:ASP:H	3	0.1	0.0	0.1
(2,855)	1:180:A:VAL:HA	1:180:A:VAL:HG13	2	1.16	0.02	1.16
(2,855)	1:180:A:VAL:HA	1:180:A:VAL:HG12	2	1.16	0.02	1.16
(2,715)	1:221:A:MET:HG2	1:217:A:LEU:HD13	2	0.96	0.73	0.96
(2,715)	1:221:A:MET:HG2	1:217:A:LEU:HD11	2	0.96	0.73	0.96
(2,147)	1:199:A:ASN:HB2	1:196:A:ALA:H	2	0.68	0.5	0.68
(2,1290)	1:211:A:ASP:HB2	1:211:A:ASP:H	2	0.64	0.01	0.64
(2,236)	1:211:A:ASP:HB2	1:211:A:ASP:H	2	0.57	0.01	0.57
(2,1296)	1:210:A:LYS:HB2	1:212:A:GLY:H	2	0.56	0.04	0.56
(2,241)	1:210:A:LYS:HB2	1:212:A:GLY:H	2	0.44	0.04	0.44
(2,1192)	1:195:A:LYS:HA	1:196:A:ALA:H	2	0.2	0.0	0.2
(2,751)	1:195:A:LYS:HA	1:196:A:ALA:H	2	0.2	0.01	0.2
(2,1086)	1:232:A:PHE:H	1:231:A:VAL:HA	2	0.19	0.02	0.19
(2,1199)	1:196:A:ALA:HB1	1:196:A:ALA:H	2	0.19	0.05	0.19
(2,361)	1:217:A:LEU:HD21	1:221:A:MET:H	2	0.18	0.01	0.18
(2,361)	1:217:A:LEU:HD22	1:221:A:MET:H	2	0.18	0.01	0.18
(2,1019)	1:231:A:VAL:HG22	1:193:A:LYS:HB3	2	0.18	0.04	0.18
(2,1019)	1:231:A:VAL:HG21	1:193:A:LYS:HB3	2	0.18	0.04	0.18
(2,440)	1:181:A:SER:HB2	1:181:A:SER:H	2	0.16	0.01	0.16
(2,162)	1:199:A:ASN:HB2	1:200:A:ALA:H	2	0.16	0.04	0.16
(2,139)	1:203:A:ALA:HB2	1:194:A:VAL:H	2	0.16	0.02	0.16
(2,139)	1:203:A:ALA:HB3	1:194:A:VAL:H	2	0.16	0.02	0.16
(2,55)	1:232:A:PHE:H	1:231:A:VAL:HA	2	0.13	0.02	0.13
(2,296)	1:221:A:MET:H	1:219:A:SER:HB3	2	0.13	0.0	0.13
(2,73)	1:182:A:ASP:HB2	1:184:A:SER:H	2	0.12	0.0	0.12
(2,213)	1:205:A:VAL:HG11	1:207:A:GLU:H	2	0.12	0.01	0.12
(2,1345)	1:221:A:MET:HA	1:217:A:LEU:H	2	0.12	0.01	0.12
(2,1446)	1:211:A:ASP:HA	1:227:A:ALA:H	2	0.12	0.01	0.12
(2,363)	1:222:A:SER:H	1:217:A:LEU:H	2	0.11	0.0	0.11
(2,1171)	1:192:A:LEU:HA	1:193:A:LYS:H	2	0.11	0.0	0.11
(2,1180)	1:194:A:VAL:HB	1:194:A:VAL:H	2	0.11	0.0	0.11
(2,114)	1:190:A:GLN:H	1:205:A:VAL:HG21	2	0.1	0.0	0.1
(2,114)	1:190:A:GLN:H	1:205:A:VAL:HG22	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)
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	6	3.02
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	6	2.96
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB2	11	2.59
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	3	2.56
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	4	2.56
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB3	5	2.56
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	17	2.51
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	7	2.48
(2,950)	1:204:A:THR:HG23	1:206:A:LEU:HD13	6	2.47
(2,663)	1:204:A:THR:HG23	1:206:A:LEU:HD13	6	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB3	1	2.39
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	7	2.37
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	15	2.33
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	2	2.25
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	12	2.15
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB1	9	2.11
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	16	2.04
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	14	2.01
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB3	19	2.01
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	20	2.01
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	13	2.0
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	11	1.94
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	14	1.87
(1,18)	1:224:A:ILE:HG22	1:211:A:ASP:H	4	1.85
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	8	1.85
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	10	1.84
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	1	1.84
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	17	1.84
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	19	1.84
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	1	1.82
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	15	1.82
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	3	1.81
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	12	1.8
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	6	1.8
(1,18)	1:224:A:ILE:HG22	1:211:A:ASP:H	9	1.8
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	10	1.8
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	14	1.8
(1,18)	1:224:A:ILE:HG22	1:211:A:ASP:H	16	1.8
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	7	1.78
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	12	1.78
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	2	1.76
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	2	1.76
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	13	1.76
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	5	1.75
(1,18)	1:224:A:ILE:HG22	1:211:A:ASP:H	5	1.75
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	7	1.74
(1,18)	1:224:A:ILE:HG21	1:211:A:ASP:H	6	1.74
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	20	1.74
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	10	1.73
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	3	1.72
(2,1561)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	9	1.72
(1,18)	1:224:A:ILE:HG23	1:211:A:ASP:H	18	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,715)	1:221:A:MET:HG2	1:217:A:LEU:HD13	2	1.69
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	20	1.68
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	15	1.67
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	20	1.67
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	17	1.67
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	12	1.66
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	20	1.64
(2,1573)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	15	1.62
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	5	1.61
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	7	1.6
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	1	1.59
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	10	1.59
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	3	1.58
(2,461)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	9	1.58
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	10	1.57
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	17	1.57
(2,778)	1:230:A:LEU:HD11	1:229:A:HIS:H	1	1.54
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	3	1.53
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	15	1.53
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	20	1.53
(2,835)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	1	1.52
(2,835)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	9	1.52
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	14	1.52
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	13	1.51
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	1	1.51
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	15	1.5
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	12	1.49
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	20	1.48
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	16	1.48
(2,471)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	15	1.47
(1,29)	1:216:A:GLN:HE22	1:191:A:ALA:HB3	14	1.47
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	10	1.46
(2,138)	1:193:A:LYS:HG2	1:194:A:VAL:H	3	1.46
(1,22)	1:192:A:LEU:HG	1:203:A:ALA:H	4	1.46
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	14	1.45
(2,536)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	1	1.44
(2,536)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	9	1.44
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	13	1.44
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	16	1.43
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	6	1.43
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	6	1.43
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	15	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1198)	1:195:A:LYS:HG3	1:196:A:ALA:H	16	1.42
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG23	11	1.42
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	15	1.42
(2,835)	1:200:A:ALA:HB3	1:193:A:LYS:HB3	4	1.42
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	12	1.42
(2,1561)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	6	1.41
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG23	3	1.41
(2,138)	1:193:A:LYS:HG2	1:194:A:VAL:H	20	1.41
(2,1340)	1:216:A:GLN:HG2	1:217:A:LEU:H	18	1.4
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	2	1.4
(2,835)	1:200:A:ALA:HB2	1:193:A:LYS:HB3	7	1.4
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	16	1.4
(1,15)	1:203:A:ALA:HB2	1:222:A:SER:H	16	1.4
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	16	1.39
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG23	12	1.39
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	14	1.39
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	18	1.39
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	20	1.39
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	5	1.39
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	14	1.39
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	11	1.38
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	10	1.38
(1,22)	1:192:A:LEU:HG	1:203:A:ALA:H	9	1.38
(2,1561)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	16	1.37
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	20	1.37
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	18	1.37
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	2	1.37
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	3	1.37
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG23	4	1.37
(1,25)	1:193:A:LYS:HE2	1:194:A:VAL:H	16	1.37
(1,15)	1:203:A:ALA:HB2	1:222:A:SER:H	12	1.37
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	15	1.37
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	1	1.36
(2,835)	1:200:A:ALA:HB2	1:193:A:LYS:HB3	12	1.36
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	18	1.36
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	14	1.36
(1,15)	1:203:A:ALA:HB1	1:222:A:SER:H	7	1.36
(2,1561)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	18	1.35
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	14	1.35
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	9	1.35
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	10	1.35
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	9	1.35
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	13	1.35
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	6	1.35
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG23	11	1.35
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	15	1.35
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD11	12	1.35
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG22	8	1.35
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG23	14	1.35
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG21	15	1.35
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	2	1.34
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	11	1.34
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	17	1.34
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	5	1.34
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	13	1.34
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG21	19	1.34
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	17	1.34
(2,536)	1:200:A:ALA:HB3	1:193:A:LYS:HB3	4	1.34
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG23	16	1.34
(2,1340)	1:216:A:GLN:HG2	1:217:A:LEU:H	8	1.33
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG23	3	1.33
(2,150)	1:195:A:LYS:HG3	1:196:A:ALA:H	16	1.33
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG22	1	1.33
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	7	1.33
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	13	1.32
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	10	1.32
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	9	1.32
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	4	1.32
(2,835)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	10	1.32
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	1	1.32
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	2	1.32
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	14	1.32
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	18	1.32
(2,536)	1:200:A:ALA:HB2	1:193:A:LYS:HB3	7	1.32
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	20	1.32
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	17	1.31
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	7	1.31
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	8	1.31
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	15	1.31
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG23	12	1.31
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	20	1.31
(2,278)	1:216:A:GLN:HG2	1:217:A:LEU:H	18	1.31
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG22	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG21	11	1.31
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG22	17	1.31
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG21	19	1.31
(2,1561)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	13	1.3
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	6	1.3
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	17	1.3
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	15	1.3
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG22	8	1.3
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	4	1.3
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	10	1.3
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	12	1.3
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	16	1.3
(2,138)	1:193:A:LYS:HG2	1:194:A:VAL:H	18	1.3
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG21	20	1.3
(1,15)	1:203:A:ALA:HB1	1:222:A:SER:H	17	1.3
(1,15)	1:203:A:ALA:HB1	1:222:A:SER:H	18	1.3
(2,1421)	1:230:A:LEU:HD12	1:230:A:LEU:H	20	1.29
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	15	1.29
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	1	1.29
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	3	1.28
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	19	1.28
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	1	1.28
(2,536)	1:200:A:ALA:HB2	1:193:A:LYS:HB3	12	1.28
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	20	1.28
(2,138)	1:193:A:LYS:HG2	1:194:A:VAL:H	14	1.28
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG22	13	1.28
(2,780)	1:208:A:ILE:HG13	1:206:A:LEU:H	20	1.27
(2,774)	1:230:A:LEU:HD12	1:230:A:LEU:H	20	1.27
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	9	1.27
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	10	1.27
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	17	1.27
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG21	19	1.27
(2,461)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	6	1.27
(1,15)	1:203:A:ALA:HB2	1:222:A:SER:H	3	1.27
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	5	1.26
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	13	1.26
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	16	1.26
(1,27)	1:183:A:ILE:H	1:183:A:ILE:HG23	7	1.26
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	10	1.25
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	16	1.25
(2,1340)	1:216:A:GLN:HG2	1:217:A:LEU:H	7	1.25
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD13	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:192:A:LEU:HG	1:203:A:ALA:H	1	1.25
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	17	1.24
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	4	1.24
(2,536)	1:200:A:ALA:HB1	1:193:A:LYS:HB3	10	1.24
(2,278)	1:216:A:GLN:HG2	1:217:A:LEU:H	8	1.24
(2,138)	1:193:A:LYS:HG2	1:194:A:VAL:H	17	1.24
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG23	3	1.24
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	1	1.23
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	19	1.23
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	8	1.23
(2,461)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	16	1.23
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	13	1.23
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	9	1.23
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	4	1.23
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	5	1.22
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG22	8	1.22
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG21	2	1.22
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG21	12	1.22
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG22	18	1.22
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	4	1.21
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	1	1.21
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	7	1.21
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	17	1.21
(2,461)	1:191:A:ALA:HB2	1:190:A:GLN:HE22	18	1.21
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	6	1.21
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG23	5	1.21
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG23	9	1.21
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	10	1.2
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	17	1.2
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	1	1.2
(2,1421)	1:230:A:LEU:HD12	1:230:A:LEU:H	10	1.2
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	4	1.2
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	2	1.2
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	11	1.2
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	3	1.2
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	9	1.19
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	10	1.19
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	20	1.19
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	18	1.19
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	9	1.19
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	3	1.19
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	14	1.19
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	15	1.19
(2,774)	1:230:A:LEU:HD12	1:230:A:LEU:H	10	1.19
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	15	1.19
(2,147)	1:199:A:ASN:HB2	1:196:A:ALA:H	15	1.19
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	6	1.18
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	20	1.18
(2,988)	1:189:A:GLY:HA3	1:204:A:THR:HG23	7	1.18
(2,855)	1:180:A:VAL:HA	1:180:A:VAL:HG12	11	1.18
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	9	1.17
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	10	1.17
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	16	1.17
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	17	1.17
(1,12)	1:214:A:ARG:HB3	1:215:A:VAL:H	14	1.17
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	19	1.16
(2,1421)	1:230:A:LEU:HD13	1:230:A:LEU:H	1	1.16
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	14	1.16
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	12	1.16
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	15	1.16
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	19	1.16
(2,461)	1:191:A:ALA:HB3	1:190:A:GLN:HE22	13	1.16
(2,278)	1:216:A:GLN:HG2	1:217:A:LEU:H	7	1.16
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	7	1.15
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	11	1.15
(2,1230)	1:215:A:VAL:HG21	1:203:A:ALA:H	14	1.15
(2,774)	1:230:A:LEU:HD13	1:230:A:LEU:H	1	1.15
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	17	1.15
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	3	1.14
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	2	1.14
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	18	1.14
(2,855)	1:180:A:VAL:HA	1:180:A:VAL:HG13	8	1.14
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	1	1.14
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	7	1.14
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	4	1.13
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	12	1.13
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	11	1.13
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	4	1.13
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	12	1.13
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	8	1.13
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	8	1.12
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	12	1.12
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	13	1.12
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	18	1.12
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	5	1.12
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	8	1.12
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	9	1.12
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	13	1.12
(2,1007)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	19	1.12
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	3	1.12
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	14	1.12
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	15	1.12
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	4	1.12
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	13	1.12
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG23	20	1.12
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	10	1.12
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	7	1.11
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	9	1.11
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	6	1.11
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	10	1.11
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	16	1.11
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	20	1.11
(2,698)	1:189:A:GLY:HA3	1:204:A:THR:HG23	7	1.11
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	10	1.11
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	5	1.11
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG23	14	1.11
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG21	15	1.11
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	10	1.1
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	7	1.1
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD13	17	1.1
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	18	1.1
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG21	8	1.1
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG22	10	1.1
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	2	1.1
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	2	1.09
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	8	1.09
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	11	1.09
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	14	1.09
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	1	1.09
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	19	1.09
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	9	1.09
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	20	1.09
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG23	4	1.09
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD12	17	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:194:A:VAL:HG22	1:194:A:VAL:H	3	1.09
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	5	1.09
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG13	15	1.09
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG11	20	1.09
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	4	1.08
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	7	1.08
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	8	1.08
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	4	1.08
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	2	1.08
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	10	1.08
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	9	1.08
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG23	2	1.08
(1,38)	1:208:A:ILE:H	1:208:A:ILE:HG23	12	1.08
(1,27)	1:183:A:ILE:H	1:208:A:ILE:HG21	6	1.08
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	2	1.08
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	11	1.07
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD12	11	1.07
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	18	1.07
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	19	1.07
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	20	1.07
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	3	1.07
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	12	1.07
(1,7)	1:194:A:VAL:HG22	1:194:A:VAL:H	3	1.07
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	7	1.06
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	7	1.06
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	12	1.06
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	5	1.06
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	5	1.06
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	9	1.06
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	13	1.06
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	10	1.06
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	17	1.06
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	1	1.06
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	12	1.06
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	5	1.06
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	20	1.06
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	6	1.06
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	8	1.06
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	20	1.06
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	15	1.05
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	1	1.05
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	19	1.05
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	4	1.05
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	8	1.05
(2,716)	1:217:A:LEU:HB3	1:217:A:LEU:HD11	19	1.05
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	8	1.05
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	19	1.05
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	6	1.05
(1,37)	1:194:A:VAL:HG22	1:194:A:VAL:H	8	1.05
(1,37)	1:194:A:VAL:HG23	1:194:A:VAL:H	13	1.05
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	15	1.05
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	4	1.05
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	5	1.05
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	15	1.04
(2,1340)	1:216:A:GLN:HG2	1:217:A:LEU:H	10	1.04
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	1	1.04
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	5	1.04
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	6	1.04
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	7	1.04
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	10	1.04
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	17	1.04
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	6	1.04
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	1	1.04
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	6	1.04
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	14	1.04
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	4	1.04
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	10	1.04
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	15	1.04
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	7	1.04
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	6	1.04
(1,7)	1:194:A:VAL:HG23	1:194:A:VAL:H	13	1.04
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	10	1.03
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	4	1.03
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	19	1.03
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	18	1.03
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	3	1.03
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	11	1.03
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	16	1.03
(1,20)	1:208:A:ILE:H	1:206:A:LEU:HA	20	1.03
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG12	10	1.03
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG13	14	1.03
(1,7)	1:194:A:VAL:HG22	1:194:A:VAL:H	8	1.03
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	15	1.03
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	20	1.02
(2,1364)	1:221:A:MET:HG2	1:222:A:SER:H	2	1.02
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	13	1.02
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	6	1.02
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	17	1.02
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	8	1.02
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	19	1.02
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	14	1.02
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	13	1.02
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	12	1.02
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	16	1.02
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	1	1.02
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	19	1.02
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG12	17	1.02
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	15	1.01
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	12	1.01
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	15	1.01
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	17	1.01
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	16	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	1	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	2	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	3	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	4	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	5	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	6	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	10	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	11	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	13	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	14	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	16	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	17	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	18	1.01
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	20	1.01
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	13	1.01
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	2	1.01
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	7	1.01
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	19	1.01
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	14	1.01
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD11	16	1.01
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	10	1.0
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	20	1.0
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	2	1.0
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	9	1.0
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	2	1.0
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	17	1.0
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	10	1.0
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	9	1.0
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	15	1.0
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	11	1.0
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	10	1.0
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	7	1.0
(1,37)	1:224:A:ILE:HG13	1:194:A:VAL:H	16	1.0
(1,30)	1:224:A:ILE:HB	1:225:A:VAL:HG13	1	1.0
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	8	1.0
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	9	1.0
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG12	2	1.0
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	4	0.99
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	10	0.99
(2,836)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	4	0.99
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	2	0.99
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	16	0.99
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	17	0.99
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	20	0.99
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	4	0.99
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	8	0.99
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	14	0.99
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	7	0.99
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG12	12	0.99
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG13	13	0.99
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG11	19	0.99
(1,7)	1:224:A:ILE:HG13	1:194:A:VAL:H	16	0.99
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	20	0.98
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	1	0.98
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	2	0.98
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	6	0.98
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	11	0.98
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	18	0.98
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	4	0.98
(2,822)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	5	0.98
(2,822)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	8	0.98
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	11	0.98
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	18	0.98
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	10	0.98
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	11	0.98
(1,37)	1:224:A:ILE:HG13	1:194:A:VAL:H	19	0.98
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	2	0.98
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	18	0.98
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	18	0.97
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	13	0.97
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	3	0.97
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	18	0.97
(2,1230)	1:215:A:VAL:HG21	1:203:A:ALA:H	20	0.97
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	18	0.97
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	4	0.97
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	5	0.97
(1,7)	1:224:A:ILE:HG13	1:194:A:VAL:H	19	0.97
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	7	0.96
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	17	0.96
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	20	0.96
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	16	0.96
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	20	0.96
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	3	0.96
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	10	0.96
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	3	0.96
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	6	0.96
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	10	0.96
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	14	0.96
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	19	0.96
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	7	0.96
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	7	0.96
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD11	17	0.96
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	5	0.95
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	3	0.95
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	15	0.95
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	14	0.95
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	3	0.95
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	1	0.95
(2,822)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	7	0.95
(2,822)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	12	0.95
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	15	0.95
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	10	0.95
(2,278)	1:216:A:GLN:HG2	1:217:A:LEU:H	10	0.95
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD13	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	14	0.95
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	7	0.95
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	17	0.95
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG12	4	0.95
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	1	0.94
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	5	0.94
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	1	0.94
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	4	0.94
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	10	0.94
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	11	0.94
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	13	0.94
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	19	0.94
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	10	0.94
(2,822)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	9	0.94
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	7	0.94
(2,299)	1:221:A:MET:HG2	1:222:A:SER:H	2	0.94
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	1	0.94
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	17	0.94
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	11	0.94
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	9	0.94
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	10	0.94
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	15	0.94
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD13	5	0.94
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	12	0.93
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	2	0.93
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	9	0.93
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	1	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	5	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	7	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	8	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	12	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	14	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	16	0.93
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	18	0.93
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	6	0.93
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	5	0.93
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	19	0.93
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	1	0.93
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD13	11	0.93
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	15	0.93
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	3	0.93
(1,8)	1:208:A:ILE:H	1:213:A:VAL:HG11	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD11	9	0.93
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	2	0.92
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	11	0.92
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	9	0.92
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	9	0.92
(2,1336)	1:217:A:LEU:HB3	1:217:A:LEU:H	19	0.92
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	13	0.92
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	6	0.92
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	17	0.92
(2,537)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	4	0.92
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	17	0.92
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	6	0.92
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	4	0.92
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	13	0.92
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	14	0.92
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	12	0.92
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	4	0.91
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	9	0.91
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	3	0.91
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	4	0.91
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	18	0.91
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	14	0.91
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	15	0.91
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	7	0.91
(2,1243)	1:190:A:GLN:HB2	1:205:A:VAL:H	1	0.91
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	13	0.91
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	18	0.91
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	2	0.91
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	12	0.91
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	17	0.91
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	12	0.91
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD11	16	0.91
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	6	0.91
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD13	11	0.91
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	1	0.9
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	13	0.9
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	19	0.9
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	16	0.9
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	18	0.9
(2,1311)	1:208:A:ILE:HG13	1:214:A:ARG:H	6	0.9
(2,874)	1:206:A:LEU:HD21	1:222:A:SER:HB3	17	0.9
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	2	0.9
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	16	0.9
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	20	0.9
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	10	0.9
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	20	0.9
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	17	0.9
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	20	0.9
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	2	0.9
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	9	0.9
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	15	0.9
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	16	0.9
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	6	0.9
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	18	0.9
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	18	0.9
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	7	0.9
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	12	0.9
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	2	0.89
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	6	0.89
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	11	0.89
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	16	0.89
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	17	0.89
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	18	0.89
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD12	2	0.89
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	13	0.89
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	14	0.89
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	19	0.89
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	7	0.89
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	10	0.89
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	2	0.89
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	5	0.89
(2,1017)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	1	0.89
(2,836)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	9	0.89
(2,815)	1:215:A:VAL:HG22	1:224:A:ILE:HG13	12	0.89
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	4	0.89
(2,720)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	5	0.89
(2,720)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	8	0.89
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	11	0.89
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	15	0.89
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	17	0.89
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	3	0.89
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	15	0.89
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	2	0.89
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	4	0.89
(1,20)	1:208:A:ILE:H	1:187:A:THR:HA	13	0.89
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	17	0.88
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	8	0.88
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	15	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	1	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	4	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	10	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	11	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	14	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	17	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	18	0.88
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	19	0.88
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	20	0.88
(2,1017)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	10	0.88
(2,1017)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	20	0.88
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	18	0.88
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	20	0.88
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	18	0.88
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	15	0.88
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	1	0.88
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	4	0.88
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	10	0.88
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	11	0.88
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	13	0.88
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	4	0.88
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	11	0.88
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD11	20	0.88
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	4	0.88
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	6	0.87
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	3	0.87
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	13	0.87
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	3	0.87
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	6	0.87
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	8	0.87
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	9	0.87
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	12	0.87
(2,1105)	1:184:A:SER:HB3	1:184:A:SER:H	1	0.87
(2,1008)	1:217:A:LEU:HD22	1:221:A:MET:HB2	5	0.87
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	3	0.87
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	10	0.87
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	14	0.87
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	19	0.87
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	10	0.87
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	20	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	5	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	7	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	8	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	12	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	14	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	16	0.87
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	18	0.87
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	18	0.87
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	17	0.87
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD12	18	0.87
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	9	0.87
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	8	0.87
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	14	0.86
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	16	0.86
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	16	0.86
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	15	0.86
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	16	0.86
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	20	0.86
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	14	0.86
(2,1105)	1:184:A:SER:HB3	1:184:A:SER:H	17	0.86
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	16	0.86
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	20	0.86
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	10	0.86
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	1	0.86
(2,720)	1:223:A:LEU:HD11	1:223:A:LEU:HB3	7	0.86
(2,720)	1:223:A:LEU:HD13	1:223:A:LEU:HB3	12	0.86
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	13	0.86
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	5	0.86
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	9	0.86
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	9	0.86
(2,274)	1:217:A:LEU:HB3	1:217:A:LEU:H	19	0.86
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	3	0.86
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	16	0.86
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	18	0.86
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	20	0.86
(1,37)	1:224:A:ILE:HG13	1:194:A:VAL:H	10	0.86
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD13	6	0.86
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	4	0.86
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	20	0.86
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	18	0.85
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	9	0.85
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	3	0.85
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	15	0.85
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	1	0.85
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	18	0.85
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	10	0.85
(2,1105)	1:184:A:SER:HB3	1:184:A:SER:H	11	0.85
(2,1105)	1:184:A:SER:HB3	1:184:A:SER:H	16	0.85
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	1	0.85
(2,720)	1:223:A:LEU:HD12	1:223:A:LEU:HB3	9	0.85
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	1	0.85
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	5	0.85
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	9	0.85
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	1	0.85
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	14	0.85
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	3	0.85
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	13	0.85
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD12	18	0.85
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	19	0.85
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	1	0.84
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	5	0.84
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD12	6	0.84
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	7	0.84
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	13	0.84
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	20	0.84
(2,1274)	1:208:A:ILE:HG13	1:207:A:GLU:H	13	0.84
(2,1105)	1:184:A:SER:HB3	1:184:A:SER:H	14	0.84
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	12	0.84
(2,1000)	1:187:A:THR:HG21	1:208:A:ILE:HD12	1	0.84
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD12	15	0.84
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	19	0.84
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	2	0.84
(1,7)	1:224:A:ILE:HG13	1:194:A:VAL:H	10	0.84
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	4	0.83
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	7	0.83
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	14	0.83
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	5	0.83
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	14	0.83
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	6	0.83
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD11	6	0.83
(2,1000)	1:187:A:THR:HG21	1:208:A:ILE:HD13	14	0.83
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	10	0.83
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	17	0.83
(2,572)	1:206:A:LEU:HD21	1:222:A:SER:HB3	17	0.83
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	1	0.83
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	4	0.83
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	14	0.83
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	15	0.83
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	10	0.83
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	6	0.83
(2,1573)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	17	0.82
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD12	3	0.82
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	7	0.82
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	17	0.82
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	6	0.82
(2,1287)	1:209:A:THR:HG23	1:211:A:ASP:H	2	0.82
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	14	0.82
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	17	0.82
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	8	0.82
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD12	12	0.82
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD11	18	0.82
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	8	0.82
(2,726)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	1	0.82
(2,537)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	9	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	2	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	11	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	13	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	16	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	17	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	18	0.82
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	19	0.82
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	7	0.82
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	6	0.82
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	3	0.82
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	8	0.82
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD11	15	0.82
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	2	0.82
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	11	0.82
(1,12)	1:214:A:ARG:HB3	1:215:A:VAL:H	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:214:A:ARG:HB3	1:215:A:VAL:H	15	0.82
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	20	0.82
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	6	0.81
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	9	0.81
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	9	0.81
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	13	0.81
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	17	0.81
(2,1419)	1:227:A:ALA:HB1	1:230:A:LEU:H	20	0.81
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	6	0.81
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	12	0.81
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	13	0.81
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	4	0.81
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD12	11	0.81
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	13	0.81
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	19	0.81
(2,726)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	10	0.81
(2,726)	1:230:A:LEU:HD22	1:230:A:LEU:HB2	20	0.81
(2,717)	1:217:A:LEU:HD22	1:221:A:MET:HB2	5	0.81
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	6	0.81
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	18	0.81
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	7	0.81
(2,72)	1:184:A:SER:HB3	1:184:A:SER:H	1	0.81
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	10	0.81
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	16	0.81
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	18	0.81
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	8	0.81
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD11	15	0.81
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD12	18	0.8
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	1	0.8
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	2	0.8
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	6	0.8
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	16	0.8
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	7	0.8
(2,1347)	1:217:A:LEU:HD13	1:220:A:GLY:H	3	0.8
(2,1347)	1:217:A:LEU:HD13	1:220:A:GLY:H	16	0.8
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD11	4	0.8
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	9	0.8
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	17	0.8
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD13	20	0.8
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG23	12	0.8
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG21	8	0.8
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	16	0.8
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	3	0.8
(2,253)	1:208:A:ILE:HG13	1:214:A:ARG:H	6	0.8
(2,193)	1:190:A:GLN:HB2	1:205:A:VAL:H	1	0.8
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	5	0.8
(1,12)	1:214:A:ARG:HB3	1:215:A:VAL:H	13	0.8
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	15	0.79
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	20	0.79
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	7	0.79
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	11	0.79
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	17	0.79
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	3	0.79
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	5	0.79
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	7	0.79
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	16	0.79
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	18	0.79
(2,1419)	1:227:A:ALA:HB3	1:230:A:LEU:H	10	0.79
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	13	0.79
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	8	0.79
(2,1230)	1:215:A:VAL:HG21	1:203:A:ALA:H	2	0.79
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	17	0.79
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	1	0.79
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	16	0.79
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	19	0.79
(2,1000)	1:187:A:THR:HG21	1:208:A:ILE:HD11	3	0.79
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD12	7	0.79
(2,1000)	1:187:A:THR:HG22	1:208:A:ILE:HD13	10	0.79
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	3	0.79
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	20	0.79
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	2	0.79
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	5	0.79
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	14	0.79
(2,72)	1:184:A:SER:HB3	1:184:A:SER:H	11	0.79
(2,72)	1:184:A:SER:HB3	1:184:A:SER:H	16	0.79
(2,72)	1:184:A:SER:HB3	1:184:A:SER:H	17	0.79
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	20	0.79
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	18	0.79
(2,1561)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	8	0.78
(2,1505)	1:192:A:LEU:HD13	1:190:A:GLN:H	6	0.78
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	9	0.78
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	10	0.78
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	14	0.78
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	15	0.78
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	17	0.78
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	20	0.78
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	16	0.78
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	11	0.78
(2,1230)	1:215:A:VAL:HG21	1:203:A:ALA:H	16	0.78
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	4	0.78
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	14	0.78
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	17	0.78
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD12	16	0.78
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	9	0.78
(2,861)	1:195:A:LYS:HG3	1:195:A:LYS:HA	16	0.78
(2,808)	1:224:A:ILE:HD13	1:224:A:ILE:HB	12	0.78
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	2	0.78
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	6	0.78
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	9	0.78
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	12	0.78
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	18	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	1	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	3	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	4	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	8	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	10	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	11	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	17	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	18	0.78
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	19	0.78
(2,72)	1:184:A:SER:HB3	1:184:A:SER:H	14	0.78
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	7	0.78
(2,1515)	1:186:A:LEU:HD11	1:185:A:ALA:H	9	0.77
(2,1505)	1:192:A:LEU:HD13	1:190:A:GLN:H	11	0.77
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	12	0.77
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	16	0.77
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	20	0.77
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	12	0.77
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	19	0.77
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	2	0.77
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	15	0.77
(2,1347)	1:217:A:LEU:HD12	1:220:A:GLY:H	12	0.77
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	14	0.77
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1287)	1:209:A:THR:HG22	1:211:A:ASP:H	11	0.77
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	18	0.77
(2,1008)	1:217:A:LEU:HD22	1:221:A:MET:HB2	16	0.77
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD11	2	0.77
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG22	8	0.77
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	11	0.77
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG22	19	0.77
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	20	0.77
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	14	0.77
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	12	0.77
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	14	0.77
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG21	16	0.77
(2,776)	1:232:A:PHE:HE2	1:230:A:LEU:H	12	0.77
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	2	0.77
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	9	0.77
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	16	0.77
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	1	0.77
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	6	0.77
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	9	0.77
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	12	0.77
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	15	0.77
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	20	0.77
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	14	0.77
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD12	1	0.77
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	2	0.77
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	1	0.77
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	7	0.77
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD11	7	0.77
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	20	0.77
(2,1515)	1:186:A:LEU:HD11	1:185:A:ALA:H	10	0.76
(2,1505)	1:192:A:LEU:HD12	1:190:A:GLN:H	1	0.76
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	4	0.76
(2,1468)	1:208:A:ILE:HG13	1:209:A:THR:H	8	0.76
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	12	0.76
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	7	0.76
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	8	0.76
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	19	0.76
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	3	0.76
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	15	0.76
(2,1347)	1:217:A:LEU:HD12	1:220:A:GLY:H	20	0.76
(2,1287)	1:209:A:THR:HG23	1:211:A:ASP:H	1	0.76
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1287)	1:209:A:THR:HG22	1:211:A:ASP:H	9	0.76
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	15	0.76
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	14	0.76
(2,1093)	1:231:A:VAL:HG21	1:231:A:VAL:H	3	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	2	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG23	5	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	6	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	10	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	11	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	15	0.76
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG23	16	0.76
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	2	0.76
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG22	5	0.76
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	10	0.76
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	18	0.76
(2,887)	1:206:A:LEU:HD22	1:206:A:LEU:HB2	6	0.76
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	1	0.76
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	5	0.76
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	6	0.76
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	13	0.76
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	16	0.76
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	18	0.76
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG21	5	0.76
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	7	0.76
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	11	0.76
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	17	0.76
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG21	19	0.76
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	6	0.76
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	3	0.76
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	15	0.76
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	20	0.76
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	5	0.76
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	14	0.76
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	16	0.76
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	15	0.76
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	19	0.76
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	10	0.76
(1,15)	1:203:A:ALA:HB3	1:222:A:SER:H	6	0.76
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD12	1	0.76
(2,1515)	1:186:A:LEU:HD11	1:185:A:ALA:H	11	0.75
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	4	0.75
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG22	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	9	0.75
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	9	0.75
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	10	0.75
(2,1466)	1:230:A:LEU:HD23	1:211:A:ASP:H	16	0.75
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	12	0.75
(2,1347)	1:217:A:LEU:HD12	1:220:A:GLY:H	17	0.75
(2,1310)	1:214:A:ARG:HB3	1:214:A:ARG:H	1	0.75
(2,1310)	1:214:A:ARG:HB3	1:214:A:ARG:H	12	0.75
(2,1287)	1:209:A:THR:HG22	1:211:A:ASP:H	5	0.75
(2,1287)	1:209:A:THR:HG22	1:211:A:ASP:H	20	0.75
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	19	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	1	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	3	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG23	8	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	13	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG23	19	0.75
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	20	0.75
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	1	0.75
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	6	0.75
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG22	16	0.75
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	17	0.75
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	10	0.75
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	12	0.75
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	20	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	2	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	3	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	7	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	14	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	17	0.75
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	20	0.75
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG23	13	0.75
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	18	0.75
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	8	0.75
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	10	0.75
(2,642)	1:223:A:LEU:H	1:222:A:SER:HB3	10	0.75
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	16	0.75
(2,221)	1:208:A:ILE:HG13	1:207:A:GLU:H	13	0.75
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	20	0.75
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	5	0.75
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	2	0.75
(1,12)	1:214:A:ARG:HB3	1:215:A:VAL:H	1	0.75
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	3	0.74
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	6	0.74
(2,1515)	1:186:A:LEU:HD11	1:185:A:ALA:H	15	0.74
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	13	0.74
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	4	0.74
(2,1466)	1:230:A:LEU:HD22	1:211:A:ASP:H	19	0.74
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	1	0.74
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	5	0.74
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	13	0.74
(2,1347)	1:217:A:LEU:HD13	1:220:A:GLY:H	4	0.74
(2,1310)	1:214:A:ARG:HB3	1:214:A:ARG:H	10	0.74
(2,1206)	1:199:A:ASN:H	1:198:A:GLN:HG3	15	0.74
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG22	7	0.74
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	18	0.74
(2,1000)	1:187:A:THR:HG23	1:208:A:ILE:HD13	5	0.74
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	3	0.74
(2,940)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	13	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	2	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	3	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	4	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	5	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	6	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	8	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	9	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	11	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	14	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	16	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	18	0.74
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	19	0.74
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	19	0.74
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	4	0.74
(2,761)	1:214:A:ARG:HB3	1:214:A:ARG:H	1	0.74
(2,761)	1:214:A:ARG:HB3	1:214:A:ARG:H	12	0.74
(2,175)	1:202:A:ASP:H	1:193:A:LYS:HB3	10	0.74
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	18	0.74
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	4	0.74
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	4	0.74
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	7	0.73
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	3	0.73
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG22	5	0.73
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	3	0.73
(2,1419)	1:227:A:ALA:HB2	1:230:A:LEU:H	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	17	0.73
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	16	0.73
(2,1254)	1:206:A:LEU:H	1:206:A:LEU:HD12	6	0.73
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	7	0.73
(2,982)	1:201:A:MET:HE1	1:201:A:MET:HG2	16	0.73
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	9	0.73
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	15	0.73
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	1	0.73
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	12	0.73
(2,761)	1:214:A:ARG:HB3	1:214:A:ARG:H	10	0.73
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	19	0.73
(2,642)	1:223:A:LEU:H	1:222:A:SER:HB3	17	0.73
(2,476)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	4	0.73
(2,476)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	7	0.73
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	17	0.73
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	6	0.73
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	13	0.73
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	6	0.73
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	17	0.73
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	8	0.73
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	9	0.73
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	5	0.73
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	6	0.73
(1,22)	1:193:A:LYS:HB3	1:203:A:ALA:H	17	0.73
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	19	0.73
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	19	0.73
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	3	0.72
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	4	0.72
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	5	0.72
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	7	0.72
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	14	0.72
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	19	0.72
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	20	0.72
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	2	0.72
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	15	0.72
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	15	0.72
(2,1466)	1:230:A:LEU:HD23	1:211:A:ASP:H	2	0.72
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	7	0.72
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	5	0.72
(2,1347)	1:217:A:LEU:HD13	1:220:A:GLY:H	1	0.72
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	18	0.72
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1310)	1:214:A:ARG:HB3	1:214:A:ARG:H	15	0.72
(2,1287)	1:209:A:THR:HG23	1:211:A:ASP:H	19	0.72
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	12	0.72
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	1	0.72
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	12	0.72
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	4	0.72
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	7	0.72
(2,982)	1:201:A:MET:HE1	1:201:A:MET:HG2	2	0.72
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	7	0.72
(2,940)	1:215:A:VAL:HG23	1:224:A:ILE:HG21	14	0.72
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	7	0.72
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	4	0.72
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	8	0.72
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	11	0.72
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG23	16	0.72
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	1	0.72
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG23	12	0.72
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	14	0.72
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	13	0.72
(2,233)	1:209:A:THR:HG23	1:211:A:ASP:H	2	0.72
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	3	0.72
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	10	0.72
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	11	0.72
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	13	0.72
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	18	0.72
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	14	0.71
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	2	0.71
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	18	0.71
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	12	0.71
(2,1505)	1:192:A:LEU:HD13	1:190:A:GLN:H	13	0.71
(2,1505)	1:192:A:LEU:HD12	1:190:A:GLN:H	20	0.71
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	18	0.71
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG22	19	0.71
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	8	0.71
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	11	0.71
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	7	0.71
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	7	0.71
(2,1320)	1:209:A:THR:HG22	1:215:A:VAL:H	7	0.71
(2,1287)	1:209:A:THR:HG22	1:211:A:ASP:H	7	0.71
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	17	0.71
(2,1013)	1:224:A:ILE:HG13	1:224:A:ILE:HG21	9	0.71
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG23	4	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,940)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	15	0.71
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	10	0.71
(2,878)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	12	0.71
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	7	0.71
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG23	17	0.71
(2,806)	1:212:A:GLY:HA3	1:224:A:ILE:HG22	4	0.71
(2,761)	1:214:A:ARG:HB3	1:214:A:ARG:H	15	0.71
(2,717)	1:217:A:LEU:HD22	1:221:A:MET:HB2	16	0.71
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	18	0.71
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	9	0.71
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	16	0.71
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	16	0.71
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	11	0.71
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	12	0.71
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	13	0.71
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	14	0.71
(1,37)	1:194:A:VAL:HG22	1:194:A:VAL:H	7	0.71
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD11	16	0.71
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	17	0.71
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	9	0.71
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	1	0.7
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	17	0.7
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	16	0.7
(2,1466)	1:230:A:LEU:HD23	1:211:A:ASP:H	5	0.7
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	6	0.7
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	8	0.7
(2,1466)	1:230:A:LEU:HD22	1:211:A:ASP:H	17	0.7
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	1	0.7
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	12	0.7
(2,1320)	1:209:A:THR:HG22	1:215:A:VAL:H	11	0.7
(2,1320)	1:209:A:THR:HG22	1:215:A:VAL:H	20	0.7
(2,1310)	1:214:A:ARG:HB3	1:214:A:ARG:H	13	0.7
(2,1298)	1:185:A:ALA:HB1	1:212:A:GLY:H	9	0.7
(2,1287)	1:209:A:THR:HG21	1:211:A:ASP:H	10	0.7
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG22	6	0.7
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG21	10	0.7
(2,776)	1:232:A:PHE:HE2	1:230:A:LEU:H	4	0.7
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	9	0.7
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	9	0.7
(2,510)	1:224:A:ILE:HD13	1:224:A:ILE:HB	12	0.7
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	1	0.7
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	15	0.7
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	6	0.7
(2,176)	1:202:A:ASP:H	1:193:A:LYS:HG2	4	0.7
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	1	0.7
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	16	0.7
(2,60)	1:231:A:VAL:HG21	1:231:A:VAL:H	3	0.7
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	14	0.7
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	16	0.7
(1,7)	1:194:A:VAL:HG22	1:194:A:VAL:H	7	0.7
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	15	0.69
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	1	0.69
(2,1515)	1:186:A:LEU:HD11	1:185:A:ALA:H	16	0.69
(2,1505)	1:192:A:LEU:HD12	1:190:A:GLN:H	2	0.69
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	15	0.69
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	11	0.69
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	14	0.69
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD11	19	0.69
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	15	0.69
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	4	0.69
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	14	0.69
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	4	0.69
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	17	0.69
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	18	0.69
(2,1320)	1:209:A:THR:HG23	1:215:A:VAL:H	19	0.69
(2,1230)	1:215:A:VAL:HG21	1:203:A:ALA:H	9	0.69
(2,982)	1:201:A:MET:HE1	1:201:A:MET:HG2	7	0.69
(2,982)	1:201:A:MET:HE1	1:201:A:MET:HG2	14	0.69
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	13	0.69
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	14	0.69
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG22	8	0.69
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	11	0.69
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	20	0.69
(2,563)	1:195:A:LYS:HG3	1:195:A:LYS:HA	16	0.69
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	14	0.69
(2,476)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	15	0.69
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	2	0.69
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	6	0.69
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	7	0.69
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	8	0.69
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	19	0.69
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	17	0.69
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	9	0.69
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	17	0.69
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	3	0.69
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD11	16	0.69
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	17	0.69
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	3	0.68
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	5	0.68
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	12	0.68
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	20	0.68
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	8	0.68
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	10	0.68
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	1	0.68
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	6	0.68
(2,1466)	1:230:A:LEU:HD23	1:211:A:ASP:H	9	0.68
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	13	0.68
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	10	0.68
(2,1400)	1:226:A:ARG:HB2	1:227:A:ALA:H	11	0.68
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	8	0.68
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	20	0.68
(2,1320)	1:209:A:THR:HG22	1:215:A:VAL:H	9	0.68
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	20	0.68
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	7	0.68
(2,1214)	1:201:A:MET:H	1:193:A:LYS:HG2	9	0.68
(2,1175)	1:203:A:ALA:HB2	1:193:A:LYS:H	9	0.68
(2,982)	1:201:A:MET:HE2	1:201:A:MET:HG2	15	0.68
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	12	0.68
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	11	0.68
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	19	0.68
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	1	0.68
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	3	0.68
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG23	9	0.68
(2,761)	1:214:A:ARG:HB3	1:214:A:ARG:H	13	0.68
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG23	2	0.68
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG22	5	0.68
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG22	19	0.68
(2,642)	1:223:A:LEU:H	1:222:A:SER:HB3	16	0.68
(2,587)	1:206:A:LEU:HD22	1:206:A:LEU:HB2	6	0.68
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	9	0.68
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	3	0.68
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	5	0.68
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	16	0.68
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	2	0.68
(2,285)	1:217:A:LEU:HD13	1:220:A:GLY:H	3	0.68
(2,285)	1:217:A:LEU:HD13	1:220:A:GLY:H	16	0.68
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	8	0.68
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	14	0.68
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	17	0.68
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD11	3	0.68
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	20	0.68
(1,14)	1:230:A:LEU:HD23	1:226:A:ARG:H	17	0.68
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	14	0.68
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	10	0.67
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	1	0.67
(2,1515)	1:186:A:LEU:HD13	1:185:A:ALA:H	13	0.67
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	3	0.67
(2,1505)	1:192:A:LEU:HD13	1:190:A:GLN:H	18	0.67
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	17	0.67
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD12	4	0.67
(2,1466)	1:230:A:LEU:HD22	1:211:A:ASP:H	18	0.67
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	10	0.67
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	17	0.67
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	9	0.67
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	3	0.67
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	17	0.67
(2,1298)	1:185:A:ALA:HB1	1:212:A:GLY:H	18	0.67
(2,1230)	1:215:A:VAL:HG23	1:203:A:ALA:H	10	0.67
(2,1208)	1:196:A:ALA:HB3	1:199:A:ASN:H	16	0.67
(2,982)	1:201:A:MET:HE2	1:201:A:MET:HG2	13	0.67
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	8	0.67
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	4	0.67
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	2	0.67
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	9	0.67
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	12	0.67
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	13	0.67
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	2	0.67
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG21	11	0.67
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG22	18	0.67
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	15	0.67
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	10	0.67
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	1	0.67
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	6	0.67
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	10	0.67
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG22	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	17	0.67
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG23	18	0.67
(2,471)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	17	0.67
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	6	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	9	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	10	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	11	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	14	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	15	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	17	0.67
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	20	0.67
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	7	0.67
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	5	0.67
(2,233)	1:209:A:THR:HG22	1:211:A:ASP:H	11	0.67
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	14	0.67
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	20	0.67
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	20	0.67
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD11	3	0.67
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	7	0.66
(2,1515)	1:186:A:LEU:HD12	1:185:A:ALA:H	12	0.66
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	8	0.66
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	10	0.66
(2,1466)	1:230:A:LEU:HD21	1:211:A:ASP:H	14	0.66
(2,1382)	1:224:A:ILE:HG12	1:225:A:VAL:H	12	0.66
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	3	0.66
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	18	0.66
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	13	0.66
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	10	0.66
(2,1320)	1:209:A:THR:HG23	1:215:A:VAL:H	1	0.66
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	12	0.66
(2,1298)	1:185:A:ALA:HB1	1:212:A:GLY:H	1	0.66
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	8	0.66
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	12	0.66
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	15	0.66
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	12	0.66
(2,1198)	1:195:A:LYS:HG3	1:196:A:ALA:H	4	0.66
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	3	0.66
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	8	0.66
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	4	0.66
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	6	0.66
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	20	0.66
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	5	0.66
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	14	0.66
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	16	0.66
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	4	0.66
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG21	15	0.66
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	3	0.66
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	5	0.66
(2,767)	1:226:A:ARG:HG3	1:227:A:ALA:H	2	0.66
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	7	0.66
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	3	0.66
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	1	0.66
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	4	0.66
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	12	0.66
(2,418)	1:186:A:LEU:HD11	1:185:A:ALA:H	9	0.66
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	7	0.66
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	4	0.66
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	8	0.66
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	12	0.66
(2,375)	1:208:A:ILE:HG13	1:209:A:THR:H	19	0.66
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	16	0.66
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	4	0.66
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	18	0.66
(2,203)	1:206:A:LEU:H	1:206:A:LEU:HD12	6	0.66
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	18	0.66
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	3	0.66
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	8	0.66
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	12	0.66
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	15	0.66
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	19	0.66
(1,14)	1:230:A:LEU:HD21	1:226:A:ARG:H	9	0.66
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	14	0.66
(1,14)	1:230:A:LEU:HD23	1:226:A:ARG:H	18	0.66
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	9	0.65
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	17	0.65
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG22	16	0.65
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG23	20	0.65
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	12	0.65
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	4	0.65
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	18	0.65
(2,1347)	1:217:A:LEU:HD12	1:220:A:GLY:H	11	0.65
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	1	0.65
(2,1320)	1:209:A:THR:HG22	1:215:A:VAL:H	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	16	0.65
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	5	0.65
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	6	0.65
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	13	0.65
(2,1298)	1:185:A:ALA:HB1	1:212:A:GLY:H	14	0.65
(2,1298)	1:185:A:ALA:HB1	1:212:A:GLY:H	16	0.65
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	19	0.65
(2,1290)	1:211:A:ASP:HB2	1:211:A:ASP:H	11	0.65
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	10	0.65
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	7	0.65
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	1	0.65
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	12	0.65
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	6	0.65
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	11	0.65
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	15	0.65
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	5	0.65
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	10	0.65
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	12	0.65
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	20	0.65
(2,653)	1:215:A:VAL:HG22	1:224:A:ILE:HG21	13	0.65
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	20	0.65
(2,418)	1:186:A:LEU:HD11	1:185:A:ALA:H	10	0.65
(2,410)	1:192:A:LEU:HD13	1:190:A:GLN:H	6	0.65
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	14	0.65
(2,233)	1:209:A:THR:HG23	1:211:A:ASP:H	1	0.65
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	3	0.65
(2,233)	1:209:A:THR:HG22	1:211:A:ASP:H	9	0.65
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	15	0.65
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	18	0.65
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	16	0.65
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	4	0.65
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	4	0.65
(1,37)	1:194:A:VAL:HG23	1:194:A:VAL:H	9	0.65
(1,37)	1:194:A:VAL:HG22	1:194:A:VAL:H	11	0.65
(1,37)	1:194:A:VAL:HG23	1:194:A:VAL:H	18	0.65
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	17	0.65
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD11	11	0.65
(1,26)	1:204:A:THR:HB	1:192:A:LEU:H	18	0.65
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	20	0.65
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	1	0.65
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	8	0.64
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB3	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	12	0.64
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	8	0.64
(2,1469)	1:209:A:THR:H	1:208:A:ILE:HD13	12	0.64
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	1	0.64
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	10	0.64
(2,1328)	1:204:A:THR:HG21	1:216:A:GLN:H	7	0.64
(2,1328)	1:204:A:THR:HG21	1:216:A:GLN:H	12	0.64
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	2	0.64
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	10	0.64
(2,1290)	1:211:A:ASP:HB2	1:211:A:ASP:H	4	0.64
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	10	0.64
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	7	0.64
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	12	0.64
(2,1011)	1:221:A:MET:HE3	1:221:A:MET:HG2	5	0.64
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	14	0.64
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE2	19	0.64
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	9	0.64
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	3	0.64
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	10	0.64
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	8	0.64
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	4	0.64
(2,891)	1:230:A:LEU:HD13	1:230:A:LEU:HA	8	0.64
(2,891)	1:230:A:LEU:HD12	1:230:A:LEU:HA	17	0.64
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	12	0.64
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG22	8	0.64
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	7	0.64
(2,694)	1:201:A:MET:HE1	1:201:A:MET:HG2	2	0.64
(2,694)	1:201:A:MET:HE1	1:201:A:MET:HG2	16	0.64
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	7	0.64
(2,653)	1:215:A:VAL:HG23	1:224:A:ILE:HG21	14	0.64
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG23	16	0.64
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG23	17	0.64
(2,461)	1:191:A:ALA:HB1	1:190:A:GLN:HE22	8	0.64
(2,418)	1:186:A:LEU:HD11	1:185:A:ALA:H	11	0.64
(2,410)	1:192:A:LEU:HD13	1:190:A:GLN:H	11	0.64
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	17	0.64
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	7	0.64
(2,285)	1:217:A:LEU:HD12	1:220:A:GLY:H	12	0.64
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	15	0.64
(2,285)	1:217:A:LEU:HD12	1:220:A:GLY:H	20	0.64
(2,233)	1:209:A:THR:HG22	1:211:A:ASP:H	5	0.64
(2,233)	1:209:A:THR:HG22	1:211:A:ASP:H	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	6	0.64
(1,37)	1:194:A:VAL:HG22	1:194:A:VAL:H	1	0.64
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	16	0.64
(1,7)	1:194:A:VAL:HG23	1:194:A:VAL:H	9	0.64
(1,7)	1:194:A:VAL:HG23	1:194:A:VAL:H	18	0.64
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	3	0.64
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD11	11	0.64
(2,1566)	1:192:A:LEU:HD13	1:190:A:GLN:HE21	13	0.63
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG12	8	0.63
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB3	5	0.63
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB3	10	0.63
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	3	0.63
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	8	0.63
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	8	0.63
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	3	0.63
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	4	0.63
(2,1298)	1:185:A:ALA:HB3	1:212:A:GLY:H	11	0.63
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	17	0.63
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	2	0.63
(2,1208)	1:196:A:ALA:HB3	1:199:A:ASN:H	4	0.63
(2,1011)	1:221:A:MET:HE3	1:221:A:MET:HG2	19	0.63
(2,984)	1:217:A:LEU:HD22	1:221:A:MET:HE1	11	0.63
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	2	0.63
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	5	0.63
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	7	0.63
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	19	0.63
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	10	0.63
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	15	0.63
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	18	0.63
(2,891)	1:230:A:LEU:HD11	1:230:A:LEU:HA	18	0.63
(2,840)	1:192:A:LEU:HD22	1:205:A:VAL:HG23	13	0.63
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	9	0.63
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG23	4	0.63
(2,653)	1:215:A:VAL:HG21	1:224:A:ILE:HG21	15	0.63
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG22	6	0.63
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG23	7	0.63
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG21	10	0.63
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	6	0.63
(2,418)	1:186:A:LEU:HD11	1:185:A:ALA:H	15	0.63
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	12	0.63
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	4	0.63
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG22	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	1	0.63
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	12	0.63
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	3	0.63
(2,285)	1:217:A:LEU:HD12	1:220:A:GLY:H	17	0.63
(2,231)	1:210:A:LYS:HB2	1:211:A:ASP:H	12	0.63
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	17	0.63
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	11	0.63
(1,26)	1:205:A:VAL:HA	1:192:A:LEU:H	16	0.63
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	4	0.63
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	8	0.63
(1,7)	1:194:A:VAL:HG22	1:194:A:VAL:H	1	0.63
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	4	0.63
(1,7)	1:194:A:VAL:HG22	1:194:A:VAL:H	11	0.63
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	17	0.63
(2,1566)	1:192:A:LEU:HD13	1:190:A:GLN:HE21	11	0.62
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	4	0.62
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	4	0.62
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	2	0.62
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	8	0.62
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	5	0.62
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	9	0.62
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	15	0.62
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	16	0.62
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	20	0.62
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB3	9	0.62
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	14	0.62
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	20	0.62
(2,1011)	1:221:A:MET:HE1	1:221:A:MET:HG2	15	0.62
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	4	0.62
(2,983)	1:196:A:ALA:HB2	1:201:A:MET:HE1	17	0.62
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	3	0.62
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	15	0.62
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	16	0.62
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	8	0.62
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	2	0.62
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	5	0.62
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	6	0.62
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	14	0.62
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	16	0.62
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	17	0.62
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	19	0.62
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,776)	1:232:A:PHE:HE2	1:230:A:LEU:H	1	0.62
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	3	0.62
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	4	0.62
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	14	0.62
(2,410)	1:192:A:LEU:HD12	1:190:A:GLN:H	1	0.62
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	9	0.62
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	13	0.62
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	12	0.62
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	4	0.62
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	14	0.62
(2,285)	1:217:A:LEU:HD13	1:220:A:GLY:H	4	0.62
(2,148)	1:201:A:MET:HG3	1:196:A:ALA:H	19	0.62
(1,40)	1:201:A:MET:H	1:194:A:VAL:HA	5	0.62
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	7	0.62
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	5	0.62
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	18	0.62
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	9	0.62
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	11	0.62
(1,14)	1:230:A:LEU:HD21	1:226:A:ARG:H	16	0.62
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	19	0.62
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	17	0.62
(2,1566)	1:192:A:LEU:HD13	1:190:A:GLN:HE21	6	0.61
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	5	0.61
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	9	0.61
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	13	0.61
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	14	0.61
(2,1328)	1:204:A:THR:HG22	1:216:A:GLN:H	19	0.61
(2,1320)	1:209:A:THR:HG23	1:215:A:VAL:H	2	0.61
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	6	0.61
(2,1298)	1:185:A:ALA:HB2	1:212:A:GLY:H	7	0.61
(2,1296)	1:210:A:LYS:HB2	1:212:A:GLY:H	12	0.61
(2,1208)	1:196:A:ALA:HB3	1:199:A:ASN:H	1	0.61
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	4	0.61
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	15	0.61
(2,1011)	1:221:A:MET:HE3	1:221:A:MET:HG2	6	0.61
(2,983)	1:196:A:ALA:HB2	1:201:A:MET:HE3	20	0.61
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	10	0.61
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	11	0.61
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	14	0.61
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG22	16	0.61
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	7	0.61
(2,893)	1:231:A:VAL:HG21	1:231:A:VAL:HA	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	13	0.61
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	7	0.61
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	17	0.61
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	18	0.61
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	20	0.61
(2,694)	1:201:A:MET:HE1	1:201:A:MET:HG2	7	0.61
(2,694)	1:201:A:MET:HE1	1:201:A:MET:HG2	14	0.61
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	3	0.61
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	5	0.61
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	7	0.61
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	19	0.61
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	20	0.61
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	3	0.61
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG22	5	0.61
(2,373)	1:230:A:LEU:HD23	1:211:A:ASP:H	16	0.61
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	20	0.61
(2,233)	1:209:A:THR:HG23	1:211:A:ASP:H	19	0.61
(2,158)	1:199:A:ASN:H	1:198:A:GLN:HG3	15	0.61
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	1	0.61
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	7	0.61
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	13	0.61
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD11	1	0.61
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	6	0.61
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	7	0.61
(1,14)	1:230:A:LEU:HD21	1:226:A:ARG:H	2	0.61
(1,14)	1:230:A:LEU:HD21	1:226:A:ARG:H	5	0.61
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	4	0.61
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	17	0.61
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	5	0.61
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	18	0.61
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	6	0.61
(2,1566)	1:192:A:LEU:HD12	1:190:A:GLN:HE21	2	0.6
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	19	0.6
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	15	0.6
(2,1532)	1:180:A:VAL:HG13	1:182:A:ASP:H	16	0.6
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	16	0.6
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	17	0.6
(2,1445)	1:228:A:GLU:H	1:226:A:ARG:HD2	17	0.6
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	13	0.6
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	2	0.6
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	4	0.6
(2,1328)	1:204:A:THR:HG21	1:216:A:GLN:H	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	17	0.6
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	18	0.6
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	10	0.6
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	15	0.6
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	4	0.6
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	7	0.6
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	9	0.6
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	1	0.6
(2,1175)	1:203:A:ALA:HB2	1:193:A:LYS:H	7	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	2	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	5	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB3	6	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	13	0.6
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	19	0.6
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	11	0.6
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	8	0.6
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	17	0.6
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	18	0.6
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	1	0.6
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	4	0.6
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG22	12	0.6
(2,893)	1:231:A:VAL:HG22	1:231:A:VAL:HA	11	0.6
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG22	9	0.6
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	1	0.6
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	4	0.6
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	7	0.6
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG23	9	0.6
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG23	16	0.6
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	17	0.6
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	3	0.6
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	8	0.6
(2,652)	1:221:A:MET:HA	1:221:A:MET:HG2	13	0.6
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG23	9	0.6
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG22	18	0.6
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	3	0.6
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	2	0.6
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	17	0.6
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	18	0.6
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	7	0.6
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	15	0.6
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	4	0.6
(2,373)	1:230:A:LEU:HD22	1:211:A:ASP:H	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:226:A:ARG:HB2	1:227:A:ALA:H	11	0.6
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	10	0.6
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	17	0.6
(2,285)	1:217:A:LEU:HD13	1:220:A:GLY:H	1	0.6
(2,233)	1:209:A:THR:HG22	1:211:A:ASP:H	7	0.6
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	10	0.6
(2,233)	1:209:A:THR:HG21	1:211:A:ASP:H	17	0.6
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	7	0.6
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	19	0.6
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	16	0.6
(1,22)	1:224:A:ILE:HG12	1:203:A:ALA:H	12	0.6
(1,17)	1:201:A:MET:H	1:194:A:VAL:HA	5	0.6
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	7	0.6
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	13	0.6
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	15	0.6
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	18	0.6
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	11	0.6
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	6	0.6
(2,1566)	1:192:A:LEU:HD12	1:190:A:GLN:HE21	1	0.59
(2,1566)	1:192:A:LEU:HD13	1:190:A:GLN:HE21	18	0.59
(2,1565)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	20	0.59
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	2	0.59
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	11	0.59
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	13	0.59
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	18	0.59
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	9	0.59
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	20	0.59
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	14	0.59
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	16	0.59
(2,1328)	1:204:A:THR:HG21	1:216:A:GLN:H	3	0.59
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	14	0.59
(2,1230)	1:215:A:VAL:HG22	1:203:A:ALA:H	12	0.59
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	1	0.59
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	3	0.59
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	1	0.59
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	20	0.59
(2,975)	1:186:A:LEU:HD22	1:186:A:LEU:HA	6	0.59
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	20	0.59
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	9	0.59
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG23	2	0.59
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	10	0.59
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	4	0.59
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	7	0.59
(2,694)	1:201:A:MET:HE2	1:201:A:MET:HG2	13	0.59
(2,694)	1:201:A:MET:HE2	1:201:A:MET:HG2	15	0.59
(2,652)	1:221:A:MET:HA	1:221:A:MET:HG2	11	0.59
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	4	0.59
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	1	0.59
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	2	0.59
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG21	11	0.59
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG21	15	0.59
(2,479)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	1	0.59
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	2	0.59
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	18	0.59
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG22	19	0.59
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	3	0.59
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	4	0.59
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	10	0.59
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	3	0.59
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	18	0.59
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	5	0.59
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	7	0.59
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	18	0.59
(2,168)	1:201:A:MET:H	1:193:A:LYS:HG2	9	0.59
(1,40)	1:201:A:MET:H	1:194:A:VAL:HA	8	0.59
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	3	0.59
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	15	0.59
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	19	0.59
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	16	0.59
(1,14)	1:230:A:LEU:HD23	1:226:A:ARG:H	19	0.59
(1,12)	1:224:A:ILE:HG12	1:215:A:VAL:H	12	0.59
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	5	0.59
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	6	0.59
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	8	0.59
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	13	0.59
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD11	1	0.59
(2,1573)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	6	0.58
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	6	0.58
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	17	0.58
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB3	6	0.58
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	10	0.58
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	15	0.58
(2,1423)	1:230:A:LEU:HB3	1:230:A:LEU:H	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	1	0.58
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	19	0.58
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	5	0.58
(2,1328)	1:204:A:THR:HG23	1:216:A:GLN:H	6	0.58
(2,1320)	1:209:A:THR:HG21	1:215:A:VAL:H	13	0.58
(2,1214)	1:201:A:MET:H	1:193:A:LYS:HG2	20	0.58
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	19	0.58
(2,1175)	1:203:A:ALA:HB2	1:193:A:LYS:H	17	0.58
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	4	0.58
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB3	16	0.58
(2,975)	1:186:A:LEU:HD21	1:186:A:LEU:HA	1	0.58
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	9	0.58
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	19	0.58
(2,840)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	19	0.58
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	3	0.58
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	3	0.58
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	5	0.58
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	6	0.58
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	14	0.58
(2,652)	1:221:A:MET:HA	1:221:A:MET:HG2	8	0.58
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	20	0.58
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG21	5	0.58
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	1	0.58
(2,418)	1:186:A:LEU:HD11	1:185:A:ALA:H	16	0.58
(2,373)	1:230:A:LEU:HD23	1:211:A:ASP:H	2	0.58
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	7	0.58
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	8	0.58
(2,243)	1:185:A:ALA:HB1	1:212:A:GLY:H	9	0.58
(2,236)	1:211:A:ASP:HB2	1:211:A:ASP:H	11	0.58
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	6	0.58
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	20	0.58
(1,37)	1:194:A:VAL:HG21	1:194:A:VAL:H	12	0.58
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD12	13	0.58
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	19	0.58
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	15	0.58
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	4	0.57
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	8	0.57
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	16	0.57
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	19	0.57
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	7	0.57
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB2	15	0.57
(2,1470)	1:209:A:THR:H	1:224:A:ILE:HG21	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	10	0.57
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	20	0.57
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	13	0.57
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	3	0.57
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	16	0.57
(2,1175)	1:203:A:ALA:HB2	1:193:A:LYS:H	18	0.57
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB1	11	0.57
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	17	0.57
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB3	18	0.57
(2,1008)	1:217:A:LEU:HD21	1:221:A:MET:HB2	11	0.57
(2,975)	1:186:A:LEU:HD23	1:186:A:LEU:HA	13	0.57
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG22	15	0.57
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	18	0.57
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	20	0.57
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	8	0.57
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	15	0.57
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	12	0.57
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	15	0.57
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	8	0.57
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	12	0.57
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG23	14	0.57
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	18	0.57
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	19	0.57
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	2	0.57
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	11	0.57
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	13	0.57
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	18	0.57
(2,696)	1:217:A:LEU:HD22	1:221:A:MET:HE1	11	0.57
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	1	0.57
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	12	0.57
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	4	0.57
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	8	0.57
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	12	0.57
(2,410)	1:192:A:LEU:HD13	1:190:A:GLN:H	13	0.57
(2,410)	1:192:A:LEU:HD12	1:190:A:GLN:H	20	0.57
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	11	0.57
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	14	0.57
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	8	0.57
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	11	0.57
(2,261)	1:209:A:THR:HG22	1:215:A:VAL:H	7	0.57
(2,150)	1:195:A:LYS:HG3	1:196:A:ALA:H	4	0.57
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	2	0.57
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	19	0.57
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD11	7	0.57
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD13	11	0.57
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	13	0.57
(1,17)	1:201:A:MET:H	1:194:A:VAL:HA	8	0.57
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	6	0.57
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	6	0.57
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	15	0.57
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	9	0.57
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	10	0.57
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	11	0.57
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	14	0.57
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	13	0.57
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	15	0.57
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	18	0.57
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	16	0.56
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	17	0.56
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	17	0.56
(2,1505)	1:192:A:LEU:HD13	1:190:A:GLN:H	5	0.56
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB2	8	0.56
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	17	0.56
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	8	0.56
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	1	0.56
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	8	0.56
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	13	0.56
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	15	0.56
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	17	0.56
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	17	0.56
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	11	0.56
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG21	15	0.56
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	6	0.56
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	17	0.56
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	7	0.56
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	4	0.56
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE2	19	0.56
(2,592)	1:231:A:VAL:HG23	1:231:A:VAL:HA	8	0.56
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG22	8	0.56
(2,418)	1:186:A:LEU:HD13	1:185:A:ALA:H	13	0.56
(2,410)	1:192:A:LEU:HD12	1:190:A:GLN:H	2	0.56
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	16	0.56
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,373)	1:230:A:LEU:HD23	1:211:A:ASP:H	5	0.56
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	6	0.56
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	15	0.56
(2,373)	1:230:A:LEU:HD22	1:211:A:ASP:H	17	0.56
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	3	0.56
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	8	0.56
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	4	0.56
(2,261)	1:209:A:THR:HG22	1:215:A:VAL:H	11	0.56
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	17	0.56
(2,261)	1:209:A:THR:HG23	1:215:A:VAL:H	19	0.56
(2,261)	1:209:A:THR:HG22	1:215:A:VAL:H	20	0.56
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	20	0.56
(2,236)	1:211:A:ASP:HB2	1:211:A:ASP:H	4	0.56
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	20	0.56
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	3	0.56
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	8	0.56
(1,38)	1:208:A:ILE:H	1:183:A:ILE:HD13	6	0.56
(1,7)	1:194:A:VAL:HG21	1:194:A:VAL:H	12	0.56
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD12	13	0.56
(2,1573)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	2	0.55
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	12	0.55
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD13	17	0.55
(2,1422)	1:225:A:VAL:HG23	1:230:A:LEU:H	1	0.55
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	7	0.55
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	12	0.55
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	11	0.55
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	5	0.55
(2,1235)	1:191:A:ALA:HB1	1:204:A:THR:H	6	0.55
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	14	0.55
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	16	0.55
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	8	0.55
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	11	0.55
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG21	14	0.55
(2,903)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	7	0.55
(2,810)	1:183:A:ILE:HB	1:183:A:ILE:HD12	2	0.55
(2,799)	1:215:A:VAL:HA	1:215:A:VAL:HG22	13	0.55
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	16	0.55
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	19	0.55
(2,778)	1:230:A:LEU:HD11	1:229:A:HIS:H	18	0.55
(2,719)	1:221:A:MET:HE3	1:221:A:MET:HG2	5	0.55
(2,695)	1:196:A:ALA:HB2	1:201:A:MET:HE1	17	0.55
(2,592)	1:231:A:VAL:HG23	1:231:A:VAL:HA	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	18	0.55
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	12	0.55
(2,541)	1:192:A:LEU:HD22	1:205:A:VAL:HG23	13	0.55
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	8	0.55
(2,418)	1:186:A:LEU:HD12	1:185:A:ALA:H	12	0.55
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	15	0.55
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	6	0.55
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	17	0.55
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	2	0.55
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	5	0.55
(2,261)	1:209:A:THR:HG22	1:215:A:VAL:H	9	0.55
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	18	0.55
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	17	0.55
(2,243)	1:185:A:ALA:HB1	1:212:A:GLY:H	18	0.55
(2,160)	1:196:A:ALA:HB3	1:199:A:ASN:H	16	0.55
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	5	0.55
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	16	0.55
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	8	0.55
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	3	0.55
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	2	0.55
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	19	0.55
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	3	0.55
(1,8)	1:208:A:ILE:H	1:183:A:ILE:HD13	6	0.55
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD11	7	0.55
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	3	0.55
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	14	0.55
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	3	0.54
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	5	0.54
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	15	0.54
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	1	0.54
(2,1505)	1:192:A:LEU:HD11	1:190:A:GLN:H	19	0.54
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB1	13	0.54
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB1	20	0.54
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG22	19	0.54
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	7	0.54
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	2	0.54
(2,971)	1:183:A:ILE:HD13	1:188:A:VAL:HG21	2	0.54
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	5	0.54
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG23	13	0.54
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	18	0.54
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	9	0.54
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,840)	1:192:A:LEU:HD21	1:205:A:VAL:HG22	20	0.54
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	14	0.54
(2,719)	1:221:A:MET:HE3	1:221:A:MET:HG2	19	0.54
(2,652)	1:221:A:MET:HA	1:221:A:MET:HG2	10	0.54
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	2	0.54
(2,592)	1:231:A:VAL:HG23	1:231:A:VAL:HA	5	0.54
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	6	0.54
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	14	0.54
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	16	0.54
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	17	0.54
(2,592)	1:231:A:VAL:HG23	1:231:A:VAL:HA	19	0.54
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	14	0.54
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	3	0.54
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	10	0.54
(2,410)	1:192:A:LEU:HD13	1:190:A:GLN:H	18	0.54
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	12	0.54
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	10	0.54
(2,373)	1:230:A:LEU:HD23	1:211:A:ASP:H	9	0.54
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	13	0.54
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	9	0.54
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	13	0.54
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	3	0.54
(2,243)	1:185:A:ALA:HB1	1:212:A:GLY:H	1	0.54
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	8	0.54
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	12	0.54
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	15	0.54
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	19	0.54
(2,231)	1:210:A:LYS:HB2	1:211:A:ASP:H	17	0.54
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	1	0.54
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	9	0.54
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	13	0.54
(1,16)	1:217:A:LEU:HD12	1:215:A:VAL:H	3	0.54
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	16	0.54
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	7	0.53
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	9	0.53
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	14	0.53
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	20	0.53
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	3	0.53
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	11	0.53
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	14	0.53
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG22	5	0.53
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG22	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	2	0.53
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD12	7	0.53
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	11	0.53
(2,1150)	1:190:A:GLN:H	1:191:A:ALA:HB2	8	0.53
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	4	0.53
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	7	0.53
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	9	0.53
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	16	0.53
(2,852)	1:231:A:VAL:HG11	1:231:A:VAL:HA	3	0.53
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	11	0.53
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	16	0.53
(2,719)	1:221:A:MET:HE1	1:221:A:MET:HG2	15	0.53
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	1	0.53
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	20	0.53
(2,695)	1:196:A:ALA:HB2	1:201:A:MET:HE3	20	0.53
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	8	0.53
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	7	0.53
(2,592)	1:231:A:VAL:HG21	1:231:A:VAL:HA	10	0.53
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	17	0.53
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	18	0.53
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	20	0.53
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	1	0.53
(2,441)	1:181:A:SER:H	1:180:A:VAL:HG12	8	0.53
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB3	19	0.53
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG22	16	0.53
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG23	20	0.53
(2,373)	1:230:A:LEU:HD21	1:211:A:ASP:H	14	0.53
(2,373)	1:230:A:LEU:HD22	1:211:A:ASP:H	18	0.53
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	14	0.53
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	16	0.53
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	8	0.53
(2,285)	1:217:A:LEU:HD12	1:220:A:GLY:H	11	0.53
(2,261)	1:209:A:THR:HG23	1:215:A:VAL:H	1	0.53
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	12	0.53
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	5	0.53
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	6	0.53
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	13	0.53
(2,243)	1:185:A:ALA:HB1	1:212:A:GLY:H	14	0.53
(2,243)	1:185:A:ALA:HB1	1:212:A:GLY:H	16	0.53
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	12	0.53
(1,40)	1:201:A:MET:H	1:194:A:VAL:HA	2	0.53
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	15	0.53
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	10	0.53
(1,33)	1:186:A:LEU:H	1:208:A:ILE:HD13	2	0.53
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	13	0.53
(1,14)	1:230:A:LEU:HD22	1:226:A:ARG:H	13	0.53
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	2	0.53
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	16	0.53
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	10	0.52
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	12	0.52
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	7	0.52
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	4	0.52
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	4	0.52
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	13	0.52
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	2	0.52
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB1	2	0.52
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB3	14	0.52
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	17	0.52
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	6	0.52
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	11	0.52
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	18	0.52
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	1	0.52
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	4	0.52
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD13	12	0.52
(2,1296)	1:210:A:LYS:HB2	1:212:A:GLY:H	17	0.52
(2,1235)	1:191:A:ALA:HB1	1:204:A:THR:H	18	0.52
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	9	0.52
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	19	0.52
(2,984)	1:217:A:LEU:HD22	1:221:A:MET:HE1	8	0.52
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	19	0.52
(2,778)	1:230:A:LEU:HD12	1:229:A:HIS:H	16	0.52
(2,719)	1:221:A:MET:HE3	1:221:A:MET:HG2	6	0.52
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	11	0.52
(2,592)	1:231:A:VAL:HG22	1:231:A:VAL:HA	13	0.52
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	15	0.52
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	7	0.52
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	8	0.52
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	17	0.52
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB3	5	0.52
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB3	10	0.52
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	10	0.52
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	16	0.52
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	10	0.52
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	13	0.52
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	11	0.52
(1,39)	1:213:A:VAL:HG13	1:215:A:VAL:H	14	0.52
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	17	0.52
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	3	0.52
(1,30)	1:224:A:ILE:HB	1:217:A:LEU:HD12	5	0.52
(1,17)	1:201:A:MET:H	1:194:A:VAL:HA	2	0.52
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	15	0.52
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	1	0.52
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	10	0.52
(1,3)	1:186:A:LEU:H	1:208:A:ILE:HD13	2	0.52
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	5	0.52
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	6	0.51
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	9	0.51
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB2	3	0.51
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	3	0.51
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG22	8	0.51
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	15	0.51
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	19	0.51
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	18	0.51
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	14	0.51
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	6	0.51
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	3	0.51
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	18	0.51
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD12	11	0.51
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	6	0.51
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	11	0.51
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	11	0.51
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	1	0.51
(2,778)	1:230:A:LEU:HD11	1:229:A:HIS:H	5	0.51
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	7	0.51
(2,717)	1:217:A:LEU:HD21	1:221:A:MET:HB2	11	0.51
(2,592)	1:231:A:VAL:HG23	1:231:A:VAL:HA	9	0.51
(2,354)	1:226:A:ARG:HD2	1:227:A:ALA:H	17	0.51
(2,336)	1:230:A:LEU:HB3	1:230:A:LEU:H	20	0.51
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	1	0.51
(2,261)	1:209:A:THR:HG22	1:215:A:VAL:H	5	0.51
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	3	0.51
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	4	0.51
(2,243)	1:185:A:ALA:HB3	1:212:A:GLY:H	11	0.51
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	3	0.51
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	16	0.51
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	14	0.51
(1,16)	1:213:A:VAL:HG13	1:215:A:VAL:H	14	0.51
(1,11)	1:215:A:VAL:HB	1:206:A:LEU:H	12	0.51
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	15	0.5
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	18	0.5
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	2	0.5
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	9	0.5
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	17	0.5
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	4	0.5
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	10	0.5
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	20	0.5
(2,1151)	1:187:A:THR:HG22	1:190:A:GLN:H	1	0.5
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	7	0.5
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	10	0.5
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	12	0.5
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD12	6	0.5
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE2	18	0.5
(2,972)	1:187:A:THR:HG21	1:188:A:VAL:HG23	1	0.5
(2,972)	1:187:A:THR:HG21	1:188:A:VAL:HG23	3	0.5
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG21	8	0.5
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG22	2	0.5
(2,967)	1:208:A:ILE:H	1:188:A:VAL:HG22	8	0.5
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	1	0.5
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	13	0.5
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	14	0.5
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	20	0.5
(2,920)	1:181:A:SER:HB2	1:181:A:SER:H	16	0.5
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD13	10	0.5
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	18	0.5
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	10	0.5
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	12	0.5
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	4	0.5
(2,778)	1:230:A:LEU:HD12	1:229:A:HIS:H	2	0.5
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	8	0.5
(2,778)	1:230:A:LEU:HD12	1:229:A:HIS:H	13	0.5
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	17	0.5
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	17	0.5
(2,541)	1:192:A:LEU:HD23	1:205:A:VAL:HG22	19	0.5
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	3	0.5
(2,464)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	5	0.5
(2,160)	1:196:A:ALA:HB2	1:199:A:ASN:H	2	0.5
(2,160)	1:196:A:ALA:HB3	1:199:A:ASN:H	4	0.5
(1,42)	1:195:A:LYS:HE2	1:194:A:VAL:H	12	0.5
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	13	0.5
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	14	0.5
(1,16)	1:217:A:LEU:HD12	1:215:A:VAL:H	8	0.5
(1,16)	1:217:A:LEU:HD12	1:215:A:VAL:H	9	0.5
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	11	0.5
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	17	0.5
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	3	0.5
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	9	0.49
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	10	0.49
(2,1538)	1:224:A:ILE:HG21	1:230:A:LEU:H	5	0.49
(2,1538)	1:224:A:ILE:HG21	1:230:A:LEU:H	8	0.49
(2,1537)	1:231:A:VAL:HG23	1:193:A:LYS:H	9	0.49
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	3	0.49
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	10	0.49
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD13	16	0.49
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD13	20	0.49
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	20	0.49
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	8	0.49
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	11	0.49
(2,1198)	1:195:A:LYS:HG3	1:196:A:ALA:H	12	0.49
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	12	0.49
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	9	0.49
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	13	0.49
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	15	0.49
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	17	0.49
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	18	0.49
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	5	0.49
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	10	0.49
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	13	0.49
(2,984)	1:217:A:LEU:HD22	1:221:A:MET:HE1	10	0.49
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG23	6	0.49
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG23	11	0.49
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	3	0.49
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	5	0.49
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	18	0.49
(2,920)	1:181:A:SER:HB2	1:181:A:SER:H	11	0.49
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	1	0.49
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	14	0.49
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	4	0.49
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	18	0.49
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	13	0.49
(2,606)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	12	0.49
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	8	0.49
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	7	0.49
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	17	0.49
(2,243)	1:185:A:ALA:HB2	1:212:A:GLY:H	7	0.49
(2,168)	1:201:A:MET:H	1:193:A:LYS:HG2	20	0.49
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	6	0.49
(1,25)	1:218:A:ASN:HB3	1:194:A:VAL:H	13	0.49
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	13	0.49
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	16	0.49
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	11	0.49
(2,1565)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	1	0.48
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	14	0.48
(2,1538)	1:224:A:ILE:HG21	1:230:A:LEU:H	16	0.48
(2,1538)	1:224:A:ILE:HG21	1:230:A:LEU:H	19	0.48
(2,1463)	1:202:A:ASP:HB2	1:201:A:MET:H	17	0.48
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	14	0.48
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	8	0.48
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	14	0.48
(2,1423)	1:230:A:LEU:HB3	1:230:A:LEU:H	1	0.48
(2,1347)	1:217:A:LEU:HD11	1:220:A:GLY:H	2	0.48
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	3	0.48
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	8	0.48
(2,1185)	1:192:A:LEU:HD13	1:194:A:VAL:H	10	0.48
(2,1185)	1:192:A:LEU:HD11	1:194:A:VAL:H	13	0.48
(2,1185)	1:192:A:LEU:HD13	1:194:A:VAL:H	20	0.48
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	6	0.48
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	11	0.48
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	14	0.48
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	15	0.48
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	2	0.48
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	5	0.48
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	11	0.48
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	16	0.48
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	19	0.48
(2,1151)	1:187:A:THR:HG21	1:190:A:GLN:H	20	0.48
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	8	0.48
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG22	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG22	5	0.48
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG22	8	0.48
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG22	7	0.48
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG23	10	0.48
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG21	12	0.48
(2,972)	1:187:A:THR:HG21	1:188:A:VAL:HG23	14	0.48
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG21	16	0.48
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG22	18	0.48
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG23	20	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	8	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	11	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	15	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	16	0.48
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	17	0.48
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD13	1	0.48
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	1	0.48
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	7	0.48
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	9	0.48
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	4	0.48
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	4	0.48
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	4	0.48
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	12	0.48
(2,261)	1:209:A:THR:HG23	1:215:A:VAL:H	2	0.48
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	6	0.48
(2,241)	1:210:A:LYS:HB2	1:212:A:GLY:H	12	0.48
(2,160)	1:196:A:ALA:HB3	1:199:A:ASN:H	1	0.48
(2,160)	1:196:A:ALA:HB2	1:199:A:ASN:H	9	0.48
(2,143)	1:195:A:LYS:HB2	1:195:A:LYS:H	16	0.48
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	6	0.48
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	10	0.48
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	14	0.48
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	8	0.48
(1,16)	1:217:A:LEU:HD11	1:215:A:VAL:H	20	0.48
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	14	0.48
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	16	0.48
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	4	0.47
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	6	0.47
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	9	0.47
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	5	0.47
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	15	0.47
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	6	0.47
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG23	4	0.47
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD12	6	0.47
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	9	0.47
(2,1151)	1:187:A:THR:HG22	1:190:A:GLN:H	3	0.47
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	4	0.47
(2,1151)	1:187:A:THR:HG23	1:190:A:GLN:H	8	0.47
(2,1151)	1:187:A:THR:HG22	1:190:A:GLN:H	14	0.47
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	1	0.47
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	20	0.47
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	5	0.47
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	6	0.47
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG23	7	0.47
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	9	0.47
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	11	0.47
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	14	0.47
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG22	18	0.47
(2,983)	1:196:A:ALA:HB2	1:201:A:MET:HE3	3	0.47
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	14	0.47
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG22	4	0.47
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG23	9	0.47
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG21	15	0.47
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG23	17	0.47
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG22	19	0.47
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	2	0.47
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	7	0.47
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	9	0.47
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	10	0.47
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	20	0.47
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	16	0.47
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	5	0.47
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	11	0.47
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	3	0.47
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	19	0.47
(2,684)	1:183:A:ILE:HD13	1:188:A:VAL:HG21	2	0.47
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	8	0.47
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	15	0.47
(2,606)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	7	0.47
(2,437)	1:180:A:VAL:HG13	1:182:A:ASP:H	16	0.47
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB3	6	0.47
(2,353)	1:228:A:GLU:H	1:226:A:ARG:HD2	17	0.47
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	10	0.47
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	1	0.47
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	4	0.47
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	17	0.47
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	19	0.47
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	10	0.47
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	17	0.47
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	6	0.47
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	2	0.46
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	16	0.46
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	19	0.46
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	12	0.46
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	3	0.46
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	12	0.46
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	15	0.46
(2,1185)	1:192:A:LEU:HD13	1:194:A:VAL:H	2	0.46
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	3	0.46
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	5	0.46
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	13	0.46
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	4	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	2	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	3	0.46
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	4	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	13	0.46
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG23	16	0.46
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG23	17	0.46
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	20	0.46
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	6	0.46
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG22	5	0.46
(2,972)	1:187:A:THR:HG22	1:188:A:VAL:HG22	13	0.46
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	6	0.46
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	20	0.46
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	8	0.46
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	11	0.46
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	17	0.46
(2,778)	1:230:A:LEU:HD12	1:229:A:HIS:H	3	0.46
(2,778)	1:230:A:LEU:HD11	1:229:A:HIS:H	12	0.46
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	6	0.46
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	19	0.46
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	6	0.46
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	8	0.46
(2,750)	1:192:A:LEU:HD13	1:194:A:VAL:H	10	0.46
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,750)	1:192:A:LEU:HD11	1:194:A:VAL:H	13	0.46
(2,750)	1:192:A:LEU:HD13	1:194:A:VAL:H	20	0.46
(2,728)	1:231:A:VAL:HG11	1:231:A:VAL:HA	3	0.46
(2,696)	1:217:A:LEU:HD22	1:221:A:MET:HE1	8	0.46
(2,541)	1:192:A:LEU:HD21	1:205:A:VAL:HG22	20	0.46
(2,512)	1:183:A:ILE:HB	1:183:A:ILE:HD12	2	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	3	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	5	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	7	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	9	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	14	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	15	0.46
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	20	0.46
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	15	0.46
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	9	0.46
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB2	15	0.46
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	10	0.46
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	19	0.46
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	14	0.46
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	15	0.46
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	7	0.46
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	15	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	9	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	11	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	12	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	13	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	18	0.46
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	20	0.46
(1,16)	1:217:A:LEU:HD12	1:215:A:VAL:H	5	0.46
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	6	0.46
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	10	0.46
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	14	0.46
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	2	0.46
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	20	0.45
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	14	0.45
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	16	0.45
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	13	0.45
(2,1537)	1:231:A:VAL:HG21	1:193:A:LYS:H	7	0.45
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD12	11	0.45
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	12	0.45
(2,1390)	1:226:A:ARG:H	1:226:A:ARG:HB3	11	0.45
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	5	0.45
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	12	0.45
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	2	0.45
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	4	0.45
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	4	0.45
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	15	0.45
(2,1185)	1:192:A:LEU:HD11	1:194:A:VAL:H	18	0.45
(2,1175)	1:203:A:ALA:HB1	1:193:A:LYS:H	8	0.45
(2,1174)	1:192:A:LEU:HB3	1:193:A:LYS:H	1	0.45
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	2	0.45
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	6	0.45
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	20	0.45
(2,1012)	1:224:A:ILE:HG12	1:224:A:ILE:HG21	12	0.45
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	1	0.45
(2,994)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	10	0.45
(2,994)	1:205:A:VAL:HG12	1:205:A:VAL:HG21	12	0.45
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	15	0.45
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	17	0.45
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	20	0.45
(2,983)	1:196:A:ALA:HB3	1:201:A:MET:HE2	5	0.45
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	15	0.45
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG12	7	0.45
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	19	0.45
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	2	0.45
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	13	0.45
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	4	0.45
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	15	0.45
(2,778)	1:230:A:LEU:HD11	1:229:A:HIS:H	19	0.45
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	9	0.45
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	17	0.45
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB2	8	0.45
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	16	0.45
(2,376)	1:209:A:THR:H	1:224:A:ILE:HG21	12	0.45
(2,335)	1:225:A:VAL:HG23	1:230:A:LEU:H	1	0.45
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	13	0.45
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	20	0.45
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	19	0.45
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	10	0.45
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	12	0.45
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	2	0.45
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	3	0.45
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	1	0.45
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	4	0.45
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	17	0.45
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	19	0.45
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	14	0.44
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	15	0.44
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	12	0.44
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	2	0.44
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	8	0.44
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	19	0.44
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	18	0.44
(2,1438)	1:224:A:ILE:H	1:224:A:ILE:HG21	7	0.44
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	5	0.44
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	19	0.44
(2,1413)	1:229:A:HIS:HB3	1:229:A:HIS:H	18	0.44
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	16	0.44
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	5	0.44
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	19	0.44
(2,1297)	1:209:A:THR:HG23	1:212:A:GLY:H	2	0.44
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	13	0.44
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	16	0.44
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	7	0.44
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	11	0.44
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	16	0.44
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	17	0.44
(2,1185)	1:192:A:LEU:HD13	1:194:A:VAL:H	1	0.44
(2,1185)	1:192:A:LEU:HD11	1:194:A:VAL:H	5	0.44
(2,1185)	1:192:A:LEU:HD11	1:194:A:VAL:H	11	0.44
(2,1174)	1:192:A:LEU:HB3	1:193:A:LYS:H	7	0.44
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD22	6	0.44
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	9	0.44
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	11	0.44
(2,994)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	19	0.44
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	2	0.44
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD11	9	0.44
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD11	18	0.44
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE2	6	0.44
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG23	10	0.44
(2,972)	1:187:A:THR:HG23	1:188:A:VAL:HG21	2	0.44
(2,959)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	9	0.44
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	4	0.44
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	15	0.44
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	2	0.44
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	10	0.44
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	4	0.44
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	8	0.44
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG22	2	0.44
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG22	16	0.44
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	18	0.44
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	6	0.44
(2,778)	1:230:A:LEU:HD13	1:229:A:HIS:H	14	0.44
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	9	0.44
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	15	0.44
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	3	0.44
(2,747)	1:192:A:LEU:HB3	1:193:A:LYS:H	1	0.44
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	18	0.44
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	10	0.44
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	12	0.44
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD13	17	0.44
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	8	0.44
(2,261)	1:209:A:THR:HG21	1:215:A:VAL:H	13	0.44
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	1	0.44
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	8	0.44
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	14	0.44
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	15	0.44
(2,160)	1:196:A:ALA:HB2	1:199:A:ASN:H	13	0.44
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	6	0.44
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	5	0.44
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	7	0.44
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD22	19	0.44
(1,16)	1:217:A:LEU:HD12	1:215:A:VAL:H	18	0.44
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	7	0.44
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	15	0.44
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	9	0.44
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	11	0.44
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	12	0.44
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	13	0.44
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	18	0.44
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	20	0.44
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG11	6	0.43
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	4	0.43
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	10	0.43
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	15	0.43
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	17	0.43
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	6	0.43
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	13	0.43
(2,1423)	1:230:A:LEU:HB3	1:230:A:LEU:H	10	0.43
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	16	0.43
(2,1364)	1:221:A:MET:HG2	1:222:A:SER:H	10	0.43
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	18	0.43
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	10	0.43
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	6	0.43
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	4	0.43
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	14	0.43
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	19	0.43
(2,1235)	1:191:A:ALA:HB1	1:204:A:THR:H	16	0.43
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	17	0.43
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	16	0.43
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	19	0.43
(2,1010)	1:217:A:LEU:HD23	1:223:A:LEU:HB3	18	0.43
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	5	0.43
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	9	0.43
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	19	0.43
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	13	0.43
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	19	0.43
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	4	0.43
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD12	4	0.43
(2,886)	1:183:A:ILE:HG12	1:183:A:ILE:HG22	2	0.43
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	9	0.43
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	19	0.43
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	7	0.43
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	6	0.43
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	8	0.43
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	2	0.43
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	13	0.43
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	15	0.43
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	15	0.43
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	4	0.43
(2,750)	1:192:A:LEU:HD13	1:194:A:VAL:H	2	0.43
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	15	0.43
(2,750)	1:192:A:LEU:HD11	1:194:A:VAL:H	18	0.43
(2,747)	1:192:A:LEU:HB3	1:193:A:LYS:H	7	0.43
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG22	8	0.43
(2,696)	1:217:A:LEU:HD22	1:221:A:MET:HE1	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:187:A:THR:HG21	1:188:A:VAL:HG23	3	0.43
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	6	0.43
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	13	0.43
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	4	0.43
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	9	0.43
(2,471)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	6	0.43
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	7	0.43
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	17	0.43
(2,410)	1:192:A:LEU:HD13	1:190:A:GLN:H	5	0.43
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB1	13	0.43
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB1	20	0.43
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	2	0.43
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD12	7	0.43
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	5	0.43
(2,185)	1:191:A:ALA:HB1	1:204:A:THR:H	6	0.43
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	6	0.43
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	10	0.43
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	12	0.43
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	2	0.43
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	3	0.43
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	15	0.43
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	4	0.42
(2,1565)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	5	0.42
(2,1565)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	6	0.42
(2,1537)	1:231:A:VAL:HG21	1:193:A:LYS:H	10	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	5	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	6	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	9	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	11	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	12	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	16	0.42
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	18	0.42
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG13	8	0.42
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	4	0.42
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	4	0.42
(2,1406)	1:225:A:VAL:HG11	1:228:A:GLU:H	10	0.42
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	13	0.42
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	15	0.42
(2,1235)	1:191:A:ALA:HB2	1:204:A:THR:H	10	0.42
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	3	0.42
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	17	0.42
(2,1174)	1:192:A:LEU:HB3	1:193:A:LYS:H	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	5	0.42
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	15	0.42
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	20	0.42
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	9	0.42
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	8	0.42
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG21	11	0.42
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG21	15	0.42
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	14	0.42
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	9	0.42
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	13	0.42
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	20	0.42
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	10	0.42
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	12	0.42
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	5	0.42
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	9	0.42
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	2	0.42
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	3	0.42
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	5	0.42
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	6	0.42
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	7	0.42
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	5	0.42
(2,838)	1:185:A:ALA:HB1	1:186:A:LEU:H	14	0.42
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG21	3	0.42
(2,750)	1:192:A:LEU:HD13	1:194:A:VAL:H	1	0.42
(2,750)	1:192:A:LEU:HD11	1:194:A:VAL:H	5	0.42
(2,750)	1:192:A:LEU:HD11	1:194:A:VAL:H	11	0.42
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	6	0.42
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG23	7	0.42
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	9	0.42
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	11	0.42
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE2	18	0.42
(2,685)	1:187:A:THR:HG21	1:188:A:VAL:HG23	1	0.42
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG23	6	0.42
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG21	8	0.42
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	1	0.42
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	14	0.42
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	18	0.42
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	20	0.42
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	7	0.42
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	16	0.42
(2,606)	1:203:A:ALA:HB3	1:192:A:LEU:HD13	10	0.42
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,336)	1:230:A:LEU:HB3	1:230:A:LEU:H	1	0.42
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	7	0.42
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	5	0.42
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	7	0.42
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD22	19	0.42
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	17	0.42
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	7	0.41
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	19	0.41
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG12	7	0.41
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	7	0.41
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	20	0.41
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	10	0.41
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG12	19	0.41
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	18	0.41
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	19	0.41
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	12	0.41
(2,1355)	1:216:A:GLN:HE21	1:220:A:GLY:H	4	0.41
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	2	0.41
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	6	0.41
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	10	0.41
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	18	0.41
(2,1214)	1:201:A:MET:H	1:193:A:LYS:HG2	14	0.41
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	10	0.41
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	5	0.41
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	8	0.41
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	5	0.41
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	8	0.41
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	7	0.41
(2,1174)	1:192:A:LEU:HB3	1:193:A:LYS:H	9	0.41
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	14	0.41
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	9	0.41
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	13	0.41
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	1	0.41
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	6	0.41
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	14	0.41
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	18	0.41
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	15	0.41
(2,984)	1:217:A:LEU:HD21	1:221:A:MET:HE3	9	0.41
(2,983)	1:196:A:ALA:HB3	1:201:A:MET:HE3	11	0.41
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG23	16	0.41
(2,980)	1:196:A:ALA:HB3	1:194:A:VAL:HG11	17	0.41
(2,956)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	15	0.41
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	10	0.41
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	7	0.41
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	12	0.41
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	13	0.41
(2,848)	1:184:A:SER:HB3	1:184:A:SER:HA	18	0.41
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	2	0.41
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	3	0.41
(2,838)	1:185:A:ALA:HB1	1:186:A:LEU:H	16	0.41
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	17	0.41
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	16	0.41
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	19	0.41
(2,747)	1:192:A:LEU:HB3	1:193:A:LYS:H	14	0.41
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	2	0.41
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	4	0.41
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	5	0.41
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	13	0.41
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	14	0.41
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG23	16	0.41
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG23	17	0.41
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG22	18	0.41
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG23	11	0.41
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG22	18	0.41
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	3	0.41
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	5	0.41
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	8	0.41
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	11	0.41
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	11	0.41
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	8	0.41
(2,479)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	6	0.41
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	7	0.41
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	12	0.41
(2,410)	1:192:A:LEU:HD11	1:190:A:GLN:H	19	0.41
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB1	2	0.41
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB3	14	0.41
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	1	0.41
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	4	0.41
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD13	12	0.41
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	15	0.41
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	11	0.41
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	10	0.41
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	3	0.4
(2,1565)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	13	0.4
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	14	0.4
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	7	0.4
(2,1537)	1:231:A:VAL:HG23	1:193:A:LYS:H	1	0.4
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	3	0.4
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	16	0.4
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	2	0.4
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	6	0.4
(2,1422)	1:225:A:VAL:HG23	1:230:A:LEU:H	9	0.4
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	11	0.4
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	13	0.4
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	15	0.4
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	16	0.4
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	17	0.4
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	12	0.4
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	11	0.4
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	7	0.4
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	12	0.4
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	9	0.4
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	13	0.4
(2,1214)	1:201:A:MET:H	1:193:A:LYS:HG2	3	0.4
(2,1198)	1:195:A:LYS:HG3	1:196:A:ALA:H	5	0.4
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	9	0.4
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	12	0.4
(2,1191)	1:194:A:VAL:HG23	1:195:A:LYS:H	9	0.4
(2,1185)	1:192:A:LEU:HD11	1:194:A:VAL:H	6	0.4
(2,1175)	1:203:A:ALA:HB3	1:193:A:LYS:H	19	0.4
(2,1174)	1:192:A:LEU:HB3	1:193:A:LYS:H	6	0.4
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	19	0.4
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	10	0.4
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	10	0.4
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	14	0.4
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	13	0.4
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD13	16	0.4
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	3	0.4
(2,980)	1:196:A:ALA:HB1	1:194:A:VAL:HG12	11	0.4
(2,959)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	10	0.4
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	12	0.4
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	3	0.4
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	5	0.4
(2,918)	1:199:A:ASN:H	1:197:A:GLY:HA2	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	1	0.4
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	19	0.4
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	5	0.4
(2,874)	1:206:A:LEU:HD21	1:222:A:SER:HB3	11	0.4
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	19	0.4
(2,864)	1:198:A:GLN:HB3	1:198:A:GLN:HA	7	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	3	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	10	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	13	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	15	0.4
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	20	0.4
(2,838)	1:185:A:ALA:HB1	1:186:A:LEU:H	1	0.4
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	6	0.4
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	11	0.4
(2,838)	1:185:A:ALA:HB1	1:186:A:LEU:H	18	0.4
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG23	15	0.4
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	17	0.4
(2,747)	1:192:A:LEU:HB3	1:193:A:LYS:H	9	0.4
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	1	0.4
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	3	0.4
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG21	10	0.4
(2,703)	1:205:A:VAL:HG12	1:205:A:VAL:HG21	12	0.4
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG22	15	0.4
(2,703)	1:205:A:VAL:HG13	1:205:A:VAL:HG22	20	0.4
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG22	5	0.4
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG22	8	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG22	4	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG22	7	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG23	10	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG21	12	0.4
(2,685)	1:187:A:THR:HG21	1:188:A:VAL:HG23	14	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG21	15	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG21	16	0.4
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG22	19	0.4
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG23	20	0.4
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	10	0.4
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	15	0.4
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	16	0.4
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	17	0.4
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	6	0.4
(2,632)	1:181:A:SER:HB2	1:181:A:SER:H	16	0.4
(2,606)	1:203:A:ALA:HB1	1:192:A:LEU:HD13	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:199:A:ASN:HD21	1:198:A:GLN:HG3	2	0.4
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	9	0.4
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	3	0.4
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	11	0.4
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	14	0.4
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	5	0.4
(2,402)	1:195:A:LYS:H	1:200:A:ALA:HB2	3	0.4
(2,185)	1:191:A:ALA:HB1	1:204:A:THR:H	18	0.4
(2,150)	1:195:A:LYS:HG3	1:196:A:ALA:H	12	0.4
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	6	0.4
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	9	0.4
(1,29)	1:206:A:LEU:HG	1:216:A:GLN:HE22	18	0.4
(2,1565)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	10	0.39
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	9	0.39
(2,1546)	1:204:A:THR:HG23	1:190:A:GLN:H	11	0.39
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	13	0.39
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	15	0.39
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	16	0.39
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	1	0.39
(2,1504)	1:205:A:VAL:HA	1:190:A:GLN:H	14	0.39
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	9	0.39
(2,1422)	1:225:A:VAL:HG23	1:230:A:LEU:H	3	0.39
(2,1422)	1:225:A:VAL:HG23	1:230:A:LEU:H	4	0.39
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	19	0.39
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	1	0.39
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	11	0.39
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	7	0.39
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	20	0.39
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	17	0.39
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	19	0.39
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	14	0.39
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	18	0.39
(2,1286)	1:227:A:ALA:HB2	1:211:A:ASP:H	3	0.39
(2,1208)	1:196:A:ALA:HB3	1:199:A:ASN:H	11	0.39
(2,1191)	1:194:A:VAL:HG21	1:195:A:LYS:H	4	0.39
(2,1191)	1:194:A:VAL:HG21	1:195:A:LYS:H	12	0.39
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	12	0.39
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	11	0.39
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	12	0.39
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	2	0.39
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD12	2	0.39
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG21	2	0.39
(2,984)	1:217:A:LEU:HD23	1:221:A:MET:HE1	13	0.39
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG22	1	0.39
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG13	12	0.39
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	5	0.39
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB2	17	0.39
(2,943)	1:215:A:VAL:HG12	1:224:A:ILE:HG21	20	0.39
(2,903)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	9	0.39
(2,874)	1:206:A:LEU:HD21	1:222:A:SER:HB3	12	0.39
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	1	0.39
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	2	0.39
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	11	0.39
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	14	0.39
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	16	0.39
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG22	18	0.39
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	14	0.39
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	5	0.39
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	8	0.39
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	12	0.39
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	7	0.39
(2,747)	1:192:A:LEU:HB3	1:193:A:LYS:H	6	0.39
(2,703)	1:205:A:VAL:HG11	1:205:A:VAL:HG23	19	0.39
(2,695)	1:196:A:ALA:HB2	1:201:A:MET:HE3	3	0.39
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	14	0.39
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG23	9	0.39
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG23	17	0.39
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	2	0.39
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	7	0.39
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	9	0.39
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	20	0.39
(2,632)	1:181:A:SER:HB2	1:181:A:SER:H	11	0.39
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	1	0.39
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	2	0.39
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	16	0.39
(2,464)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	1	0.39
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	9	0.39
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD13	20	0.39
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	20	0.39
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	9	0.39
(2,241)	1:210:A:LYS:HB2	1:212:A:GLY:H	17	0.39
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	19	0.39
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,113)	1:187:A:THR:HG22	1:190:A:GLN:H	1	0.39
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	7	0.39
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	10	0.39
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	12	0.39
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	3	0.39
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	18	0.39
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	20	0.39
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	3	0.39
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	7	0.39
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	20	0.38
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG11	18	0.38
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG13	2	0.38
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG13	3	0.38
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG13	13	0.38
(2,1422)	1:225:A:VAL:HG23	1:230:A:LEU:H	5	0.38
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	8	0.38
(2,1422)	1:225:A:VAL:HG22	1:230:A:LEU:H	14	0.38
(2,1422)	1:225:A:VAL:HG21	1:230:A:LEU:H	18	0.38
(2,1406)	1:225:A:VAL:HG11	1:228:A:GLU:H	2	0.38
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	8	0.38
(2,1406)	1:225:A:VAL:HG11	1:228:A:GLU:H	16	0.38
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	1	0.38
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	3	0.38
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	5	0.38
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	2	0.38
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	5	0.38
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	9	0.38
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	8	0.38
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	8	0.38
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	8	0.38
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	17	0.38
(2,1191)	1:194:A:VAL:HG22	1:195:A:LYS:H	7	0.38
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB1	9	0.38
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	9	0.38
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	1	0.38
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD12	3	0.38
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	5	0.38
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD12	6	0.38
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	9	0.38
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	17	0.38
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	3	0.38
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG22	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	3	0.38
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD12	7	0.38
(2,986)	1:203:A:ALA:HB2	1:217:A:LEU:HD13	12	0.38
(2,984)	1:217:A:LEU:HD22	1:221:A:MET:HE2	5	0.38
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE3	8	0.38
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	2	0.38
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG22	19	0.38
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB1	20	0.38
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	13	0.38
(2,857)	1:181:A:SER:HB2	1:181:A:SER:HA	6	0.38
(2,857)	1:181:A:SER:HB2	1:181:A:SER:HA	18	0.38
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG23	6	0.38
(2,851)	1:213:A:VAL:HA	1:213:A:VAL:HG21	17	0.38
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	13	0.38
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	16	0.38
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	9	0.38
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	6	0.38
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG22	5	0.38
(2,685)	1:187:A:THR:HG22	1:188:A:VAL:HG22	13	0.38
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	2	0.38
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	14	0.38
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	19	0.38
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	8	0.38
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	2	0.38
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	4	0.38
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	6	0.38
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	9	0.38
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	4	0.38
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	13	0.38
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	2	0.38
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	3	0.38
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	8	0.38
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	10	0.38
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD13	16	0.38
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	18	0.38
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	2	0.38
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	9	0.38
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	13	0.38
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	15	0.38
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	17	0.38
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	18	0.38
(1,25)	1:218:A:ASN:HB3	1:194:A:VAL:H	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	16	0.38
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	10	0.38
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	9	0.38
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	1	0.37
(2,1546)	1:204:A:THR:HG23	1:190:A:GLN:H	3	0.37
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	5	0.37
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	6	0.37
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	15	0.37
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG12	20	0.37
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	19	0.37
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	3	0.37
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	5	0.37
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	9	0.37
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	12	0.37
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	14	0.37
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	15	0.37
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	17	0.37
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	4	0.37
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	13	0.37
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	18	0.37
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	3	0.37
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	20	0.37
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	18	0.37
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	4	0.37
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	9	0.37
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	19	0.37
(2,1198)	1:195:A:LYS:HG3	1:196:A:ALA:H	8	0.37
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	1	0.37
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	7	0.37
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	18	0.37
(2,1191)	1:194:A:VAL:HG22	1:195:A:LYS:H	1	0.37
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	12	0.37
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	11	0.37
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD22	16	0.37
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	11	0.37
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	4	0.37
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	7	0.37
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	15	0.37
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	19	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	1	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	8	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	11	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	13	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	15	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	16	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD12	18	0.37
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD11	19	0.37
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG21	5	0.37
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	1	0.37
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD13	20	0.37
(2,981)	1:196:A:ALA:HB1	1:194:A:VAL:HG21	4	0.37
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG12	18	0.37
(2,959)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	15	0.37
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	11	0.37
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	16	0.37
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	17	0.37
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	18	0.37
(2,874)	1:206:A:LEU:HD21	1:222:A:SER:HB3	1	0.37
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	2	0.37
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	14	0.37
(2,857)	1:181:A:SER:HB2	1:181:A:SER:HA	7	0.37
(2,857)	1:181:A:SER:HB2	1:181:A:SER:HA	8	0.37
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG22	20	0.37
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	9	0.37
(2,785)	1:204:A:THR:HG23	1:190:A:GLN:H	11	0.37
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	13	0.37
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	15	0.37
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	20	0.37
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	17	0.37
(2,750)	1:192:A:LEU:HD11	1:194:A:VAL:H	6	0.37
(2,721)	1:224:A:ILE:HG12	1:224:A:ILE:HG21	12	0.37
(2,695)	1:196:A:ALA:HB3	1:201:A:MET:HE2	5	0.37
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE2	6	0.37
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	15	0.37
(2,685)	1:187:A:THR:HG23	1:188:A:VAL:HG21	2	0.37
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	19	0.37
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	4	0.37
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	9	0.37
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	15	0.37
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	19	0.37
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD12	11	0.37
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	11	0.37
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	19	0.37
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	12	0.37
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	10	0.37
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	14	0.37
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	18	0.37
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	14	0.37
(2,331)	1:229:A:HIS:HB3	1:229:A:HIS:H	18	0.37
(2,314)	1:226:A:ARG:H	1:226:A:ARG:HB3	11	0.37
(2,113)	1:187:A:THR:HG22	1:190:A:GLN:H	3	0.37
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	4	0.37
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	5	0.37
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	11	0.37
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	16	0.37
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	19	0.37
(2,113)	1:187:A:THR:HG21	1:190:A:GLN:H	20	0.37
(1,12)	1:214:A:ARG:HG2	1:215:A:VAL:H	11	0.37
(1,10)	1:215:A:VAL:HG13	1:205:A:VAL:H	19	0.37
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	9	0.37
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	20	0.37
(1,1)	1:232:A:PHE:H	1:192:A:LEU:HG	4	0.37
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	3	0.36
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	5	0.36
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	11	0.36
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	15	0.36
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	17	0.36
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	2	0.36
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	2	0.36
(2,1546)	1:204:A:THR:HG23	1:190:A:GLN:H	7	0.36
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	10	0.36
(2,1546)	1:204:A:THR:HG23	1:190:A:GLN:H	12	0.36
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	17	0.36
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	18	0.36
(2,1546)	1:204:A:THR:HG21	1:190:A:GLN:H	19	0.36
(2,1496)	1:195:A:LYS:H	1:194:A:VAL:HG11	14	0.36
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	17	0.36
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	6	0.36
(2,1406)	1:225:A:VAL:HG13	1:228:A:GLU:H	18	0.36
(2,1406)	1:225:A:VAL:HG12	1:228:A:GLU:H	20	0.36
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	5	0.36
(2,1390)	1:226:A:ARG:H	1:226:A:ARG:HB3	6	0.36
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	12	0.36
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	6	0.36
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	10	0.36
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	7	0.36
(2,1286)	1:227:A:ALA:HB1	1:211:A:ASP:H	1	0.36
(2,1235)	1:191:A:ALA:HB3	1:204:A:THR:H	12	0.36
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB1	19	0.36
(2,1208)	1:196:A:ALA:HB1	1:199:A:ASN:H	14	0.36
(2,1200)	1:194:A:VAL:HG22	1:196:A:ALA:H	19	0.36
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	17	0.36
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	1	0.36
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	3	0.36
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	13	0.36
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	7	0.36
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	16	0.36
(2,986)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	4	0.36
(2,986)	1:203:A:ALA:HB1	1:217:A:LEU:HD13	17	0.36
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	2	0.36
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	4	0.36
(2,874)	1:206:A:LEU:HD21	1:222:A:SER:HB3	9	0.36
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	8	0.36
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	5	0.36
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	9	0.36
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG23	10	0.36
(2,671)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	9	0.36
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	4	0.36
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	5	0.36
(2,645)	1:210:A:LYS:HA	1:210:A:LYS:HB2	10	0.36
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	20	0.36
(2,606)	1:203:A:ALA:HB1	1:192:A:LEU:HD12	4	0.36
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD12	6	0.36
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	10	0.36
(2,444)	1:224:A:ILE:HG21	1:230:A:LEU:H	5	0.36
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	15	0.36
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	6	0.36
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD12	6	0.36
(2,336)	1:230:A:LEU:HB3	1:230:A:LEU:H	10	0.36
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	11	0.36
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	12	0.36
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	3	0.36
(2,113)	1:187:A:THR:HG23	1:190:A:GLN:H	8	0.36
(2,113)	1:187:A:THR:HG22	1:190:A:GLN:H	14	0.36
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	4	0.36
(1,25)	1:193:A:LYS:HE2	1:194:A:VAL:H	10	0.36
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	6	0.36
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	4	0.35
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	10	0.35
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	16	0.35
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	9	0.35
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	6	0.35
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	16	0.35
(2,1565)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	2	0.35
(2,1565)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	18	0.35
(2,1554)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	8	0.35
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	1	0.35
(2,1537)	1:231:A:VAL:HG21	1:193:A:LYS:H	4	0.35
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	14	0.35
(2,1488)	1:191:A:ALA:HB1	1:203:A:ALA:H	16	0.35
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	5	0.35
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	11	0.35
(2,1436)	1:218:A:ASN:H	1:217:A:LEU:HD11	9	0.35
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	3	0.35
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	16	0.35
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	19	0.35
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	17	0.35
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	8	0.35
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	2	0.35
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	6	0.35
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	8	0.35
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	14	0.35
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	12	0.35
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	17	0.35
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	13	0.35
(2,1297)	1:209:A:THR:HG22	1:212:A:GLY:H	5	0.35
(2,1235)	1:191:A:ALA:HB1	1:204:A:THR:H	9	0.35
(2,1191)	1:194:A:VAL:HG21	1:195:A:LYS:H	17	0.35
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	7	0.35
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	3	0.35
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	7	0.35
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD22	13	0.35
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	15	0.35
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	2	0.35
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	14	0.35
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD12	4	0.35
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG23	12	0.35
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	3	0.35
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	16	0.35
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	3	0.35
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	15	0.35
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	4	0.35
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	8	0.35
(2,785)	1:204:A:THR:HG23	1:190:A:GLN:H	3	0.35
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	6	0.35
(2,785)	1:204:A:THR:HG23	1:190:A:GLN:H	12	0.35
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	17	0.35
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	18	0.35
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	1	0.35
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	7	0.35
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	17	0.35
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	18	0.35
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	13	0.35
(2,696)	1:217:A:LEU:HD21	1:221:A:MET:HE3	9	0.35
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	5	0.35
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	10	0.35
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	13	0.35
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	15	0.35
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	2	0.35
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	9	0.35
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	7	0.35
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	13	0.35
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	18	0.35
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	14	0.35
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	15	0.35
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	3	0.35
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	5	0.35
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	15	0.35
(2,444)	1:224:A:ILE:HG21	1:230:A:LEU:H	8	0.35
(2,444)	1:224:A:ILE:HG21	1:230:A:LEU:H	19	0.35
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG13	8	0.35
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	12	0.35
(2,299)	1:221:A:MET:HG2	1:222:A:SER:H	10	0.35
(2,285)	1:217:A:LEU:HD11	1:220:A:GLY:H	2	0.35
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	5	0.35
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	7	0.35
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	1	0.35
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	4	0.35
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	20	0.35
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	20	0.35
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD23	20	0.35
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	8	0.35
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	11	0.35
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	7	0.34
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	7	0.34
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	11	0.34
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	15	0.34
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	16	0.34
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	4	0.34
(2,1546)	1:204:A:THR:HG22	1:190:A:GLN:H	8	0.34
(2,1537)	1:231:A:VAL:HG23	1:193:A:LYS:H	12	0.34
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	11	0.34
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	8	0.34
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	2	0.34
(2,1488)	1:191:A:ALA:HB1	1:203:A:ALA:H	6	0.34
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	2	0.34
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	8	0.34
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	14	0.34
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	18	0.34
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	19	0.34
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	17	0.34
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	4	0.34
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	19	0.34
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	11	0.34
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	20	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	2	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	3	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	5	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	10	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	15	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	16	0.34
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	18	0.34
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	12	0.34
(2,1191)	1:194:A:VAL:HG22	1:195:A:LYS:H	11	0.34
(2,1191)	1:194:A:VAL:HG23	1:195:A:LYS:H	18	0.34
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	3	0.34
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	11	0.34
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	6	0.34
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	16	0.34
(2,1010)	1:217:A:LEU:HD23	1:223:A:LEU:HB3	13	0.34
(2,996)	1:208:A:ILE:HA	1:208:A:ILE:HD13	12	0.34
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	20	0.34
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	6	0.34
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	5	0.34
(2,838)	1:185:A:ALA:HB1	1:186:A:LEU:H	9	0.34
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	15	0.34
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	20	0.34
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	1	0.34
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	2	0.34
(2,785)	1:204:A:THR:HG23	1:190:A:GLN:H	7	0.34
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	10	0.34
(2,785)	1:204:A:THR:HG21	1:190:A:GLN:H	19	0.34
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	10	0.34
(2,695)	1:196:A:ALA:HB3	1:201:A:MET:HE3	11	0.34
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	9	0.34
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	13	0.34
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	20	0.34
(2,585)	1:183:A:ILE:HG12	1:183:A:ILE:HG22	2	0.34
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	19	0.34
(2,539)	1:185:A:ALA:HB1	1:186:A:LEU:H	14	0.34
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	1	0.34
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	5	0.34
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	6	0.34
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	16	0.34
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	20	0.34
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	20	0.34
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	6	0.34
(2,444)	1:224:A:ILE:HG21	1:230:A:LEU:H	16	0.34
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	10	0.34
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG12	19	0.34
(2,370)	1:202:A:ASP:HB2	1:201:A:MET:H	17	0.34
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	5	0.34
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD12	11	0.34
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	19	0.34
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	4	0.34
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	11	0.34
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	14	0.34
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	17	0.34
(2,143)	1:195:A:LYS:HB2	1:195:A:LYS:H	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:195:A:LYS:HB2	1:195:A:LYS:H	8	0.34
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	6	0.34
(1,35)	1:190:A:GLN:H	1:187:A:THR:HA	8	0.34
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	14	0.34
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	15	0.34
(1,10)	1:215:A:VAL:HG13	1:205:A:VAL:H	20	0.34
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	12	0.34
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD23	20	0.34
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	12	0.34
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	14	0.33
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	4	0.33
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	14	0.33
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	17	0.33
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	10	0.33
(2,1538)	1:224:A:ILE:HG23	1:230:A:LEU:H	1	0.33
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	2	0.33
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	18	0.33
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	7	0.33
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	20	0.33
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	4	0.33
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	13	0.33
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG23	20	0.33
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	17	0.33
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	1	0.33
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	11	0.33
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	20	0.33
(2,1297)	1:209:A:THR:HG22	1:212:A:GLY:H	9	0.33
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	5	0.33
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB1	6	0.33
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	10	0.33
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	1	0.33
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	8	0.33
(2,1028)	1:231:A:VAL:H	1:230:A:LEU:H	18	0.33
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	6	0.33
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	7	0.33
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	9	0.33
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	10	0.33
(2,980)	1:196:A:ALA:HB1	1:194:A:VAL:HG12	4	0.33
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	12	0.33
(2,838)	1:185:A:ALA:HB3	1:186:A:LEU:H	10	0.33
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	19	0.33
(2,836)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,814)	1:217:A:LEU:HG	1:215:A:VAL:HG22	14	0.33
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	4	0.33
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	5	0.33
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	9	0.33
(2,696)	1:217:A:LEU:HD23	1:221:A:MET:HE1	13	0.33
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG23	16	0.33
(2,669)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	12	0.33
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	13	0.33
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	19	0.33
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	5	0.33
(2,572)	1:206:A:LEU:HD21	1:222:A:SER:HB3	11	0.33
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	10	0.33
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	12	0.33
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	20	0.33
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	2	0.33
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	3	0.33
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	5	0.33
(2,539)	1:185:A:ALA:HB1	1:186:A:LEU:H	16	0.33
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	17	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	2	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	3	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	7	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	14	0.33
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	17	0.33
(2,464)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	5	0.33
(2,464)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	6	0.33
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	12	0.33
(2,441)	1:181:A:SER:H	1:180:A:VAL:HG11	6	0.33
(2,242)	1:209:A:THR:HG23	1:212:A:GLY:H	2	0.33
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	13	0.33
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	16	0.33
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	19	0.33
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	2	0.33
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	4	0.33
(2,145)	1:194:A:VAL:HG23	1:195:A:LYS:H	9	0.33
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	2	0.33
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	19	0.33
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	13	0.33
(1,10)	1:215:A:VAL:HG13	1:205:A:VAL:H	18	0.33
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	1	0.33
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	1	0.33
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1584)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	18	0.32
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	18	0.32
(2,1565)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	11	0.32
(2,1565)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	17	0.32
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	5	0.32
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	9	0.32
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	17	0.32
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	6	0.32
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	17	0.32
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	1	0.32
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	17	0.32
(2,1379)	1:225:A:VAL:HG12	1:225:A:VAL:H	2	0.32
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	14	0.32
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	15	0.32
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	17	0.32
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	18	0.32
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	20	0.32
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	2	0.32
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	12	0.32
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	6	0.32
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	14	0.32
(2,1286)	1:227:A:ALA:HB3	1:211:A:ASP:H	20	0.32
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB3	8	0.32
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	11	0.32
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	4	0.32
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	8	0.32
(2,1109)	1:183:A:ILE:HG13	1:184:A:SER:H	2	0.32
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	16	0.32
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	18	0.32
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	2	0.32
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	5	0.32
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	11	0.32
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	9	0.32
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	10	0.32
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	1	0.32
(2,980)	1:196:A:ALA:HB1	1:194:A:VAL:HG11	1	0.32
(2,980)	1:196:A:ALA:HB3	1:194:A:VAL:HG13	9	0.32
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	19	0.32
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB1	1	0.32
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB1	4	0.32
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB2	7	0.32
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,838)	1:185:A:ALA:HB2	1:186:A:LEU:H	12	0.32
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	1	0.32
(2,785)	1:204:A:THR:HG22	1:190:A:GLN:H	8	0.32
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	11	0.32
(2,696)	1:217:A:LEU:HD22	1:221:A:MET:HE2	5	0.32
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG23	3	0.32
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	12	0.32
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB2	17	0.32
(2,656)	1:215:A:VAL:HG12	1:224:A:ILE:HG21	20	0.32
(2,572)	1:206:A:LEU:HD21	1:222:A:SER:HB3	12	0.32
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	10	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	2	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	3	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	4	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	5	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	6	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	8	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	9	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	11	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	14	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	18	0.32
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	19	0.32
(2,539)	1:185:A:ALA:HB1	1:186:A:LEU:H	1	0.32
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	6	0.32
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	11	0.32
(2,539)	1:185:A:ALA:HB1	1:186:A:LEU:H	18	0.32
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	19	0.32
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	4	0.32
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	7	0.32
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	19	0.32
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	12	0.32
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	13	0.32
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	16	0.32
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	13	0.32
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	6	0.32
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	2	0.32
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	6	0.32
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	15	0.32
(2,168)	1:201:A:MET:H	1:193:A:LYS:HG2	14	0.32
(2,145)	1:194:A:VAL:HG21	1:195:A:LYS:H	4	0.32
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	11	0.32
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:190:A:GLN:H	1:187:A:THR:HA	8	0.32
(2,1577)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	3	0.31
(2,1540)	1:224:A:ILE:HD13	1:213:A:VAL:H	1	0.31
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	13	0.31
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	20	0.31
(2,1532)	1:180:A:VAL:HG13	1:182:A:ASP:H	14	0.31
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	19	0.31
(2,1477)	1:206:A:LEU:HD22	1:206:A:LEU:H	14	0.31
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	17	0.31
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	10	0.31
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	15	0.31
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	2	0.31
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	11	0.31
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	15	0.31
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	18	0.31
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	3	0.31
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	4	0.31
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	5	0.31
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	6	0.31
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	1	0.31
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	10	0.31
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	16	0.31
(2,1305)	1:213:A:VAL:HB	1:213:A:VAL:H	17	0.31
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	8	0.31
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	13	0.31
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	7	0.31
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	1	0.31
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	7	0.31
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	4	0.31
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	13	0.31
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB1	16	0.31
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	2	0.31
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	12	0.31
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	8	0.31
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	8	0.31
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	10	0.31
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	6	0.31
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	6	0.31
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	7	0.31
(2,1004)	1:224:A:ILE:HD13	1:213:A:VAL:HG21	3	0.31
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG23	19	0.31
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG23	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	2	0.31
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	6	0.31
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG23	7	0.31
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	16	0.31
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	19	0.31
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	8	0.31
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	20	0.31
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	13	0.31
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	18	0.31
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	4	0.31
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	13	0.31
(2,862)	1:200:A:ALA:HB2	1:195:A:LYS:HA	3	0.31
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	13	0.31
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	12	0.31
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	6	0.31
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	14	0.31
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG22	1	0.31
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	5	0.31
(2,671)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	10	0.31
(2,606)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	9	0.31
(2,572)	1:206:A:LEU:HD21	1:222:A:SER:HB3	1	0.31
(2,544)	1:228:A:GLU:HA	1:228:A:GLU:HB3	16	0.31
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	9	0.31
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	11	0.31
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	15	0.31
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	3	0.31
(2,464)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	13	0.31
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	14	0.31
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	16	0.31
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG13	2	0.31
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG13	13	0.31
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	18	0.31
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	4	0.31
(2,325)	1:225:A:VAL:HG11	1:228:A:GLU:H	10	0.31
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	13	0.31
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	9	0.31
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	10	0.31
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	18	0.31
(2,185)	1:191:A:ALA:HB1	1:204:A:THR:H	16	0.31
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	17	0.31
(2,168)	1:201:A:MET:H	1:193:A:LYS:HG2	3	0.31
(2,145)	1:194:A:VAL:HG22	1:195:A:LYS:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:194:A:VAL:HG21	1:195:A:LYS:H	12	0.31
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD22	6	0.31
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	9	0.31
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG23	20	0.31
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	10	0.3
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	7	0.3
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	9	0.3
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	8	0.3
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	7	0.3
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	10	0.3
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	15	0.3
(2,1488)	1:191:A:ALA:HB1	1:203:A:ALA:H	18	0.3
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	6	0.3
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	15	0.3
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	6	0.3
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	12	0.3
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	16	0.3
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	19	0.3
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	14	0.3
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	7	0.3
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	11	0.3
(2,1379)	1:225:A:VAL:HG12	1:225:A:VAL:H	16	0.3
(2,1375)	1:223:A:LEU:H	1:214:A:ARG:HB2	7	0.3
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	15	0.3
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	3	0.3
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	15	0.3
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	1	0.3
(2,1209)	1:199:A:ASN:HB2	1:200:A:ALA:H	20	0.3
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	16	0.3
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	1	0.3
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	4	0.3
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	12	0.3
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	17	0.3
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	18	0.3
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	9	0.3
(2,1185)	1:192:A:LEU:HD12	1:194:A:VAL:H	14	0.3
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	1	0.3
(2,1167)	1:203:A:ALA:HB2	1:192:A:LEU:H	17	0.3
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	15	0.3
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	20	0.3
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	9	0.3
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	10	0.3
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	13	0.3
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD11	6	0.3
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	8	0.3
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	12	0.3
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	12	0.3
(2,993)	1:213:A:VAL:HB	1:205:A:VAL:HG21	4	0.3
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	8	0.3
(2,984)	1:217:A:LEU:HD21	1:221:A:MET:HE1	2	0.3
(2,984)	1:217:A:LEU:HD21	1:221:A:MET:HE2	19	0.3
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	19	0.3
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG23	15	0.3
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB2	9	0.3
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG22	1	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	2	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	3	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	5	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	6	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	13	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	15	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	18	0.3
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	19	0.3
(2,903)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	17	0.3
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	2	0.3
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	12	0.3
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	1	0.3
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	10	0.3
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	12	0.3
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	13	0.3
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	13	0.3
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	1	0.3
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	14	0.3
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD12	2	0.3
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	20	0.3
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE3	8	0.3
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	2	0.3
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG22	19	0.3
(2,657)	1:215:A:VAL:HG11	1:203:A:ALA:HB1	20	0.3
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	3	0.3
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	5	0.3
(2,629)	1:199:A:ASN:H	1:197:A:GLY:HA2	12	0.3
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD11	9	0.3
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD11	18	0.3
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	4	0.3
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	4	0.3
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG22	8	0.3
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG21	12	0.3
(2,464)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	10	0.3
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	7	0.3
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	9	0.3
(2,441)	1:181:A:SER:H	1:180:A:VAL:HG12	7	0.3
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG13	3	0.3
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	2	0.3
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	6	0.3
(2,335)	1:225:A:VAL:HG23	1:230:A:LEU:H	9	0.3
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	11	0.3
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	13	0.3
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	15	0.3
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	16	0.3
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	17	0.3
(2,232)	1:227:A:ALA:HB2	1:211:A:ASP:H	3	0.3
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	13	0.3
(2,185)	1:191:A:ALA:HB2	1:204:A:THR:H	10	0.3
(2,160)	1:196:A:ALA:HB2	1:199:A:ASN:H	3	0.3
(2,150)	1:195:A:LYS:HG3	1:196:A:ALA:H	5	0.3
(2,145)	1:194:A:VAL:HG22	1:195:A:LYS:H	1	0.3
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	5	0.3
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	15	0.3
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	9	0.3
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	4	0.29
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	13	0.29
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	14	0.29
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	18	0.29
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	15	0.29
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	9	0.29
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	3	0.29
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	8	0.29
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	13	0.29
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	16	0.29
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	9	0.29
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	15	0.29
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	13	0.29
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	2	0.29
(2,1297)	1:209:A:THR:HG22	1:212:A:GLY:H	7	0.29
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	16	0.29
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	20	0.29
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	20	0.29
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	7	0.29
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	5	0.29
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	4	0.29
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	15	0.29
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	8	0.29
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG13	13	0.29
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	18	0.29
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	2	0.29
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	3	0.29
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	12	0.29
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	17	0.29
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	18	0.29
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	4	0.29
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	5	0.29
(2,981)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	12	0.29
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	12	0.29
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG22	16	0.29
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	18	0.29
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	4	0.29
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	8	0.29
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	10	0.29
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	11	0.29
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	16	0.29
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	4	0.29
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	8	0.29
(2,885)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	12	0.29
(2,885)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	15	0.29
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	6	0.29
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB2	9	0.29
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	13	0.29
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	17	0.29
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB2	18	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	2	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	3	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	4	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	5	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	7	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	9	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	11	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	14	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	16	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	17	0.29
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	18	0.29
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	16	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD12	3	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	5	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD12	6	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	9	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	11	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	13	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	16	0.29
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	17	0.29
(2,692)	1:196:A:ALA:HB1	1:194:A:VAL:HG21	4	0.29
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	9	0.29
(2,572)	1:206:A:LEU:HD21	1:222:A:SER:HB3	9	0.29
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	13	0.29
(2,517)	1:208:A:ILE:HG13	1:208:A:ILE:HG23	10	0.29
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	14	0.29
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	15	0.29
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	14	0.29
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG11	15	0.29
(2,403)	1:195:A:LYS:H	1:194:A:VAL:HG12	20	0.29
(2,335)	1:225:A:VAL:HG23	1:230:A:LEU:H	3	0.29
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	19	0.29
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	19	0.29
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	18	0.29
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	8	0.29
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB1	19	0.29
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	10	0.29
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	1	0.29
(1,28)	1:192:A:LEU:HD23	1:193:A:LYS:H	12	0.29
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	7	0.29
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	5	0.28
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	14	0.28
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	15	0.28
(2,1550)	1:190:A:GLN:HE21	1:186:A:LEU:HA	8	0.28
(2,1548)	1:190:A:GLN:HA	1:190:A:GLN:HE22	8	0.28
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	5	0.28
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	5	0.28
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	11	0.28
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	5	0.28
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	8	0.28
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	11	0.28
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	16	0.28
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	18	0.28
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	19	0.28
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	1	0.28
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	15	0.28
(2,1407)	1:226:A:ARG:HB2	1:228:A:GLU:H	6	0.28
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	3	0.28
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	11	0.28
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	15	0.28
(2,1391)	1:226:A:ARG:H	1:225:A:VAL:HB	11	0.28
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	5	0.28
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	10	0.28
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	13	0.28
(2,1371)	1:223:A:LEU:H	1:216:A:GLN:HA	1	0.28
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	3	0.28
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	14	0.28
(2,1297)	1:209:A:THR:HG22	1:212:A:GLY:H	20	0.28
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	8	0.28
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	14	0.28
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	10	0.28
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	12	0.28
(2,1233)	1:215:A:VAL:HG22	1:204:A:THR:H	16	0.28
(2,1187)	1:195:A:LYS:H	1:194:A:VAL:HA	9	0.28
(2,1167)	1:203:A:ALA:HB2	1:192:A:LEU:H	7	0.28
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB2	11	0.28
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB1	18	0.28
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD21	17	0.28
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	4	0.28
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	19	0.28
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	19	0.28
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	20	0.28
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	14	0.28
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	16	0.28
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	1	0.28
(2,1010)	1:217:A:LEU:HD23	1:223:A:LEU:HB3	5	0.28
(2,1004)	1:224:A:ILE:HD13	1:213:A:VAL:HG23	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	20	0.28
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD13	4	0.28
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	8	0.28
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	16	0.28
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	17	0.28
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD12	1	0.28
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD13	13	0.28
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	1	0.28
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	2	0.28
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG21	9	0.28
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	13	0.28
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	17	0.28
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	7	0.28
(2,959)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	11	0.28
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD13	7	0.28
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG23	5	0.28
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	8	0.28
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	9	0.28
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	12	0.28
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	14	0.28
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	9	0.28
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	8	0.28
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	13	0.28
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	18	0.28
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	5	0.28
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	18	0.28
(2,862)	1:200:A:ALA:HB1	1:195:A:LYS:HA	20	0.28
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB2	1	0.28
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	2	0.28
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB2	14	0.28
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB2	16	0.28
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	10	0.28
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	8	0.28
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	1	0.28
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	16	0.28
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	9	0.28
(2,750)	1:192:A:LEU:HD12	1:194:A:VAL:H	14	0.28
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	17	0.28
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	6	0.28
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	1	0.28
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	8	0.28
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	15	0.28
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD12	18	0.28
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD11	19	0.28
(2,671)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	15	0.28
(2,606)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	16	0.28
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	14	0.28
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	3	0.28
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	2	0.28
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	14	0.28
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	1	0.28
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	5	0.28
(2,441)	1:181:A:SER:H	1:180:A:VAL:HG11	18	0.28
(2,335)	1:225:A:VAL:HG23	1:230:A:LEU:H	4	0.28
(2,335)	1:225:A:VAL:HG23	1:230:A:LEU:H	5	0.28
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	8	0.28
(2,335)	1:225:A:VAL:HG22	1:230:A:LEU:H	14	0.28
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	1	0.28
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	11	0.28
(2,314)	1:226:A:ARG:H	1:226:A:ARG:HB3	6	0.28
(2,292)	1:216:A:GLN:HE21	1:220:A:GLY:H	4	0.28
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	14	0.28
(2,150)	1:195:A:LYS:HG3	1:196:A:ALA:H	8	0.28
(2,145)	1:194:A:VAL:HG21	1:195:A:LYS:H	17	0.28
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	12	0.28
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	1	0.28
(1,10)	1:215:A:VAL:HG13	1:205:A:VAL:H	5	0.28
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	10	0.27
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	20	0.27
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	5	0.27
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	2	0.27
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	6	0.27
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	9	0.27
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	19	0.27
(2,1488)	1:191:A:ALA:HB1	1:203:A:ALA:H	9	0.27
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	13	0.27
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	2	0.27
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	3	0.27
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	12	0.27
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	17	0.27
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	19	0.27
(2,1454)	1:217:A:LEU:HD22	1:221:A:MET:H	18	0.27
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	9	0.27
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	14	0.27
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	2	0.27
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	4	0.27
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	20	0.27
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	19	0.27
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	14	0.27
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	15	0.27
(2,1379)	1:225:A:VAL:HG11	1:225:A:VAL:H	12	0.27
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG23	2	0.27
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG23	9	0.27
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG23	16	0.27
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	1	0.27
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	11	0.27
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	20	0.27
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	6	0.27
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	17	0.27
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB1	5	0.27
(2,1200)	1:194:A:VAL:HG21	1:196:A:ALA:H	12	0.27
(2,1167)	1:203:A:ALA:HB2	1:192:A:LEU:H	18	0.27
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	9	0.27
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	2	0.27
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	17	0.27
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	2	0.27
(2,1114)	1:184:A:SER:HB3	1:186:A:LEU:H	12	0.27
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	5	0.27
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	5	0.27
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	4	0.27
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	14	0.27
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	11	0.27
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	19	0.27
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG21	1	0.27
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	15	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	1	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD13	3	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	7	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	9	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	10	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	11	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD11	15	0.27
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	19	0.27
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG23	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	13	0.27
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG22	18	0.27
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	20	0.27
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD11	18	0.27
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG21	3	0.27
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG21	5	0.27
(2,960)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	6	0.27
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG23	8	0.27
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	10	0.27
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	11	0.27
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	6	0.27
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	1	0.27
(2,885)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	11	0.27
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	17	0.27
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	14	0.27
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	20	0.27
(2,868)	1:226:A:ARG:HA	1:226:A:ARG:HG3	19	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	3	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	5	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	6	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	7	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	11	0.27
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	12	0.27
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	13	0.27
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	15	0.27
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	15	0.27
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	19	0.27
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	18	0.27
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	5	0.27
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	7	0.27
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	15	0.27
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	8	0.27
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	4	0.27
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	5	0.27
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	11	0.27
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	15	0.27
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	2	0.27
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	3	0.27
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	10	0.27
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	20	0.27
(2,455)	1:190:A:GLN:HG2	1:190:A:GLN:HE22	8	0.27
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,335)	1:225:A:VAL:HG21	1:230:A:LEU:H	18	0.27
(2,325)	1:225:A:VAL:HG11	1:228:A:GLU:H	2	0.27
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	8	0.27
(2,325)	1:225:A:VAL:HG11	1:228:A:GLU:H	16	0.27
(2,232)	1:227:A:ALA:HB1	1:211:A:ASP:H	1	0.27
(2,160)	1:196:A:ALA:HB3	1:199:A:ASN:H	11	0.27
(2,145)	1:194:A:VAL:HG22	1:195:A:LYS:H	11	0.27
(2,145)	1:194:A:VAL:HG23	1:195:A:LYS:H	18	0.27
(1,36)	1:201:A:MET:HG2	1:194:A:VAL:H	2	0.27
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	1	0.27
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	3	0.26
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	3	0.26
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	4	0.26
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	15	0.26
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	18	0.26
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	10	0.26
(2,1527)	1:183:A:ILE:H	1:183:A:ILE:HG13	2	0.26
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	1	0.26
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	8	0.26
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	4	0.26
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	5	0.26
(2,1477)	1:206:A:LEU:HD22	1:206:A:LEU:H	9	0.26
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	16	0.26
(2,1454)	1:217:A:LEU:HD21	1:221:A:MET:H	9	0.26
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	3	0.26
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	12	0.26
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	17	0.26
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	8	0.26
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	13	0.26
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	6	0.26
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	11	0.26
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	6	0.26
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	20	0.26
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	1	0.26
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	2	0.26
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	3	0.26
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	4	0.26
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	8	0.26
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	4	0.26
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	1	0.26
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	7	0.26
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1297)	1:209:A:THR:HG23	1:212:A:GLY:H	1	0.26
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	8	0.26
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	13	0.26
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	18	0.26
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	19	0.26
(2,1183)	1:203:A:ALA:HB3	1:194:A:VAL:H	12	0.26
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	6	0.26
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD22	18	0.26
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	9	0.26
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	11	0.26
(2,1153)	1:205:A:VAL:HG12	1:190:A:GLN:H	20	0.26
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG23	6	0.26
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	2	0.26
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG13	11	0.26
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	2	0.26
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	5	0.26
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	17	0.26
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	8	0.26
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	12	0.26
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	15	0.26
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	20	0.26
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	3	0.26
(2,1010)	1:217:A:LEU:HD23	1:223:A:LEU:HB3	10	0.26
(2,1010)	1:217:A:LEU:HD23	1:223:A:LEU:HB3	16	0.26
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	4	0.26
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG21	14	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD13	2	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	5	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD13	6	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	13	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	17	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD13	18	0.26
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	20	0.26
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG23	3	0.26
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	14	0.26
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD13	8	0.26
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	17	0.26
(2,961)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	9	0.26
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	4	0.26
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG21	10	0.26
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	14	0.26
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	17	0.26
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	19	0.26
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	1	0.26
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD12	3	0.26
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	4	0.26
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	8	0.26
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG22	2	0.26
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG21	11	0.26
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	20	0.26
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	1	0.26
(2,924)	1:183:A:ILE:HG23	1:184:A:SER:HA	2	0.26
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD21	1	0.26
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD21	7	0.26
(2,920)	1:181:A:SER:HB2	1:181:A:SER:H	20	0.26
(2,911)	1:217:A:LEU:HD12	1:216:A:GLN:HA	7	0.26
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	3	0.26
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	6	0.26
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	9	0.26
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	13	0.26
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	14	0.26
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	19	0.26
(2,885)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	20	0.26
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	4	0.26
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	10	0.26
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	15	0.26
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	19	0.26
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB3	20	0.26
(2,786)	1:190:A:GLN:HA	1:190:A:GLN:HE22	8	0.26
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	9	0.26
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	10	0.26
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	11	0.26
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	2	0.26
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	11	0.26
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD12	4	0.26
(2,705)	1:208:A:ILE:HA	1:208:A:ILE:HD13	12	0.26
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	3	0.26
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD13	16	0.26
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	15	0.26
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	8	0.26
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	15	0.26
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	20	0.26
(2,537)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	3	0.26
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	4	0.26
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	16	0.26
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	17	0.26
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	6	0.26
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	16	0.26
(2,464)	1:192:A:LEU:HD12	1:190:A:GLN:HE22	2	0.26
(2,464)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	18	0.26
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	3	0.26
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	5	0.26
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	9	0.26
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	12	0.26
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	14	0.26
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	17	0.26
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB2	7	0.26
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB2	17	0.26
(2,152)	1:194:A:VAL:HG22	1:196:A:ALA:H	19	0.26
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	7	0.26
(1,42)	1:195:A:LYS:HE3	1:194:A:VAL:H	11	0.26
(1,42)	1:195:A:LYS:HE2	1:194:A:VAL:H	16	0.26
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG23	2	0.26
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG23	16	0.26
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	12	0.25
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	16	0.25
(2,1540)	1:224:A:ILE:HD13	1:213:A:VAL:H	3	0.25
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	11	0.25
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	14	0.25
(2,1540)	1:224:A:ILE:HD13	1:213:A:VAL:H	16	0.25
(2,1540)	1:224:A:ILE:HD13	1:213:A:VAL:H	17	0.25
(2,1532)	1:180:A:VAL:HG12	1:182:A:ASP:H	11	0.25
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	6	0.25
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	11	0.25
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	20	0.25
(2,1477)	1:206:A:LEU:HD22	1:206:A:LEU:H	1	0.25
(2,1477)	1:206:A:LEU:HD22	1:206:A:LEU:H	11	0.25
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	4	0.25
(2,1420)	1:230:A:LEU:HB2	1:230:A:LEU:H	7	0.25
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	7	0.25
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB3	1	0.25
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	10	0.25
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	11	0.25
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1379)	1:225:A:VAL:HG12	1:225:A:VAL:H	10	0.25
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	5	0.25
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	6	0.25
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	7	0.25
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	11	0.25
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	7	0.25
(2,1326)	1:215:A:VAL:HG22	1:216:A:GLN:H	14	0.25
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	11	0.25
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	12	0.25
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	3	0.25
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	7	0.25
(2,1233)	1:215:A:VAL:HG22	1:204:A:THR:H	14	0.25
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	15	0.25
(2,1233)	1:215:A:VAL:HG22	1:204:A:THR:H	20	0.25
(2,1205)	1:199:A:ASN:HB2	1:199:A:ASN:H	19	0.25
(2,1190)	1:195:A:LYS:H	1:195:A:LYS:HB3	11	0.25
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	4	0.25
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	14	0.25
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	19	0.25
(2,1153)	1:205:A:VAL:HG12	1:190:A:GLN:H	12	0.25
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	13	0.25
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	15	0.25
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	1	0.25
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	19	0.25
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	12	0.25
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	15	0.25
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	7	0.25
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	11	0.25
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	13	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	2	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	4	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	7	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	9	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	11	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	16	0.25
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	19	0.25
(2,1063)	1:191:A:ALA:H	1:190:A:GLN:HE22	14	0.25
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	9	0.25
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	8	0.25
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	14	0.25
(2,1004)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	7	0.25
(2,997)	1:208:A:ILE:HB	1:208:A:ILE:HD12	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,961)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	15	0.25
(2,960)	1:186:A:LEU:HD11	1:208:A:ILE:HG22	11	0.25
(2,959)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	14	0.25
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	5	0.25
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD13	12	0.25
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG21	17	0.25
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	20	0.25
(2,924)	1:183:A:ILE:HG23	1:184:A:SER:HA	5	0.25
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	10	0.25
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	12	0.25
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	20	0.25
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	10	0.25
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	16	0.25
(2,874)	1:206:A:LEU:HD23	1:222:A:SER:HB3	8	0.25
(2,839)	1:185:A:ALA:HA	1:185:A:ALA:HB1	8	0.25
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG23	16	0.25
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	17	0.25
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG21	1	0.25
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	6	0.25
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	6	0.25
(2,713)	1:224:A:ILE:HD13	1:213:A:VAL:HG21	3	0.25
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG23	19	0.25
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	19	0.25
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	20	0.25
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB1	1	0.25
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB1	4	0.25
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	12	0.25
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD12	7	0.25
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	18	0.25
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	5	0.25
(2,539)	1:185:A:ALA:HB1	1:186:A:LEU:H	9	0.25
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	19	0.25
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	7	0.25
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	10	0.25
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	7	0.25
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	11	0.25
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	16	0.25
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	12	0.25
(2,448)	1:220:A:GLY:HA3	1:217:A:LEU:H	7	0.25
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	10	0.25
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	17	0.25
(2,347)	1:218:A:ASN:H	1:217:A:LEU:HD11	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	15	0.25
(2,325)	1:225:A:VAL:HG13	1:228:A:GLU:H	18	0.25
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	20	0.25
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	5	0.25
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	9	0.25
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	11	0.25
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	11	0.25
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD22	16	0.25
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD23	9	0.25
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	8	0.25
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	2	0.25
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	10	0.25
(1,10)	1:215:A:VAL:HG12	1:205:A:VAL:H	17	0.25
(1,6)	1:201:A:MET:HG2	1:194:A:VAL:H	2	0.25
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	12	0.24
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	16	0.24
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	19	0.24
(2,1540)	1:224:A:ILE:HD12	1:213:A:VAL:H	7	0.24
(2,1537)	1:231:A:VAL:HG22	1:193:A:LYS:H	19	0.24
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	2	0.24
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	17	0.24
(2,1488)	1:191:A:ALA:HB2	1:203:A:ALA:H	3	0.24
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	7	0.24
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	15	0.24
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	18	0.24
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	5	0.24
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB1	10	0.24
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	1	0.24
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	9	0.24
(2,1390)	1:226:A:ARG:H	1:226:A:ARG:HB3	9	0.24
(2,1388)	1:214:A:ARG:HA	1:225:A:VAL:H	9	0.24
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	5	0.24
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	6	0.24
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	18	0.24
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	3	0.24
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	6	0.24
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	8	0.24
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	18	0.24
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	19	0.24
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	13	0.24
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	18	0.24
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	8	0.24
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	10	0.24
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	19	0.24
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	1	0.24
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	16	0.24
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	12	0.24
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	15	0.24
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	10	0.24
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	11	0.24
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	19	0.24
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	8	0.24
(2,1214)	1:201:A:MET:H	1:193:A:LYS:HG2	4	0.24
(2,1200)	1:194:A:VAL:HG21	1:196:A:ALA:H	4	0.24
(2,1199)	1:196:A:ALA:HB1	1:196:A:ALA:H	19	0.24
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	4	0.24
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	12	0.24
(2,1183)	1:203:A:ALA:HB2	1:194:A:VAL:H	1	0.24
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	9	0.24
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	16	0.24
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	20	0.24
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	14	0.24
(2,1164)	1:192:A:LEU:H	1:191:A:ALA:HB3	8	0.24
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	19	0.24
(2,1153)	1:205:A:VAL:HG12	1:190:A:GLN:H	3	0.24
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	10	0.24
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	18	0.24
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	7	0.24
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	16	0.24
(2,1106)	1:182:A:ASP:HB2	1:184:A:SER:H	1	0.24
(2,1106)	1:182:A:ASP:HB2	1:184:A:SER:H	20	0.24
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	4	0.24
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG12	17	0.24
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG13	19	0.24
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	15	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	3	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	5	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	6	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	10	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	13	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	15	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	17	0.24
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	17	0.24
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	20	0.24
(2,989)	1:191:A:ALA:HA	1:204:A:THR:HG21	15	0.24
(2,981)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	17	0.24
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG12	19	0.24
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	13	0.24
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	20	0.24
(2,960)	1:186:A:LEU:HD12	1:208:A:ILE:HG21	7	0.24
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD22	12	0.24
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	9	0.24
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD11	13	0.24
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD11	14	0.24
(2,953)	1:213:A:VAL:HG12	1:208:A:ILE:HD13	15	0.24
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	17	0.24
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD12	18	0.24
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	3	0.24
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG22	12	0.24
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	14	0.24
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	19	0.24
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB3	16	0.24
(2,929)	1:218:A:ASN:HA	1:218:A:ASN:HB3	7	0.24
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	4	0.24
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	15	0.24
(2,921)	1:184:A:SER:HB2	1:184:A:SER:HA	1	0.24
(2,921)	1:184:A:SER:HB2	1:184:A:SER:HA	14	0.24
(2,921)	1:184:A:SER:HB2	1:184:A:SER:HA	16	0.24
(2,921)	1:184:A:SER:HB2	1:184:A:SER:HA	17	0.24
(2,911)	1:217:A:LEU:HD12	1:216:A:GLN:HA	6	0.24
(2,885)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	10	0.24
(2,866)	1:221:A:MET:HA	1:221:A:MET:HB2	2	0.24
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	4	0.24
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG21	13	0.24
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	11	0.24
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	3	0.24
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	5	0.24
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	13	0.24
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	8	0.24
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	12	0.24
(2,696)	1:217:A:LEU:HD21	1:221:A:MET:HE2	19	0.24
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	20	0.24
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB2	7	0.24
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD23	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	1	0.24
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD11	3	0.24
(2,593)	1:203:A:ALA:HB2	1:217:A:LEU:HD13	12	0.24
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD13	20	0.24
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	13	0.24
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	13	0.24
(2,539)	1:185:A:ALA:HB3	1:186:A:LEU:H	10	0.24
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	14	0.24
(2,479)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	9	0.24
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	4	0.24
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	14	0.24
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	15	0.24
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	17	0.24
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	2	0.24
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	13	0.24
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	16	0.24
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	18	0.24
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	19	0.24
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	8	0.24
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	14	0.24
(2,392)	1:191:A:ALA:HB1	1:203:A:ALA:H	16	0.24
(2,325)	1:225:A:VAL:HG12	1:228:A:GLU:H	6	0.24
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	16	0.24
(2,242)	1:209:A:THR:HG22	1:212:A:GLY:H	5	0.24
(2,185)	1:191:A:ALA:HB1	1:204:A:THR:H	9	0.24
(2,185)	1:191:A:ALA:HB3	1:204:A:THR:H	12	0.24
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB3	8	0.24
(2,160)	1:196:A:ALA:HB1	1:199:A:ASN:H	14	0.24
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	7	0.24
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	6	0.24
(1,25)	1:195:A:LYS:HE3	1:194:A:VAL:H	11	0.24
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD23	9	0.24
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	2	0.23
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	6	0.23
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	13	0.23
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	17	0.23
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	18	0.23
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	14	0.23
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	17	0.23
(2,1532)	1:180:A:VAL:HG11	1:182:A:ASP:H	4	0.23
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	5	0.23
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	3	0.23
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	13	0.23
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	14	0.23
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	7	0.23
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	13	0.23
(2,1392)	1:226:A:ARG:HB2	1:226:A:ARG:H	13	0.23
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	9	0.23
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	4	0.23
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	5	0.23
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	7	0.23
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	9	0.23
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	20	0.23
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	20	0.23
(2,1363)	1:221:A:MET:HB2	1:222:A:SER:H	6	0.23
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	9	0.23
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	2	0.23
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	12	0.23
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	6	0.23
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	15	0.23
(2,1326)	1:215:A:VAL:HG22	1:216:A:GLN:H	16	0.23
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	18	0.23
(2,1297)	1:209:A:THR:HG23	1:212:A:GLY:H	19	0.23
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	4	0.23
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	10	0.23
(2,1200)	1:194:A:VAL:HG22	1:196:A:ALA:H	1	0.23
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	11	0.23
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	10	0.23
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	2	0.23
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	3	0.23
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	8	0.23
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD22	10	0.23
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	14	0.23
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	17	0.23
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	10	0.23
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG23	18	0.23
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	20	0.23
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	10	0.23
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	13	0.23
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	15	0.23
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	16	0.23
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	14	0.23
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	6	0.23
(2,1010)	1:217:A:LEU:HD21	1:223:A:LEU:HB3	15	0.23
(2,1008)	1:217:A:LEU:HD23	1:221:A:MET:HB2	15	0.23
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD11	6	0.23
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD12	7	0.23
(2,961)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	16	0.23
(2,959)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	16	0.23
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	2	0.23
(2,953)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	6	0.23
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	16	0.23
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	20	0.23
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	1	0.23
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	4	0.23
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	9	0.23
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	15	0.23
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	18	0.23
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	8	0.23
(2,923)	1:184:A:SER:HB2	1:184:A:SER:H	19	0.23
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD22	10	0.23
(2,921)	1:184:A:SER:HB2	1:184:A:SER:HA	11	0.23
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	2	0.23
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	9	0.23
(2,911)	1:217:A:LEU:HD12	1:216:A:GLN:HA	11	0.23
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG23	2	0.23
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG23	9	0.23
(2,801)	1:193:A:LYS:HG2	1:193:A:LYS:HA	9	0.23
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG22	5	0.23
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG22	7	0.23
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG21	18	0.23
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	20	0.23
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	2	0.23
(2,715)	1:221:A:MET:HG2	1:217:A:LEU:HD11	6	0.23
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	18	0.23
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	12	0.23
(2,696)	1:217:A:LEU:HD21	1:221:A:MET:HE1	2	0.23
(2,673)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	8	0.23
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG23	15	0.23
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG22	16	0.23
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD13	7	0.23
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG23	5	0.23
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	8	0.23
(2,657)	1:215:A:VAL:HG11	1:203:A:ALA:HB2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,656)	1:215:A:VAL:HG11	1:224:A:ILE:HG22	1	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	2	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	3	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	5	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	6	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	13	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	15	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	18	0.23
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	19	0.23
(2,635)	1:184:A:SER:HB3	1:184:A:SER:H	1	0.23
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	2	0.23
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB2	1	0.23
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB2	9	0.23
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB2	14	0.23
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB2	16	0.23
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	17	0.23
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB2	18	0.23
(2,539)	1:185:A:ALA:HB2	1:186:A:LEU:H	12	0.23
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	8	0.23
(2,482)	1:216:A:GLN:HE22	1:216:A:GLN:HG2	18	0.23
(2,464)	1:192:A:LEU:HD11	1:190:A:GLN:HE22	17	0.23
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	1	0.23
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	6	0.23
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	17	0.23
(2,446)	1:224:A:ILE:HD13	1:213:A:VAL:H	1	0.23
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	20	0.23
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	2	0.23
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	2	0.23
(2,392)	1:191:A:ALA:HB1	1:203:A:ALA:H	6	0.23
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	19	0.23
(2,382)	1:206:A:LEU:HD22	1:206:A:LEU:H	14	0.23
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	6	0.23
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	12	0.23
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	18	0.23
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB2	19	0.23
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	12	0.23
(2,232)	1:227:A:ALA:HB3	1:211:A:ASP:H	20	0.23
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	17	0.23
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	18	0.23
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	4	0.23
(2,126)	1:192:A:LEU:H	1:192:A:LEU:HB2	7	0.23
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD22	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	15	0.23
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	8	0.23
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	17	0.23
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	19	0.23
(1,28)	1:231:A:VAL:HG22	1:193:A:LYS:H	19	0.23
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	18	0.23
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	3	0.23
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	9	0.22
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	1	0.22
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	4	0.22
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	11	0.22
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	2	0.22
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	9	0.22
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	5	0.22
(2,1537)	1:231:A:VAL:HG22	1:193:A:LYS:H	8	0.22
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	8	0.22
(2,1477)	1:206:A:LEU:HD23	1:206:A:LEU:H	13	0.22
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	20	0.22
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	4	0.22
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	6	0.22
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	8	0.22
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	4	0.22
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	5	0.22
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	14	0.22
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	17	0.22
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	18	0.22
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	19	0.22
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	10	0.22
(2,1379)	1:225:A:VAL:HG13	1:225:A:VAL:H	1	0.22
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	1	0.22
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	10	0.22
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG22	11	0.22
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG23	14	0.22
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	12	0.22
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	3	0.22
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	14	0.22
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	16	0.22
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	18	0.22
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	3	0.22
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	4	0.22
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	15	0.22
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	20	0.22
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	14	0.22
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	17	0.22
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	19	0.22
(2,1326)	1:215:A:VAL:HG22	1:216:A:GLN:H	20	0.22
(2,1314)	1:215:A:VAL:HG12	1:214:A:ARG:H	19	0.22
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	3	0.22
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	2	0.22
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	11	0.22
(2,1209)	1:199:A:ASN:HB2	1:200:A:ALA:H	15	0.22
(2,1200)	1:194:A:VAL:HG23	1:196:A:ALA:H	3	0.22
(2,1200)	1:194:A:VAL:HG23	1:196:A:ALA:H	9	0.22
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	5	0.22
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	13	0.22
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	10	0.22
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	15	0.22
(2,1153)	1:205:A:VAL:HG12	1:190:A:GLN:H	7	0.22
(2,1153)	1:205:A:VAL:HG11	1:190:A:GLN:H	16	0.22
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG22	2	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	2	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	10	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	12	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	13	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	14	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	15	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	17	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	18	0.22
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	19	0.22
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	3	0.22
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	6	0.22
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	8	0.22
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	14	0.22
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	16	0.22
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	4	0.22
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	9	0.22
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	10	0.22
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	12	0.22
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	15	0.22
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	19	0.22
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	1	0.22
(2,1065)	1:209:A:THR:H	1:212:A:GLY:H	20	0.22
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	19	0.22
(2,1019)	1:231:A:VAL:HG21	1:193:A:LYS:HB3	3	0.22
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	1	0.22
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	7	0.22
(2,1004)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	17	0.22
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD12	16	0.22
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	12	0.22
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	18	0.22
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD22	3	0.22
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD22	5	0.22
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD21	10	0.22
(2,953)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	19	0.22
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	10	0.22
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	3	0.22
(2,924)	1:183:A:ILE:HG23	1:184:A:SER:HA	18	0.22
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	19	0.22
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	18	0.22
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG23	20	0.22
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	2	0.22
(2,773)	1:229:A:HIS:HD2	1:229:A:HIS:H	18	0.22
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	7	0.22
(2,713)	1:224:A:ILE:HD13	1:213:A:VAL:HG23	16	0.22
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG22	20	0.22
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD13	4	0.22
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	19	0.22
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG21	9	0.22
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	12	0.22
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	13	0.22
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	17	0.22
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	18	0.22
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	10	0.22
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	4	0.22
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	8	0.22
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	10	0.22
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	11	0.22
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	16	0.22
(2,606)	1:203:A:ALA:HB2	1:192:A:LEU:HD12	17	0.22
(2,593)	1:203:A:ALA:HB3	1:217:A:LEU:HD11	4	0.22
(2,593)	1:203:A:ALA:HB1	1:217:A:LEU:HD13	17	0.22
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	4	0.22
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	13	0.22
(2,564)	1:200:A:ALA:HB2	1:195:A:LYS:HA	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	13	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	2	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	3	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	5	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	7	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	11	0.22
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	12	0.22
(2,535)	1:201:A:MET:H	1:200:A:ALA:HB1	19	0.22
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	1	0.22
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG21	12	0.22
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	3	0.22
(2,475)	1:218:A:ASN:HD22	1:218:A:ASN:HB3	18	0.22
(2,464)	1:192:A:LEU:HD13	1:190:A:GLN:HE22	11	0.22
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	4	0.22
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	11	0.22
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	8	0.22
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	13	0.22
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	11	0.22
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	14	0.22
(2,242)	1:209:A:THR:HG22	1:212:A:GLY:H	9	0.22
(2,183)	1:215:A:VAL:HG21	1:204:A:THR:H	1	0.22
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	1	0.22
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	4	0.22
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	12	0.22
(2,126)	1:192:A:LEU:H	1:192:A:LEU:HB2	1	0.22
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	3	0.22
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	8	0.22
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	10	0.22
(2,76)	1:183:A:ILE:HG13	1:184:A:SER:H	2	0.22
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	8	0.22
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG13	13	0.22
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	18	0.22
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	11	0.22
(1,36)	1:201:A:MET:HG3	1:194:A:VAL:H	4	0.22
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	17	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	3	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	4	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	5	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	6	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	7	0.22
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	8	0.22
(1,10)	1:215:A:VAL:HG13	1:205:A:VAL:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1574)	1:199:A:ASN:HD22	1:199:A:ASN:HA	19	0.21
(2,1566)	1:192:A:LEU:HD12	1:190:A:GLN:HE21	20	0.21
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	4	0.21
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	18	0.21
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	7	0.21
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	16	0.21
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	18	0.21
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	12	0.21
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	12	0.21
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	10	0.21
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	11	0.21
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	17	0.21
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	3	0.21
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	16	0.21
(2,1392)	1:226:A:ARG:HB2	1:226:A:ARG:H	4	0.21
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	8	0.21
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	16	0.21
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	3	0.21
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	7	0.21
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	14	0.21
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	18	0.21
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	4	0.21
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	12	0.21
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	13	0.21
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	4	0.21
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	6	0.21
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	7	0.21
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	15	0.21
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	1	0.21
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	7	0.21
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	12	0.21
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	14	0.21
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	16	0.21
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	18	0.21
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	10	0.21
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	1	0.21
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	6	0.21
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	10	0.21
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	17	0.21
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	5	0.21
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	17	0.21
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	9	0.21
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB2	20	0.21
(2,1200)	1:194:A:VAL:HG23	1:196:A:ALA:H	16	0.21
(2,1200)	1:194:A:VAL:HG21	1:196:A:ALA:H	20	0.21
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	14	0.21
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	8	0.21
(2,1192)	1:195:A:LYS:HA	1:196:A:ALA:H	8	0.21
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	3	0.21
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	6	0.21
(2,1181)	1:193:A:LYS:HB3	1:194:A:VAL:H	1	0.21
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	5	0.21
(2,1167)	1:203:A:ALA:HB1	1:192:A:LEU:H	13	0.21
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	6	0.21
(2,1153)	1:205:A:VAL:HG13	1:190:A:GLN:H	1	0.21
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	13	0.21
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	17	0.21
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	6	0.21
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	20	0.21
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG11	1	0.21
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG13	7	0.21
(2,1094)	1:231:A:VAL:H	1:231:A:VAL:HG13	9	0.21
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	4	0.21
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	17	0.21
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	18	0.21
(2,1086)	1:232:A:PHE:H	1:231:A:VAL:HA	9	0.21
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	14	0.21
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	3	0.21
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	5	0.21
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	6	0.21
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	8	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	1	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	11	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	12	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	13	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	15	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	16	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	17	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	18	0.21
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	19	0.21
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD12	15	0.21
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	4	0.21
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,961)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	11	0.21
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	17	0.21
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	2	0.21
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD23	7	0.21
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD23	9	0.21
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD22	14	0.21
(2,949)	1:205:A:VAL:HG12	1:188:A:VAL:HG23	13	0.21
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	16	0.21
(2,932)	1:210:A:LYS:HA	1:210:A:LYS:HB3	1	0.21
(2,932)	1:210:A:LYS:HA	1:210:A:LYS:HB3	13	0.21
(2,920)	1:181:A:SER:HB2	1:181:A:SER:H	5	0.21
(2,874)	1:206:A:LEU:HD22	1:222:A:SER:HB3	7	0.21
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	7	0.21
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	8	0.21
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	11	0.21
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG22	3	0.21
(2,792)	1:199:A:ASN:HB2	1:199:A:ASN:HA	20	0.21
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	11	0.21
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG21	1	0.21
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG21	15	0.21
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD13	3	0.21
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	8	0.21
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	10	0.21
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	15	0.21
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	16	0.21
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	19	0.21
(2,692)	1:196:A:ALA:HB2	1:194:A:VAL:HG21	12	0.21
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG23	1	0.21
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	2	0.21
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG21	3	0.21
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG21	5	0.21
(2,672)	1:186:A:LEU:HD13	1:208:A:ILE:HG22	6	0.21
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	1	0.21
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD12	3	0.21
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	4	0.21
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	8	0.21
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	11	0.21
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG22	2	0.21
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	9	0.21
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	12	0.21
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	14	0.21
(2,635)	1:184:A:SER:HB3	1:184:A:SER:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,635)	1:184:A:SER:HB3	1:184:A:SER:H	16	0.21
(2,635)	1:184:A:SER:HB3	1:184:A:SER:H	17	0.21
(2,614)	1:221:A:MET:H	1:221:A:MET:HB2	13	0.21
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	20	0.21
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	12	0.21
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	4	0.21
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	6	0.21
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	10	0.21
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	15	0.21
(2,442)	1:201:A:MET:HG2	1:220:A:GLY:H	11	0.21
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	5	0.21
(2,391)	1:218:A:ASN:HB3	1:203:A:ALA:H	11	0.21
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	3	0.21
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	15	0.21
(2,141)	1:195:A:LYS:H	1:194:A:VAL:HA	9	0.21
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	1	0.21
(2,127)	1:203:A:ALA:HB2	1:192:A:LEU:H	17	0.21
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	9	0.21
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	14	0.21
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	16	0.21
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	11	0.21
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	1	0.21
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	11	0.21
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG23	14	0.21
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	3	0.21
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	19	0.21
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	3	0.2
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	18	0.2
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	13	0.2
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	12	0.2
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	9	0.2
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	16	0.2
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	20	0.2
(2,1392)	1:226:A:ARG:HB2	1:226:A:ARG:H	12	0.2
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	19	0.2
(2,1374)	1:223:A:LEU:H	1:222:A:SER:HB3	4	0.2
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	1	0.2
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	4	0.2
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	7	0.2
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	14	0.2
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	15	0.2
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	5	0.2
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	11	0.2
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	4	0.2
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	8	0.2
(2,1326)	1:215:A:VAL:HG22	1:216:A:GLN:H	9	0.2
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	1	0.2
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	19	0.2
(2,1314)	1:215:A:VAL:HG11	1:214:A:ARG:H	11	0.2
(2,1266)	1:205:A:VAL:HG11	1:207:A:GLU:H	6	0.2
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	1	0.2
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	4	0.2
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	5	0.2
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	13	0.2
(2,1253)	1:188:A:VAL:HG13	1:206:A:LEU:H	15	0.2
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	18	0.2
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	20	0.2
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	8	0.2
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	18	0.2
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	19	0.2
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	11	0.2
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB3	15	0.2
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	8	0.2
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	15	0.2
(2,1192)	1:195:A:LYS:HA	1:196:A:ALA:H	5	0.2
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	12	0.2
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG23	3	0.2
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	9	0.2
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	14	0.2
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	16	0.2
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	1	0.2
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	5	0.2
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	9	0.2
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	11	0.2
(2,1106)	1:182:A:ASP:HB2	1:184:A:SER:H	4	0.2
(2,1106)	1:182:A:ASP:HB2	1:184:A:SER:H	8	0.2
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	1	0.2
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	4	0.2
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	10	0.2
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	20	0.2
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	10	0.2
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	20	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	4	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	5	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	6	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	7	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	8	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	10	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	14	0.2
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	20	0.2
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	5	0.2
(2,1050)	1:201:A:MET:H	1:200:A:ALA:H	8	0.2
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	2	0.2
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	3	0.2
(2,961)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	10	0.2
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD22	1	0.2
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD22	2	0.2
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD21	4	0.2
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD21	11	0.2
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD21	15	0.2
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	6	0.2
(2,944)	1:215:A:VAL:HG13	1:203:A:ALA:HB3	2	0.2
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG22	6	0.2
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG21	12	0.2
(2,932)	1:210:A:LYS:HA	1:210:A:LYS:HB3	8	0.2
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	5	0.2
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG13	20	0.2
(2,885)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	7	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	1	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	3	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	4	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	5	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	6	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	8	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	9	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	11	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	12	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	17	0.2
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	19	0.2
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG21	7	0.2
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	11	0.2
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	3	0.2
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	5	0.2
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG22	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	16	0.2
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	20	0.2
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	12	0.2
(2,751)	1:195:A:LYS:HA	1:196:A:ALA:H	8	0.2
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	20	0.2
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	4	0.2
(2,713)	1:224:A:ILE:HD12	1:213:A:VAL:HG23	7	0.2
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG21	14	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	1	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD13	2	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	5	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	7	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	9	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD11	11	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	17	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD13	18	0.2
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	20	0.2
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG23	8	0.2
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG21	10	0.2
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	5	0.2
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD13	12	0.2
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG21	11	0.2
(2,662)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	20	0.2
(2,635)	1:184:A:SER:HB3	1:184:A:SER:H	14	0.2
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	13	0.2
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	18	0.2
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	4	0.2
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	8	0.2
(2,584)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	15	0.2
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	14	0.2
(2,564)	1:200:A:ALA:HB3	1:195:A:LYS:HA	6	0.2
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	19	0.2
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB3	20	0.2
(2,479)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	10	0.2
(2,444)	1:224:A:ILE:HG23	1:230:A:LEU:H	1	0.2
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	19	0.2
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB2	2	0.2
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB2	4	0.2
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	2	0.2
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	8	0.2
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	12	0.2
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB1	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,162)	1:199:A:ASN:HB2	1:200:A:ALA:H	20	0.2
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	1	0.2
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	8	0.2
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	4	0.2
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	5	0.2
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	19	0.2
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	4	0.2
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	15	0.2
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	5	0.2
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	18	0.2
(1,28)	1:231:A:VAL:HG22	1:193:A:LYS:H	8	0.2
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG22	10	0.2
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	4	0.2
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	15	0.2
(1,6)	1:201:A:MET:HG3	1:194:A:VAL:H	4	0.2
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	2	0.19
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	14	0.19
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	1	0.19
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	3	0.19
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	16	0.19
(2,1483)	1:218:A:ASN:H	1:204:A:THR:H	2	0.19
(2,1444)	1:193:A:LYS:HB2	1:232:A:PHE:H	9	0.19
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	12	0.19
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	12	0.19
(2,1392)	1:226:A:ARG:HB2	1:226:A:ARG:H	19	0.19
(2,1390)	1:226:A:ARG:H	1:226:A:ARG:HB3	10	0.19
(2,1385)	1:213:A:VAL:HA	1:225:A:VAL:H	13	0.19
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	19	0.19
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	12	0.19
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	3	0.19
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	16	0.19
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	17	0.19
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	20	0.19
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	14	0.19
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	17	0.19
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	20	0.19
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	8	0.19
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	9	0.19
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	13	0.19
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	19	0.19
(2,1326)	1:215:A:VAL:HG23	1:216:A:GLN:H	6	0.19
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	12	0.19
(2,1314)	1:215:A:VAL:HG11	1:214:A:ARG:H	8	0.19
(2,1314)	1:215:A:VAL:HG12	1:214:A:ARG:H	9	0.19
(2,1314)	1:215:A:VAL:HG11	1:214:A:ARG:H	14	0.19
(2,1314)	1:215:A:VAL:HG11	1:214:A:ARG:H	17	0.19
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	4	0.19
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	8	0.19
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	7	0.19
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	14	0.19
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	14	0.19
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	15	0.19
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	7	0.19
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	12	0.19
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	2	0.19
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	4	0.19
(2,1232)	1:203:A:ALA:HB1	1:204:A:THR:H	9	0.19
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	12	0.19
(2,1200)	1:194:A:VAL:HG21	1:196:A:ALA:H	2	0.19
(2,1183)	1:203:A:ALA:HB3	1:194:A:VAL:H	9	0.19
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG22	11	0.19
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG21	12	0.19
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG22	15	0.19
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	4	0.19
(2,1088)	1:232:A:PHE:H	1:232:A:PHE:HB2	12	0.19
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	19	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	2	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	5	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	7	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	11	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	14	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	16	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	17	0.19
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	18	0.19
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	2	0.19
(2,1071)	1:189:A:GLY:H	1:188:A:VAL:H	9	0.19
(2,1063)	1:191:A:ALA:H	1:190:A:GLN:HE22	12	0.19
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	6	0.19
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	14	0.19
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD13	19	0.19
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	6	0.19
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	14	0.19
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD23	6	0.19
(2,957)	1:186:A:LEU:HD12	1:186:A:LEU:HD22	16	0.19
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD23	18	0.19
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD21	20	0.19
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	13	0.19
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD22	16	0.19
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	13	0.19
(2,906)	1:190:A:GLN:HG3	1:190:A:GLN:HA	8	0.19
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	1	0.19
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	12	0.19
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	8	0.19
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	12	0.19
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	13	0.19
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	15	0.19
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	19	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	2	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	7	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	10	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	13	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	16	0.19
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	20	0.19
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG21	10	0.19
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG23	14	0.19
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	14	0.19
(2,776)	1:232:A:PHE:HE1	1:230:A:LEU:H	20	0.19
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	11	0.19
(2,751)	1:195:A:LYS:HA	1:196:A:ALA:H	5	0.19
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	4	0.19
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	8	0.19
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	9	0.19
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	15	0.19
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD13	6	0.19
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	13	0.19
(2,706)	1:208:A:ILE:HB	1:208:A:ILE:HD12	14	0.19
(2,673)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	9	0.19
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	4	0.19
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG22	14	0.19
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	7	0.19
(2,671)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	11	0.19
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	9	0.19
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD11	13	0.19
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD11	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,666)	1:213:A:VAL:HG12	1:208:A:ILE:HD13	15	0.19
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD11	17	0.19
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD12	18	0.19
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	9	0.19
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	8	0.19
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	5	0.19
(2,584)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	12	0.19
(2,572)	1:206:A:LEU:HD23	1:222:A:SER:HB3	8	0.19
(2,568)	1:226:A:ARG:HA	1:226:A:ARG:HG3	19	0.19
(2,564)	1:200:A:ALA:HB1	1:195:A:LYS:HA	20	0.19
(2,540)	1:185:A:ALA:HA	1:185:A:ALA:HB1	8	0.19
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	10	0.19
(2,457)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	8	0.19
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	2	0.19
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	5	0.19
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	6	0.19
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	9	0.19
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	19	0.19
(2,437)	1:180:A:VAL:HG13	1:182:A:ASP:H	14	0.19
(2,394)	1:202:A:ASP:H	1:218:A:ASN:HB3	4	0.19
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	7	0.19
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	10	0.19
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	15	0.19
(2,392)	1:191:A:ALA:HB1	1:203:A:ALA:H	18	0.19
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	2	0.19
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	3	0.19
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	4	0.19
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	12	0.19
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	17	0.19
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	19	0.19
(2,361)	1:217:A:LEU:HD22	1:221:A:MET:H	18	0.19
(2,326)	1:226:A:ARG:HB2	1:228:A:GLU:H	6	0.19
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	8	0.19
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	13	0.19
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	1	0.19
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	7	0.19
(2,266)	1:215:A:VAL:HG22	1:216:A:GLN:H	14	0.19
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	3	0.19
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	15	0.19
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	14	0.19
(2,183)	1:215:A:VAL:HG21	1:204:A:THR:H	10	0.19
(2,183)	1:215:A:VAL:HG22	1:204:A:THR:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,183)	1:215:A:VAL:HG21	1:204:A:THR:H	17	0.19
(2,127)	1:203:A:ALA:HB2	1:192:A:LEU:H	7	0.19
(2,126)	1:192:A:LEU:H	1:192:A:LEU:HB2	9	0.19
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	2	0.19
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	12	0.19
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	2	0.19
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	19	0.19
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	20	0.19
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	2	0.19
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG13	11	0.19
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	2	0.19
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	5	0.19
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	18	0.19
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	14	0.19
(2,1557)	1:190:A:GLN:HB3	1:190:A:GLN:HE21	8	0.18
(2,1540)	1:224:A:ILE:HD11	1:213:A:VAL:H	12	0.18
(2,1495)	1:195:A:LYS:H	1:200:A:ALA:HB2	16	0.18
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	17	0.18
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	19	0.18
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	5	0.18
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	4	0.18
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	12	0.18
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	12	0.18
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	1	0.18
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	17	0.18
(2,1365)	1:216:A:GLN:HA	1:222:A:SER:H	7	0.18
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	6	0.18
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	3	0.18
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	9	0.18
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	10	0.18
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	7	0.18
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	6	0.18
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	12	0.18
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	5	0.18
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	11	0.18
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	13	0.18
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	10	0.18
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	14	0.18
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	18	0.18
(2,1314)	1:215:A:VAL:HG12	1:214:A:ARG:H	5	0.18
(2,1314)	1:215:A:VAL:HG13	1:214:A:ARG:H	7	0.18
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	5	0.18
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	9	0.18
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	16	0.18
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	17	0.18
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	20	0.18
(2,1266)	1:205:A:VAL:HG11	1:207:A:GLU:H	14	0.18
(2,1264)	1:188:A:VAL:HG11	1:207:A:GLU:H	7	0.18
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	3	0.18
(2,1253)	1:188:A:VAL:HG12	1:206:A:LEU:H	9	0.18
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	16	0.18
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	9	0.18
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	5	0.18
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	3	0.18
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	13	0.18
(2,1232)	1:203:A:ALA:HB1	1:204:A:THR:H	18	0.18
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	2	0.18
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	16	0.18
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	19	0.18
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	20	0.18
(2,1153)	1:205:A:VAL:HG12	1:190:A:GLN:H	6	0.18
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG22	11	0.18
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG21	16	0.18
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG22	4	0.18
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG22	5	0.18
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG23	19	0.18
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	3	0.18
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	7	0.18
(2,1106)	1:182:A:ASP:HB2	1:184:A:SER:H	15	0.18
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	7	0.18
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	11	0.18
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	16	0.18
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	1	0.18
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	3	0.18
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	6	0.18
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	15	0.18
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	14	0.18
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	18	0.18
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	19	0.18
(2,1010)	1:217:A:LEU:HD22	1:223:A:LEU:HB3	12	0.18
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	1	0.18
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	3	0.18
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	18	0.18
(2,983)	1:196:A:ALA:HB1	1:201:A:MET:HE3	14	0.18
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG11	10	0.18
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD12	11	0.18
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	20	0.18
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD21	17	0.18
(2,949)	1:205:A:VAL:HG13	1:188:A:VAL:HG21	17	0.18
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	10	0.18
(2,924)	1:183:A:ILE:HG21	1:184:A:SER:HA	11	0.18
(2,924)	1:183:A:ILE:HG21	1:184:A:SER:HA	12	0.18
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD13	2	0.18
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	10	0.18
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	1	0.18
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	2	0.18
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	3	0.18
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	4	0.18
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	5	0.18
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	6	0.18
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	7	0.18
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	9	0.18
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	10	0.18
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	11	0.18
(2,877)	1:188:A:VAL:HG12	1:188:A:VAL:HB	16	0.18
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	17	0.18
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	18	0.18
(2,877)	1:188:A:VAL:HG13	1:188:A:VAL:HB	20	0.18
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	9	0.18
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	17	0.18
(2,836)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	5	0.18
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG21	3	0.18
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	4	0.18
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	6	0.18
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	8	0.18
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	12	0.18
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	14	0.18
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	6	0.18
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG21	17	0.18
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	2	0.18
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	4	0.18
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	12	0.18
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	19	0.18
(2,672)	1:186:A:LEU:HD12	1:208:A:ILE:HG21	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:186:A:LEU:HD11	1:208:A:ILE:HG22	11	0.18
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	4	0.18
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	2	0.18
(2,666)	1:213:A:VAL:HG11	1:208:A:ILE:HD12	6	0.18
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD13	16	0.18
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	20	0.18
(2,662)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	3	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	4	0.18
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	9	0.18
(2,662)	1:205:A:VAL:HG11	1:188:A:VAL:HG22	12	0.18
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	14	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	15	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	18	0.18
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG23	19	0.18
(2,656)	1:215:A:VAL:HG11	1:224:A:ILE:HG21	17	0.18
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	1	0.18
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	20	0.18
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD21	1	0.18
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD21	7	0.18
(2,620)	1:217:A:LEU:HD12	1:216:A:GLN:HA	7	0.18
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	1	0.18
(2,584)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	11	0.18
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	17	0.18
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	18	0.18
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	13	0.18
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	15	0.18
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	18	0.18
(2,430)	1:183:A:ILE:H	1:183:A:ILE:HG13	2	0.18
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	5	0.18
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	5	0.18
(2,382)	1:206:A:LEU:HD22	1:206:A:LEU:H	9	0.18
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	16	0.18
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB3	1	0.18
(2,242)	1:209:A:THR:HG22	1:212:A:GLY:H	7	0.18
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	6	0.18
(2,183)	1:215:A:VAL:HG21	1:204:A:THR:H	18	0.18
(2,147)	1:199:A:ASN:HB2	1:196:A:ALA:H	20	0.18
(2,144)	1:195:A:LYS:H	1:195:A:LYS:HB3	11	0.18
(2,127)	1:203:A:ALA:HB2	1:192:A:LEU:H	18	0.18
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	20	0.18
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	9	0.18
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:205:A:VAL:HG12	1:190:A:GLN:H	20	0.18
(2,81)	1:184:A:SER:HB3	1:186:A:LEU:H	12	0.18
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	16	0.18
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	12	0.18
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	15	0.18
(1,39)	1:224:A:ILE:HG13	1:215:A:VAL:H	12	0.18
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	19	0.18
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	13	0.18
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	8	0.17
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	13	0.17
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	15	0.17
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	19	0.17
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	20	0.17
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	7	0.17
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	10	0.17
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	13	0.17
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	17	0.17
(2,1477)	1:206:A:LEU:HD21	1:206:A:LEU:H	6	0.17
(2,1454)	1:217:A:LEU:HD23	1:221:A:MET:H	2	0.17
(2,1454)	1:217:A:LEU:HD22	1:221:A:MET:H	13	0.17
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	12	0.17
(2,1418)	1:228:A:GLU:HA	1:229:A:HIS:H	2	0.17
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	2	0.17
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	8	0.17
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	2	0.17
(2,1395)	1:226:A:ARG:H	1:225:A:VAL:HA	8	0.17
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	7	0.17
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	11	0.17
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	17	0.17
(2,1378)	1:223:A:LEU:H	1:215:A:VAL:HG21	12	0.17
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	18	0.17
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	1	0.17
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	2	0.17
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	9	0.17
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	19	0.17
(2,1326)	1:215:A:VAL:HG21	1:216:A:GLN:H	3	0.17
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	16	0.17
(2,1314)	1:215:A:VAL:HG13	1:214:A:ARG:H	4	0.17
(2,1297)	1:209:A:THR:HG21	1:212:A:GLY:H	17	0.17
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	2	0.17
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	8	0.17
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	19	0.17
(2,1253)	1:188:A:VAL:HG11	1:206:A:LEU:H	7	0.17
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	13	0.17
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	6	0.17
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	14	0.17
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	15	0.17
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	19	0.17
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	20	0.17
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	10	0.17
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	13	0.17
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	15	0.17
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	5	0.17
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	17	0.17
(2,1086)	1:232:A:PHE:H	1:231:A:VAL:HA	20	0.17
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	1	0.17
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	9	0.17
(2,1078)	1:186:A:LEU:H	1:187:A:THR:H	13	0.17
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	14	0.17
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	7	0.17
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	1	0.17
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	2	0.17
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	3	0.17
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	9	0.17
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	15	0.17
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD11	7	0.17
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	9	0.17
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	15	0.17
(2,984)	1:217:A:LEU:HD23	1:221:A:MET:HE3	15	0.17
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG13	11	0.17
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	12	0.17
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	17	0.17
(2,973)	1:186:A:LEU:HD13	1:186:A:LEU:HB3	4	0.17
(2,973)	1:186:A:LEU:HD13	1:186:A:LEU:HB3	12	0.17
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	10	0.17
(2,961)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	1	0.17
(2,961)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	7	0.17
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD21	13	0.17
(2,957)	1:186:A:LEU:HD11	1:186:A:LEU:HD23	19	0.17
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	3	0.17
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB3	5	0.17
(2,943)	1:215:A:VAL:HG12	1:224:A:ILE:HG21	18	0.17
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	15	0.17
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	17	0.17
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	3	0.17
(2,911)	1:217:A:LEU:HD13	1:216:A:GLN:HA	12	0.17
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	20	0.17
(2,877)	1:188:A:VAL:HG11	1:188:A:VAL:HB	14	0.17
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	2	0.17
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	10	0.17
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	19	0.17
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	14	0.17
(2,836)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	16	0.17
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	1	0.17
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	2	0.17
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG21	5	0.17
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG21	9	0.17
(2,804)	1:214:A:ARG:HA	1:215:A:VAL:HG21	19	0.17
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG22	9	0.17
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	20	0.17
(2,777)	1:193:A:LYS:HB2	1:232:A:PHE:H	9	0.17
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	7	0.17
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	4	0.17
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	5	0.17
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	3	0.17
(2,755)	1:203:A:ALA:HB1	1:204:A:THR:H	9	0.17
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	13	0.17
(2,755)	1:203:A:ALA:HB1	1:204:A:THR:H	18	0.17
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	12	0.17
(2,717)	1:217:A:LEU:HD23	1:221:A:MET:HB2	15	0.17
(2,708)	1:188:A:VAL:HG23	1:208:A:ILE:HD12	1	0.17
(2,673)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	15	0.17
(2,671)	1:186:A:LEU:HD11	1:190:A:GLN:HB2	14	0.17
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	17	0.17
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	19	0.17
(2,666)	1:213:A:VAL:HG13	1:208:A:ILE:HD11	19	0.17
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	1	0.17
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB3	16	0.17
(2,643)	1:218:A:ASN:HA	1:218:A:ASN:HB3	7	0.17
(2,637)	1:183:A:ILE:HG23	1:184:A:SER:HA	2	0.17
(2,637)	1:183:A:ILE:HG22	1:184:A:SER:HA	6	0.17
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	12	0.17
(2,633)	1:184:A:SER:HB2	1:184:A:SER:HA	1	0.17
(2,633)	1:184:A:SER:HB2	1:184:A:SER:HA	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,633)	1:184:A:SER:HB2	1:184:A:SER:HA	16	0.17
(2,633)	1:184:A:SER:HB2	1:184:A:SER:HA	17	0.17
(2,632)	1:181:A:SER:HB2	1:181:A:SER:H	20	0.17
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	3	0.17
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	6	0.17
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	9	0.17
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	14	0.17
(2,584)	1:183:A:ILE:HG22	1:183:A:ILE:HG13	20	0.17
(2,535)	1:201:A:MET:H	1:200:A:ALA:HB3	8	0.17
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG21	15	0.17
(2,452)	1:190:A:GLN:HE21	1:186:A:LEU:HA	8	0.17
(2,446)	1:224:A:ILE:HD13	1:213:A:VAL:H	3	0.17
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	4	0.17
(2,440)	1:181:A:SER:HB2	1:181:A:SER:H	16	0.17
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	11	0.17
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	13	0.17
(2,382)	1:206:A:LEU:HD22	1:206:A:LEU:H	1	0.17
(2,382)	1:206:A:LEU:HD22	1:206:A:LEU:H	11	0.17
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	15	0.17
(2,361)	1:217:A:LEU:HD21	1:221:A:MET:H	9	0.17
(2,324)	1:228:A:GLU:H	1:227:A:ALA:HB1	10	0.17
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	12	0.17
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	18	0.17
(2,242)	1:209:A:THR:HG22	1:212:A:GLY:H	20	0.17
(2,202)	1:188:A:VAL:HG11	1:206:A:LEU:H	8	0.17
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	7	0.17
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	15	0.17
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	19	0.17
(2,183)	1:215:A:VAL:HG22	1:204:A:THR:H	20	0.17
(2,157)	1:199:A:ASN:HB2	1:199:A:ASN:H	19	0.17
(2,152)	1:194:A:VAL:HG21	1:196:A:ALA:H	12	0.17
(2,151)	1:196:A:ALA:HB1	1:196:A:ALA:H	19	0.17
(2,143)	1:195:A:LYS:HB2	1:195:A:LYS:H	4	0.17
(2,143)	1:195:A:LYS:HB2	1:195:A:LYS:H	12	0.17
(2,139)	1:203:A:ALA:HB3	1:194:A:VAL:H	12	0.17
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	6	0.17
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	7	0.17
(2,115)	1:205:A:VAL:HG12	1:190:A:GLN:H	12	0.17
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	13	0.17
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	4	0.17
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG12	17	0.17
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG13	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	7	0.17
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	11	0.17
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	16	0.17
(2,1581)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	17	0.16
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	14	0.16
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	8	0.16
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	16	0.16
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG13	12	0.16
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	4	0.16
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	10	0.16
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	14	0.16
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	3	0.16
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	5	0.16
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	20	0.16
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	12	0.16
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB1	10	0.16
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	16	0.16
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	10	0.16
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	13	0.16
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	18	0.16
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	15	0.16
(2,1414)	1:229:A:HIS:HB2	1:229:A:HIS:H	9	0.16
(2,1414)	1:229:A:HIS:HB2	1:229:A:HIS:H	11	0.16
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	1	0.16
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	5	0.16
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	10	0.16
(2,1365)	1:216:A:GLN:HA	1:222:A:SER:H	18	0.16
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	11	0.16
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	4	0.16
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	4	0.16
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	6	0.16
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	11	0.16
(2,1314)	1:215:A:VAL:HG11	1:214:A:ARG:H	2	0.16
(2,1314)	1:215:A:VAL:HG13	1:214:A:ARG:H	13	0.16
(2,1297)	1:209:A:THR:HG22	1:212:A:GLY:H	11	0.16
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	11	0.16
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	3	0.16
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	11	0.16
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	7	0.16
(2,1266)	1:205:A:VAL:HG13	1:207:A:GLU:H	7	0.16
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG12	10	0.16
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	6	0.16
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	1	0.16
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	5	0.16
(2,1232)	1:203:A:ALA:HB1	1:204:A:THR:H	7	0.16
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	12	0.16
(2,1208)	1:196:A:ALA:HB2	1:199:A:ASN:H	15	0.16
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	6	0.16
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	14	0.16
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	13	0.16
(2,1183)	1:203:A:ALA:HB3	1:194:A:VAL:H	7	0.16
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	16	0.16
(2,1177)	1:200:A:ALA:HA	1:194:A:VAL:H	4	0.16
(2,1173)	1:232:A:PHE:HB3	1:193:A:LYS:H	4	0.16
(2,1125)	1:187:A:THR:H	1:205:A:VAL:HG23	20	0.16
(2,1098)	1:182:A:ASP:HB2	1:185:A:ALA:H	10	0.16
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	9	0.16
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	13	0.16
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	4	0.16
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	14	0.16
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	18	0.16
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	19	0.16
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	7	0.16
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	10	0.16
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	15	0.16
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	5	0.16
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	8	0.16
(2,1063)	1:191:A:ALA:H	1:190:A:GLN:HE22	5	0.16
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	16	0.16
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	16	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	4	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	5	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	8	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	10	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	11	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	12	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	17	0.16
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	20	0.16
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	14	0.16
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	19	0.16
(2,980)	1:196:A:ALA:HB2	1:194:A:VAL:HG11	6	0.16
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	2	0.16
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD11	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	13	0.16
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	16	0.16
(2,924)	1:183:A:ILE:HG23	1:184:A:SER:HA	7	0.16
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	4	0.16
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD21	20	0.16
(2,920)	1:181:A:SER:HB2	1:181:A:SER:H	9	0.16
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG13	9	0.16
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	18	0.16
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD22	13	0.16
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	4	0.16
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	18	0.16
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	20	0.16
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	13	0.16
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	17	0.16
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	18	0.16
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	9	0.16
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	6	0.16
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	14	0.16
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	15	0.16
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	19	0.16
(2,741)	1:186:A:LEU:H	1:184:A:SER:HA	10	0.16
(2,713)	1:224:A:ILE:HD11	1:213:A:VAL:HG22	17	0.16
(2,708)	1:188:A:VAL:HG22	1:208:A:ILE:HD13	13	0.16
(2,708)	1:188:A:VAL:HG22	1:208:A:ILE:HD11	18	0.16
(2,692)	1:196:A:ALA:HB3	1:194:A:VAL:HG21	17	0.16
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	13	0.16
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	20	0.16
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG21	10	0.16
(2,662)	1:205:A:VAL:HG12	1:188:A:VAL:HG23	13	0.16
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	10	0.16
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	20	0.16
(2,633)	1:184:A:SER:HB2	1:184:A:SER:HA	11	0.16
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	10	0.16
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	13	0.16
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	13	0.16
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	16	0.16
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	19	0.16
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG23	16	0.16
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	11	0.16
(2,446)	1:224:A:ILE:HD11	1:213:A:VAL:H	14	0.16
(2,446)	1:224:A:ILE:HD13	1:213:A:VAL:H	16	0.16
(2,446)	1:224:A:ILE:HD13	1:213:A:VAL:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,440)	1:181:A:SER:HB2	1:181:A:SER:H	11	0.16
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	1	0.16
(2,392)	1:191:A:ALA:HB1	1:203:A:ALA:H	9	0.16
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	7	0.16
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	10	0.16
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	18	0.16
(2,314)	1:226:A:ARG:H	1:226:A:ARG:HB3	9	0.16
(2,298)	1:221:A:MET:HB2	1:222:A:SER:H	6	0.16
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	6	0.16
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	17	0.16
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	20	0.16
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	15	0.16
(2,266)	1:215:A:VAL:HG22	1:216:A:GLN:H	16	0.16
(2,266)	1:215:A:VAL:HG22	1:216:A:GLN:H	20	0.16
(2,187)	1:216:A:GLN:HG2	1:204:A:THR:H	16	0.16
(2,183)	1:215:A:VAL:HG23	1:204:A:THR:H	8	0.16
(2,183)	1:215:A:VAL:HG22	1:204:A:THR:H	14	0.16
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	4	0.16
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	14	0.16
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD21	17	0.16
(2,115)	1:205:A:VAL:HG12	1:190:A:GLN:H	3	0.16
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	15	0.16
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG23	6	0.16
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	20	0.16
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	10	0.16
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	7	0.16
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD23	13	0.16
(1,16)	1:224:A:ILE:HG13	1:215:A:VAL:H	12	0.16
(1,13)	1:223:A:LEU:H	1:215:A:VAL:HG21	12	0.16
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	6	0.16
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	13	0.15
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	11	0.15
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	12	0.15
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	15	0.15
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	2	0.15
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	14	0.15
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	19	0.15
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB1	20	0.15
(2,1488)	1:191:A:ALA:HB3	1:203:A:ALA:H	4	0.15
(2,1487)	1:218:A:ASN:HB3	1:203:A:ALA:H	14	0.15
(2,1484)	1:205:A:VAL:HG23	1:204:A:THR:H	4	0.15
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	2	0.15
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	12	0.15
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	1	0.15
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	9	0.15
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	3	0.15
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	1	0.15
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	1	0.15
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	2	0.15
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	4	0.15
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	8	0.15
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	18	0.15
(2,1367)	1:223:A:LEU:H	1:222:A:SER:H	15	0.15
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	5	0.15
(2,1348)	1:220:A:GLY:HA3	1:220:A:GLY:H	2	0.15
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	15	0.15
(2,1326)	1:215:A:VAL:HG22	1:216:A:GLN:H	2	0.15
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	2	0.15
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	5	0.15
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	7	0.15
(2,1314)	1:215:A:VAL:HG13	1:214:A:ARG:H	6	0.15
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	2	0.15
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	5	0.15
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	13	0.15
(2,1289)	1:211:A:ASP:HB3	1:211:A:ASP:H	17	0.15
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	13	0.15
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	16	0.15
(2,1273)	1:214:A:ARG:HB3	1:207:A:GLU:H	6	0.15
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	8	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	1	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG12	6	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG12	12	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG13	15	0.15
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	19	0.15
(2,1237)	1:216:A:GLN:HG2	1:204:A:THR:H	1	0.15
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	15	0.15
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	8	0.15
(2,1232)	1:203:A:ALA:HB1	1:204:A:THR:H	17	0.15
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	19	0.15
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	8	0.15
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	1	0.15
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	9	0.15
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG23	6	0.15
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	7	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	1	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	9	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	12	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	16	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	17	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	19	0.15
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	20	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	2	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	3	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	11	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	12	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	15	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	18	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	19	0.15
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	20	0.15
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	17	0.15
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	20	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	1	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	6	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	9	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	17	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	19	0.15
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	20	0.15
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	7	0.15
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	13	0.15
(2,1031)	1:208:A:ILE:H	1:207:A:GLU:H	16	0.15
(2,1008)	1:217:A:LEU:HD22	1:221:A:MET:HB2	10	0.15
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD12	12	0.15
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD12	17	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG13	1	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	4	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	16	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	18	0.15
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG13	19	0.15
(2,970)	1:188:A:VAL:HG21	1:208:A:ILE:HD12	12	0.15
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	18	0.15
(2,949)	1:205:A:VAL:HG11	1:188:A:VAL:HG23	7	0.15
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	2	0.15
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	6	0.15
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	10	0.15
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	19	0.15
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	20	0.15
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG22	15	0.15
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG11	4	0.15
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG12	11	0.15
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	16	0.15
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	8	0.15
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	1	0.15
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	6	0.15
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	11	0.15
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	16	0.15
(2,836)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	6	0.15
(2,836)	1:200:A:ALA:HB2	1:193:A:LYS:HG2	13	0.15
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	16	0.15
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	6	0.15
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	10	0.15
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	12	0.15
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	18	0.15
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	1	0.15
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	5	0.15
(2,755)	1:203:A:ALA:HB1	1:204:A:THR:H	7	0.15
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	10	0.15
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	13	0.15
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	15	0.15
(2,708)	1:188:A:VAL:HG21	1:208:A:ILE:HD13	8	0.15
(2,708)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	17	0.15
(2,673)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	16	0.15
(2,662)	1:205:A:VAL:HG11	1:188:A:VAL:HG21	6	0.15
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG22	16	0.15
(2,637)	1:183:A:ILE:HG23	1:184:A:SER:HA	5	0.15
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	4	0.15
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	15	0.15
(2,620)	1:217:A:LEU:HD12	1:216:A:GLN:HA	6	0.15
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	9	0.15
(2,620)	1:217:A:LEU:HD12	1:216:A:GLN:HA	11	0.15
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	11	0.15
(2,584)	1:183:A:ILE:HG23	1:183:A:ILE:HG13	10	0.15
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG21	4	0.15
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	17	0.15
(2,502)	1:193:A:LYS:HG2	1:193:A:LYS:HA	9	0.15
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG21	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG23	6	0.15
(2,479)	1:218:A:ASN:HD22	1:202:A:ASP:HB3	12	0.15
(2,446)	1:224:A:ILE:HD12	1:213:A:VAL:H	7	0.15
(2,416)	1:185:A:ALA:HB2	1:186:A:LEU:H	7	0.15
(2,392)	1:191:A:ALA:HB3	1:203:A:ALA:H	8	0.15
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	20	0.15
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	5	0.15
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	11	0.15
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	19	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	1	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	3	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	4	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	7	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	12	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	15	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	16	0.15
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	18	0.15
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	17	0.15
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	19	0.15
(2,242)	1:209:A:THR:HG23	1:212:A:GLY:H	1	0.15
(2,202)	1:188:A:VAL:HG11	1:206:A:LEU:H	11	0.15
(2,202)	1:188:A:VAL:HG11	1:206:A:LEU:H	12	0.15
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	19	0.15
(2,168)	1:201:A:MET:H	1:193:A:LYS:HG2	4	0.15
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	16	0.15
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	20	0.15
(2,126)	1:192:A:LEU:H	1:192:A:LEU:HB2	14	0.15
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	10	0.15
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	17	0.15
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	18	0.15
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	1	0.15
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	8	0.15
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	13	0.15
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	15	0.15
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	16	0.15
(2,55)	1:232:A:PHE:H	1:231:A:VAL:HA	9	0.15
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD22	5	0.15
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD23	8	0.15
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	17	0.15
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	20	0.15
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	18	0.15
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD23	13	0.15
(2,1571)	1:199:A:ASN:HB2	1:199:A:ASN:HD22	5	0.14
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	11	0.14
(2,1542)	1:220:A:GLY:HA3	1:217:A:LEU:H	9	0.14
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	7	0.14
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG11	20	0.14
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	1	0.14
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	13	0.14
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	1	0.14
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	1	0.14
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	7	0.14
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	19	0.14
(2,1484)	1:205:A:VAL:HG23	1:204:A:THR:H	2	0.14
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	17	0.14
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	5	0.14
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	8	0.14
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	10	0.14
(2,1454)	1:217:A:LEU:HD21	1:221:A:MET:H	12	0.14
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	4	0.14
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	17	0.14
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	4	0.14
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	9	0.14
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	14	0.14
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	15	0.14
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	20	0.14
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	11	0.14
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	17	0.14
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	14	0.14
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	3	0.14
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	9	0.14
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	13	0.14
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	14	0.14
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	15	0.14
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	16	0.14
(2,1358)	1:221:A:MET:H	1:217:A:LEU:HA	18	0.14
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	8	0.14
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	19	0.14
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	6	0.14
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	12	0.14
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	14	0.14
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	10	0.14
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	4	0.14
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	5	0.14
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	11	0.14
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	17	0.14
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	9	0.14
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	20	0.14
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	6	0.14
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	9	0.14
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	14	0.14
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	2	0.14
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	9	0.14
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	11	0.14
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	19	0.14
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG13	14	0.14
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	4	0.14
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	16	0.14
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	17	0.14
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	1	0.14
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	10	0.14
(2,1232)	1:203:A:ALA:HB2	1:204:A:THR:H	16	0.14
(2,1232)	1:203:A:ALA:HB3	1:204:A:THR:H	20	0.14
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	19	0.14
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	5	0.14
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	10	0.14
(2,1199)	1:196:A:ALA:HB1	1:196:A:ALA:H	7	0.14
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	15	0.14
(2,1183)	1:203:A:ALA:HB1	1:194:A:VAL:H	10	0.14
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	11	0.14
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	13	0.14
(2,1177)	1:200:A:ALA:HA	1:194:A:VAL:H	11	0.14
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	19	0.14
(2,1120)	1:187:A:THR:H	1:186:A:LEU:HA	8	0.14
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	4	0.14
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	6	0.14
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	13	0.14
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	18	0.14
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	1	0.14
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	4	0.14
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	6	0.14
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	7	0.14
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	9	0.14
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	14	0.14
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	9	0.14
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	2	0.14
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	1	0.14
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	12	0.14
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	14	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	2	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	3	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	4	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	5	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	7	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	8	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	11	0.14
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	13	0.14
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	3	0.14
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD13	5	0.14
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD12	16	0.14
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	7	0.14
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	13	0.14
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD11	3	0.14
(2,970)	1:188:A:VAL:HG23	1:208:A:ILE:HD13	9	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	3	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	5	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	11	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	15	0.14
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	18	0.14
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG22	3	0.14
(2,943)	1:215:A:VAL:HG13	1:224:A:ILE:HG21	10	0.14
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	9	0.14
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	1	0.14
(2,915)	1:228:A:GLU:HA	1:228:A:GLU:HB3	7	0.14
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD11	6	0.14
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG13	2	0.14
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG13	5	0.14
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	6	0.14
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG13	15	0.14
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD22	5	0.14
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD22	7	0.14
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	13	0.14
(2,862)	1:200:A:ALA:HB3	1:195:A:LYS:HA	19	0.14
(2,836)	1:200:A:ALA:HB2	1:193:A:LYS:HG2	2	0.14
(2,836)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:200:A:ALA:HB3	1:193:A:LYS:HG2	15	0.14
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG23	15	0.14
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	19	0.14
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG21	15	0.14
(2,789)	1:232:A:PHE:HE2	1:190:A:GLN:HE22	8	0.14
(2,784)	1:185:A:ALA:H	1:232:A:PHE:HD2	3	0.14
(2,784)	1:185:A:ALA:H	1:232:A:PHE:HD2	20	0.14
(2,783)	1:186:A:LEU:H	1:232:A:PHE:HD2	12	0.14
(2,783)	1:186:A:LEU:H	1:232:A:PHE:HD2	20	0.14
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	17	0.14
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	2	0.14
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	16	0.14
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	17	0.14
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG12	6	0.14
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG12	10	0.14
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG12	12	0.14
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG13	15	0.14
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	20	0.14
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	8	0.14
(2,755)	1:203:A:ALA:HB1	1:204:A:THR:H	17	0.14
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	6	0.14
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	14	0.14
(2,673)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	12	0.14
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	18	0.14
(2,671)	1:186:A:LEU:HD13	1:190:A:GLN:HB2	16	0.14
(2,646)	1:210:A:LYS:HA	1:210:A:LYS:HB3	1	0.14
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	8	0.14
(2,636)	1:184:A:SER:HB2	1:184:A:SER:H	19	0.14
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD22	10	0.14
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	2	0.14
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	15	0.14
(2,599)	1:231:A:VAL:HG23	1:231:A:VAL:HG13	20	0.14
(2,572)	1:206:A:LEU:HD22	1:222:A:SER:HB3	7	0.14
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG23	2	0.14
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG23	9	0.14
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG21	13	0.14
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	8	0.14
(2,382)	1:206:A:LEU:HD23	1:206:A:LEU:H	13	0.14
(2,382)	1:206:A:LEU:HD21	1:206:A:LEU:H	20	0.14
(2,315)	1:226:A:ARG:HB2	1:226:A:ARG:H	13	0.14
(2,299)	1:221:A:MET:HG2	1:222:A:SER:H	6	0.14
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	10	0.14
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	11	0.14
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	14	0.14
(2,266)	1:215:A:VAL:HG22	1:216:A:GLN:H	9	0.14
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	10	0.14
(2,187)	1:216:A:GLN:HG2	1:204:A:THR:H	13	0.14
(2,187)	1:216:A:GLN:HG2	1:204:A:THR:H	20	0.14
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	10	0.14
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB2	20	0.14
(2,152)	1:194:A:VAL:HG21	1:196:A:ALA:H	4	0.14
(2,140)	1:200:A:ALA:HA	1:195:A:LYS:H	10	0.14
(2,139)	1:203:A:ALA:HB2	1:194:A:VAL:H	1	0.14
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	9	0.14
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	2	0.14
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	3	0.14
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	8	0.14
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD22	18	0.14
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	14	0.14
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	7	0.14
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	10	0.14
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG11	1	0.14
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG13	7	0.14
(2,61)	1:231:A:VAL:H	1:231:A:VAL:HG13	9	0.14
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	3	0.14
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	6	0.14
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	14	0.14
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	17	0.14
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	18	0.14
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	4	0.14
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	12	0.14
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD21	15	0.14
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	13	0.14
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	18	0.14
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	7	0.14
(1,13)	1:223:A:LEU:H	1:217:A:LEU:HD13	9	0.14
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	4	0.14
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD23	8	0.14
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	11	0.13
(2,1545)	1:208:A:ILE:H	1:207:A:GLU:HB3	8	0.13
(2,1543)	1:232:A:PHE:H	1:230:A:LEU:HB3	3	0.13
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	5	0.13
(2,1535)	1:201:A:MET:HG2	1:220:A:GLY:H	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1534)	1:181:A:SER:H	1:180:A:VAL:HG11	2	0.13
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	9	0.13
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	20	0.13
(2,1510)	1:190:A:GLN:HG2	1:187:A:THR:H	14	0.13
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	4	0.13
(2,1490)	1:202:A:ASP:H	1:218:A:ASN:HB3	1	0.13
(2,1484)	1:205:A:VAL:HG23	1:204:A:THR:H	5	0.13
(2,1483)	1:218:A:ASN:H	1:204:A:THR:H	10	0.13
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	17	0.13
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	19	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	2	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	5	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	6	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	8	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	11	0.13
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	19	0.13
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	7	0.13
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	14	0.13
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	15	0.13
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	16	0.13
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	14	0.13
(2,1446)	1:211:A:ASP:HA	1:227:A:ALA:H	20	0.13
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	1	0.13
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	2	0.13
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	5	0.13
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	11	0.13
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	12	0.13
(2,1414)	1:229:A:HIS:HB2	1:229:A:HIS:H	6	0.13
(2,1408)	1:228:A:GLU:H	1:228:A:GLU:HB3	7	0.13
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	6	0.13
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	6	0.13
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	19	0.13
(2,1384)	1:213:A:VAL:HB	1:225:A:VAL:H	20	0.13
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	8	0.13
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	13	0.13
(2,1364)	1:221:A:MET:HG2	1:222:A:SER:H	6	0.13
(2,1354)	1:217:A:LEU:HA	1:220:A:GLY:H	13	0.13
(2,1345)	1:221:A:MET:HA	1:217:A:LEU:H	8	0.13
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	9	0.13
(2,1323)	1:224:A:ILE:HA	1:215:A:VAL:H	3	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	7	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	10	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	14	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	15	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	16	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	18	0.13
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	19	0.13
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	4	0.13
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	6	0.13
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	13	0.13
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	17	0.13
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	16	0.13
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	2	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	2	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	3	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	9	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	10	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	11	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	13	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	18	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	19	0.13
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	20	0.13
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	15	0.13
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	20	0.13
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	7	0.13
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	10	0.13
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	14	0.13
(2,1190)	1:195:A:LYS:H	1:195:A:LYS:HB3	1	0.13
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	1	0.13
(2,1189)	1:195:A:LYS:HB2	1:195:A:LYS:H	9	0.13
(2,1173)	1:232:A:PHE:HB3	1:193:A:LYS:H	12	0.13
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	13	0.13
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	20	0.13
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	8	0.13
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	12	0.13
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	2	0.13
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	3	0.13
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	10	0.13
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	16	0.13
(2,1070)	1:187:A:THR:H	1:188:A:VAL:H	17	0.13
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	16	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	3	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	6	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	11	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	12	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	15	0.13
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	18	0.13
(2,1051)	1:201:A:MET:H	1:196:A:ALA:H	7	0.13
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	3	0.13
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	4	0.13
(2,1042)	1:221:A:MET:H	1:222:A:SER:H	17	0.13
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	10	0.13
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	12	0.13
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	14	0.13
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	15	0.13
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	16	0.13
(2,1032)	1:213:A:VAL:H	1:214:A:ARG:H	18	0.13
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	20	0.13
(2,1019)	1:231:A:VAL:HG22	1:193:A:LYS:HB3	17	0.13
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	6	0.13
(2,957)	1:186:A:LEU:HD13	1:186:A:LEU:HD23	8	0.13
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	14	0.13
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG22	14	0.13
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	1	0.13
(2,924)	1:183:A:ILE:HG22	1:184:A:SER:HA	17	0.13
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	2	0.13
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	4	0.13
(2,911)	1:217:A:LEU:HD11	1:216:A:GLN:HA	15	0.13
(2,911)	1:217:A:LEU:HD13	1:216:A:GLN:HA	17	0.13
(2,903)	1:203:A:ALA:HB3	1:192:A:LEU:HD12	3	0.13
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG11	8	0.13
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG12	13	0.13
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	14	0.13
(2,898)	1:231:A:VAL:HG23	1:231:A:VAL:HG11	17	0.13
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD21	1	0.13
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD22	18	0.13
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	3	0.13
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	8	0.13
(2,865)	1:198:A:GLN:HA	1:198:A:GLN:HG3	14	0.13
(2,858)	1:219:A:SER:HB2	1:219:A:SER:HA	15	0.13
(2,854)	1:180:A:VAL:HA	1:182:A:ASP:H	20	0.13
(2,784)	1:185:A:ALA:H	1:232:A:PHE:HD2	5	0.13
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	1	0.13
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	15	0.13
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	14	0.13
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	1	0.13
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG13	14	0.13
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	19	0.13
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	10	0.13
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	16	0.13
(2,755)	1:203:A:ALA:HB2	1:204:A:THR:H	19	0.13
(2,755)	1:203:A:ALA:HB3	1:204:A:THR:H	20	0.13
(2,673)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	4	0.13
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	5	0.13
(2,673)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	11	0.13
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	17	0.13
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	2	0.13
(2,656)	1:215:A:VAL:HG13	1:224:A:ILE:HG22	6	0.13
(2,656)	1:215:A:VAL:HG13	1:224:A:ILE:HG21	12	0.13
(2,646)	1:210:A:LYS:HA	1:210:A:LYS:HB3	8	0.13
(2,646)	1:210:A:LYS:HA	1:210:A:LYS:HB3	13	0.13
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	19	0.13
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	8	0.13
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	19	0.13
(2,599)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	1	0.13
(2,599)	1:231:A:VAL:HG22	1:231:A:VAL:HG11	12	0.13
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	1	0.13
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	4	0.13
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	8	0.13
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	9	0.13
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	10	0.13
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	12	0.13
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	13	0.13
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	15	0.13
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	16	0.13
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	18	0.13
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	19	0.13
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	20	0.13
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	9	0.13
(2,535)	1:201:A:MET:H	1:200:A:ALA:HB1	5	0.13
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG23	20	0.13
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG22	5	0.13
(2,444)	1:224:A:ILE:HG22	1:230:A:LEU:H	10	0.13
(2,416)	1:185:A:ALA:HB2	1:186:A:LEU:H	5	0.13
(2,416)	1:185:A:ALA:HB1	1:186:A:LEU:H	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,392)	1:191:A:ALA:HB2	1:203:A:ALA:H	3	0.13
(2,315)	1:226:A:ARG:HB2	1:226:A:ARG:H	4	0.13
(2,296)	1:221:A:MET:H	1:219:A:SER:HB3	13	0.13
(2,296)	1:221:A:MET:H	1:219:A:SER:HB3	18	0.13
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	9	0.13
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	5	0.13
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	8	0.13
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	4	0.13
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	8	0.13
(2,255)	1:215:A:VAL:HG12	1:214:A:ARG:H	19	0.13
(2,242)	1:209:A:THR:HG21	1:212:A:GLY:H	10	0.13
(2,231)	1:210:A:LYS:HB2	1:211:A:ASP:H	3	0.13
(2,213)	1:205:A:VAL:HG11	1:207:A:GLU:H	6	0.13
(2,202)	1:188:A:VAL:HG12	1:206:A:LEU:H	2	0.13
(2,173)	1:201:A:MET:HB2	1:202:A:ASP:H	9	0.13
(2,169)	1:201:A:MET:H	1:200:A:ALA:HB3	15	0.13
(2,152)	1:194:A:VAL:HG22	1:196:A:ALA:H	1	0.13
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	10	0.13
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	15	0.13
(2,126)	1:192:A:LEU:H	1:192:A:LEU:HB2	6	0.13
(2,115)	1:205:A:VAL:HG12	1:190:A:GLN:H	7	0.13
(2,115)	1:205:A:VAL:HG11	1:190:A:GLN:H	16	0.13
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG22	2	0.13
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG23	18	0.13
(2,66)	1:182:A:ASP:HB2	1:185:A:ALA:H	19	0.13
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	1	0.13
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	4	0.13
(2,32)	1:191:A:ALA:H	1:190:A:GLN:HE22	14	0.13
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	9	0.13
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD22	5	0.13
(2,1578)	1:218:A:ASN:HD22	1:202:A:ASP:HB2	19	0.12
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	14	0.12
(2,1566)	1:192:A:LEU:HD11	1:190:A:GLN:HE21	15	0.12
(2,1514)	1:186:A:LEU:HB2	1:185:A:ALA:H	8	0.12
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	7	0.12
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	11	0.12
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	16	0.12
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	17	0.12
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	3	0.12
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	4	0.12
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	6	0.12
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	18	0.12
(2,1510)	1:190:A:GLN:HG2	1:187:A:THR:H	10	0.12
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB1	13	0.12
(2,1484)	1:205:A:VAL:HG21	1:204:A:THR:H	19	0.12
(2,1483)	1:218:A:ASN:H	1:204:A:THR:H	7	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	6	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	7	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	9	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	14	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	15	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	16	0.12
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	18	0.12
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	3	0.12
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	12	0.12
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	15	0.12
(2,1476)	1:206:A:LEU:H	1:216:A:GLN:HB2	18	0.12
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	3	0.12
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	6	0.12
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	7	0.12
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	16	0.12
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	18	0.12
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	9	0.12
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	20	0.12
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	3	0.12
(2,1405)	1:228:A:GLU:H	1:227:A:ALA:HB2	20	0.12
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	12	0.12
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	15	0.12
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	5	0.12
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	5	0.12
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	15	0.12
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	15	0.12
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	18	0.12
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	12	0.12
(2,1314)	1:215:A:VAL:HG13	1:214:A:ARG:H	3	0.12
(2,1306)	1:212:A:GLY:HA2	1:213:A:VAL:H	4	0.12
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	12	0.12
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	7	0.12
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	5	0.12
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	12	0.12
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	14	0.12
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	15	0.12
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG12	4	0.12
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	18	0.12
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	4	0.12
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	9	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	1	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	5	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	6	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	7	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	12	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	14	0.12
(2,1248)	1:188:A:VAL:HA	1:205:A:VAL:H	15	0.12
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	11	0.12
(2,1233)	1:215:A:VAL:HG22	1:204:A:THR:H	2	0.12
(2,1229)	1:203:A:ALA:HB1	1:203:A:ALA:H	14	0.12
(2,1228)	1:215:A:VAL:HB	1:203:A:ALA:H	11	0.12
(2,1228)	1:215:A:VAL:HB	1:203:A:ALA:H	15	0.12
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	14	0.12
(2,1227)	1:202:A:ASP:HB3	1:203:A:ALA:H	20	0.12
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	3	0.12
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	13	0.12
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	16	0.12
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	4	0.12
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	8	0.12
(2,1215)	1:201:A:MET:H	1:200:A:ALA:HB1	14	0.12
(2,1209)	1:199:A:ASN:HB2	1:200:A:ALA:H	8	0.12
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	2	0.12
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	13	0.12
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	17	0.12
(2,1190)	1:195:A:LYS:H	1:195:A:LYS:HB3	7	0.12
(2,1190)	1:195:A:LYS:H	1:195:A:LYS:HB3	17	0.12
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	2	0.12
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	5	0.12
(2,1173)	1:232:A:PHE:HB3	1:193:A:LYS:H	1	0.12
(2,1167)	1:203:A:ALA:HB3	1:192:A:LEU:H	11	0.12
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG23	2	0.12
(2,1152)	1:190:A:GLN:H	1:205:A:VAL:HG21	14	0.12
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	6	0.12
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	9	0.12
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	18	0.12
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	1	0.12
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	15	0.12
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	4	0.12
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	7	0.12
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	12	0.12
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	1	0.12
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	4	0.12
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	10	0.12
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	13	0.12
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	20	0.12
(2,1051)	1:201:A:MET:H	1:196:A:ALA:H	1	0.12
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	2	0.12
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	10	0.12
(2,1026)	1:195:A:LYS:H	1:196:A:ALA:H	14	0.12
(2,1006)	1:221:A:MET:HG2	1:217:A:LEU:HD12	20	0.12
(2,980)	1:196:A:ALA:HB1	1:194:A:VAL:HG11	16	0.12
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	3	0.12
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	10	0.12
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG13	20	0.12
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	6	0.12
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG21	7	0.12
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG23	17	0.12
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG21	18	0.12
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	6	0.12
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	1	0.12
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	4	0.12
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	7	0.12
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	9	0.12
(2,945)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	17	0.12
(2,924)	1:183:A:ILE:HG23	1:184:A:SER:HA	16	0.12
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	6	0.12
(2,903)	1:203:A:ALA:HB1	1:192:A:LEU:HD12	8	0.12
(2,898)	1:231:A:VAL:HG22	1:231:A:VAL:HG12	7	0.12
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD22	4	0.12
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD21	9	0.12
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD21	11	0.12
(2,854)	1:180:A:VAL:HA	1:182:A:ASP:H	2	0.12
(2,854)	1:180:A:VAL:HA	1:182:A:ASP:H	5	0.12
(2,817)	1:208:A:ILE:HG12	1:208:A:ILE:HG22	20	0.12
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	19	0.12
(2,784)	1:185:A:ALA:H	1:232:A:PHE:HD2	2	0.12
(2,784)	1:185:A:ALA:H	1:232:A:PHE:HD2	14	0.12
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	2	0.12
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	3	0.12
(2,766)	1:229:A:HIS:HA	1:226:A:ARG:H	8	0.12
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	16	0.12
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	2	0.12
(2,673)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	3	0.12
(2,673)	1:186:A:LEU:HD12	1:232:A:PHE:HD2	10	0.12
(2,662)	1:205:A:VAL:HG13	1:188:A:VAL:HG21	17	0.12
(2,657)	1:215:A:VAL:HG13	1:203:A:ALA:HB3	2	0.12
(2,637)	1:183:A:ILE:HG22	1:184:A:SER:HA	3	0.12
(2,637)	1:183:A:ILE:HG23	1:184:A:SER:HA	18	0.12
(2,599)	1:231:A:VAL:HG22	1:231:A:VAL:HG13	10	0.12
(2,575)	1:188:A:VAL:HG13	1:188:A:VAL:HB	2	0.12
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	3	0.12
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	5	0.12
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	6	0.12
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	7	0.12
(2,575)	1:188:A:VAL:HG12	1:188:A:VAL:HB	11	0.12
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	17	0.12
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	10	0.12
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	17	0.12
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG21	8	0.12
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	11	0.12
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG23	2	0.12
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG22	7	0.12
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG21	18	0.12
(2,437)	1:180:A:VAL:HG12	1:182:A:ASP:H	11	0.12
(2,416)	1:185:A:ALA:HB1	1:186:A:LEU:H	1	0.12
(2,416)	1:185:A:ALA:HB3	1:186:A:LEU:H	2	0.12
(2,416)	1:185:A:ALA:HB2	1:186:A:LEU:H	3	0.12
(2,416)	1:185:A:ALA:HB3	1:186:A:LEU:H	11	0.12
(2,416)	1:185:A:ALA:HB1	1:186:A:LEU:H	16	0.12
(2,416)	1:185:A:ALA:HB3	1:186:A:LEU:H	17	0.12
(2,314)	1:226:A:ARG:H	1:226:A:ARG:HB3	10	0.12
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	13	0.12
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	9	0.12
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	13	0.12
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	19	0.12
(2,266)	1:215:A:VAL:HG23	1:216:A:GLN:H	6	0.12
(2,242)	1:209:A:THR:HG23	1:212:A:GLY:H	19	0.12
(2,231)	1:210:A:LYS:HB2	1:211:A:ASP:H	1	0.12
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	6	0.12
(2,202)	1:188:A:VAL:HG12	1:206:A:LEU:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	17	0.12
(2,187)	1:216:A:GLN:HG2	1:204:A:THR:H	3	0.12
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	2	0.12
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	18	0.12
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	19	0.12
(2,162)	1:199:A:ASN:HB2	1:200:A:ALA:H	15	0.12
(2,152)	1:194:A:VAL:HG23	1:196:A:ALA:H	3	0.12
(2,152)	1:194:A:VAL:HG23	1:196:A:ALA:H	9	0.12
(2,140)	1:200:A:ALA:HA	1:195:A:LYS:H	3	0.12
(2,137)	1:193:A:LYS:HB3	1:194:A:VAL:H	1	0.12
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	5	0.12
(2,127)	1:203:A:ALA:HB1	1:192:A:LEU:H	13	0.12
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD23	19	0.12
(2,115)	1:205:A:VAL:HG13	1:190:A:GLN:H	1	0.12
(2,73)	1:182:A:ASP:HB2	1:184:A:SER:H	1	0.12
(2,73)	1:182:A:ASP:HB2	1:184:A:SER:H	20	0.12
(2,57)	1:232:A:PHE:H	1:232:A:PHE:HB2	12	0.12
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	4	0.12
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	9	0.12
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	10	0.12
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	12	0.12
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	15	0.12
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	19	0.12
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD22	2	0.12
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	4	0.12
(1,17)	1:201:A:MET:H	1:202:A:ASP:HA	12	0.12
(1,10)	1:215:A:VAL:HG11	1:205:A:VAL:H	7	0.12
(1,9)	1:202:A:ASP:H	1:201:A:MET:HG2	2	0.12
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD21	15	0.12
(2,1538)	1:224:A:ILE:HG22	1:230:A:LEU:H	20	0.11
(2,1526)	1:183:A:ILE:HG12	1:183:A:ILE:H	13	0.11
(2,1524)	1:183:A:ILE:H	1:182:A:ASP:HB3	5	0.11
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	14	0.11
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	15	0.11
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	17	0.11
(2,1510)	1:190:A:GLN:HG2	1:187:A:THR:H	15	0.11
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	7	0.11
(2,1493)	1:195:A:LYS:HE3	1:196:A:ALA:H	14	0.11
(2,1484)	1:205:A:VAL:HG22	1:204:A:THR:H	13	0.11
(2,1484)	1:205:A:VAL:HG23	1:204:A:THR:H	15	0.11
(2,1483)	1:218:A:ASN:H	1:204:A:THR:H	9	0.11
(2,1483)	1:218:A:ASN:H	1:204:A:THR:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	1	0.11
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	3	0.11
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	11	0.11
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	20	0.11
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	16	0.11
(2,1481)	1:218:A:ASN:HA	1:204:A:THR:H	20	0.11
(2,1476)	1:206:A:LEU:H	1:216:A:GLN:HB2	2	0.11
(2,1476)	1:206:A:LEU:H	1:216:A:GLN:HB2	3	0.11
(2,1476)	1:206:A:LEU:H	1:216:A:GLN:HB2	6	0.11
(2,1456)	1:222:A:SER:H	1:217:A:LEU:H	10	0.11
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	6	0.11
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	1	0.11
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	11	0.11
(2,1446)	1:211:A:ASP:HA	1:227:A:ALA:H	1	0.11
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	8	0.11
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	10	0.11
(2,1439)	1:224:A:ILE:HB	1:224:A:ILE:H	13	0.11
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	6	0.11
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	10	0.11
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	14	0.11
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	18	0.11
(2,1414)	1:229:A:HIS:HB2	1:229:A:HIS:H	19	0.11
(2,1409)	1:229:A:HIS:HB3	1:228:A:GLU:H	16	0.11
(2,1408)	1:228:A:GLU:H	1:228:A:GLU:HB3	1	0.11
(2,1408)	1:228:A:GLU:H	1:228:A:GLU:HB3	13	0.11
(2,1397)	1:226:A:ARG:H	1:229:A:HIS:HD2	10	0.11
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	9	0.11
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	10	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	2	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	4	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	7	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	9	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	10	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	11	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	12	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	16	0.11
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	18	0.11
(2,1365)	1:216:A:GLN:HA	1:222:A:SER:H	16	0.11
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	3	0.11
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	8	0.11
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	14	0.11
(2,1361)	1:221:A:MET:H	1:219:A:SER:HB3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1345)	1:221:A:MET:HA	1:217:A:LEU:H	13	0.11
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	1	0.11
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	2	0.11
(2,1339)	1:222:A:SER:HB3	1:217:A:LEU:H	3	0.11
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	2	0.11
(2,1330)	1:216:A:GLN:HG2	1:216:A:GLN:H	3	0.11
(2,1306)	1:212:A:GLY:HA2	1:213:A:VAL:H	7	0.11
(2,1306)	1:212:A:GLY:HA2	1:213:A:VAL:H	9	0.11
(2,1306)	1:212:A:GLY:HA2	1:213:A:VAL:H	12	0.11
(2,1306)	1:212:A:GLY:HA2	1:213:A:VAL:H	19	0.11
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	1	0.11
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	3	0.11
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	4	0.11
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	17	0.11
(2,1304)	1:209:A:THR:HA	1:212:A:GLY:H	20	0.11
(2,1293)	1:209:A:THR:HB	1:211:A:ASP:H	11	0.11
(2,1291)	1:209:A:THR:HA	1:211:A:ASP:H	4	0.11
(2,1285)	1:210:A:LYS:HB2	1:211:A:ASP:H	18	0.11
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	1	0.11
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	6	0.11
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	7	0.11
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	12	0.11
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	3	0.11
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	10	0.11
(2,1266)	1:205:A:VAL:HG12	1:207:A:GLU:H	1	0.11
(2,1266)	1:205:A:VAL:HG11	1:207:A:GLU:H	10	0.11
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG12	2	0.11
(2,1265)	1:207:A:GLU:H	1:213:A:VAL:HG11	9	0.11
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	17	0.11
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	18	0.11
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	4	0.11
(2,1236)	1:216:A:GLN:HB2	1:204:A:THR:H	5	0.11
(2,1233)	1:215:A:VAL:HG23	1:204:A:THR:H	4	0.11
(2,1233)	1:215:A:VAL:HG22	1:204:A:THR:H	9	0.11
(2,1233)	1:215:A:VAL:HG21	1:204:A:THR:H	11	0.11
(2,1229)	1:203:A:ALA:HB1	1:203:A:ALA:H	15	0.11
(2,1229)	1:203:A:ALA:HB2	1:203:A:ALA:H	18	0.11
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	6	0.11
(2,1221)	1:202:A:ASP:H	1:193:A:LYS:HB3	14	0.11
(2,1219)	1:201:A:MET:HB2	1:202:A:ASP:H	19	0.11
(2,1209)	1:199:A:ASN:HB2	1:200:A:ALA:H	5	0.11
(2,1197)	1:195:A:LYS:HB3	1:196:A:ALA:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	6	0.11
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	19	0.11
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	2	0.11
(2,1182)	1:193:A:LYS:HG2	1:194:A:VAL:H	8	0.11
(2,1180)	1:194:A:VAL:HB	1:194:A:VAL:H	1	0.11
(2,1177)	1:200:A:ALA:HA	1:194:A:VAL:H	9	0.11
(2,1171)	1:192:A:LEU:HA	1:193:A:LYS:H	1	0.11
(2,1103)	1:211:A:ASP:HA	1:185:A:ALA:H	18	0.11
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	2	0.11
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	3	0.11
(2,1084)	1:211:A:ASP:H	1:212:A:GLY:H	8	0.11
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	2	0.11
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	1	0.11
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	9	0.11
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	14	0.11
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	11	0.11
(2,1064)	1:209:A:THR:H	1:208:A:ILE:H	13	0.11
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	2	0.11
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	10	0.11
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	8	0.11
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	9	0.11
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	14	0.11
(2,1058)	1:204:A:THR:H	1:205:A:VAL:H	19	0.11
(2,1051)	1:201:A:MET:H	1:196:A:ALA:H	12	0.11
(2,1047)	1:223:A:LEU:H	1:216:A:GLN:H	7	0.11
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG11	8	0.11
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	9	0.11
(2,979)	1:194:A:VAL:HB	1:194:A:VAL:HG12	15	0.11
(2,973)	1:186:A:LEU:HD11	1:186:A:LEU:HB3	17	0.11
(2,973)	1:186:A:LEU:HD11	1:186:A:LEU:HB3	19	0.11
(2,970)	1:188:A:VAL:HG22	1:208:A:ILE:HD13	5	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	1	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	3	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	10	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG21	13	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	14	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG23	15	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG23	16	0.11
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	20	0.11
(2,959)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	1	0.11
(2,944)	1:215:A:VAL:HG11	1:203:A:ALA:HB2	18	0.11
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,938)	1:221:A:MET:HA	1:221:A:MET:HG2	18	0.11
(2,931)	1:210:A:LYS:HA	1:210:A:LYS:HB2	7	0.11
(2,911)	1:217:A:LEU:HD13	1:216:A:GLN:HA	20	0.11
(2,898)	1:231:A:VAL:HG21	1:231:A:VAL:HG12	19	0.11
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	3	0.11
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	10	0.11
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	15	0.11
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	16	0.11
(2,854)	1:180:A:VAL:HA	1:182:A:ASP:H	1	0.11
(2,854)	1:180:A:VAL:HA	1:182:A:ASP:H	11	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	1	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	3	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	4	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	5	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	6	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	8	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	9	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	10	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	11	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	12	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	14	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	15	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	16	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	17	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	18	0.11
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	20	0.11
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG22	10	0.11
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	11	0.11
(2,783)	1:186:A:LEU:H	1:232:A:PHE:HD2	1	0.11
(2,783)	1:186:A:LEU:H	1:232:A:PHE:HD2	13	0.11
(2,779)	1:211:A:ASP:HA	1:227:A:ALA:H	20	0.11
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	5	0.11
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	8	0.11
(2,770)	1:229:A:HIS:HA	1:228:A:GLU:H	19	0.11
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG12	4	0.11
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	14	0.11
(2,753)	1:202:A:ASP:HB3	1:203:A:ALA:H	20	0.11
(2,752)	1:195:A:LYS:HB3	1:196:A:ALA:H	2	0.11
(2,708)	1:188:A:VAL:HG23	1:208:A:ILE:HD11	6	0.11
(2,708)	1:188:A:VAL:HG22	1:208:A:ILE:HD12	7	0.11
(2,696)	1:217:A:LEU:HD23	1:221:A:MET:HE3	15	0.11
(2,691)	1:194:A:VAL:HB	1:194:A:VAL:HG13	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,691)	1:194:A:VAL:HB	1:194:A:VAL:HG12	12	0.11
(2,691)	1:194:A:VAL:HB	1:194:A:VAL:HG12	17	0.11
(2,688)	1:186:A:LEU:HD13	1:186:A:LEU:HD22	12	0.11
(2,673)	1:186:A:LEU:HD11	1:232:A:PHE:HD2	6	0.11
(2,673)	1:186:A:LEU:HD13	1:232:A:PHE:HD2	14	0.11
(2,658)	1:224:A:ILE:HG13	1:215:A:VAL:HG12	13	0.11
(2,658)	1:224:A:ILE:HG13	1:215:A:VAL:HG13	16	0.11
(2,634)	1:219:A:SER:HB2	1:217:A:LEU:HD22	16	0.11
(2,632)	1:181:A:SER:HB2	1:181:A:SER:H	5	0.11
(2,620)	1:217:A:LEU:HD11	1:216:A:GLN:HA	5	0.11
(2,615)	1:221:A:MET:HB2	1:222:A:SER:H	5	0.11
(2,606)	1:203:A:ALA:HB3	1:192:A:LEU:HD13	2	0.11
(2,575)	1:188:A:VAL:HG11	1:188:A:VAL:HB	14	0.11
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	2	0.11
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	19	0.11
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	20	0.11
(2,537)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	5	0.11
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	3	0.11
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	5	0.11
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG21	7	0.11
(2,505)	1:214:A:ARG:HA	1:215:A:VAL:HG22	18	0.11
(2,467)	1:190:A:GLN:HE22	1:232:A:PHE:HD2	7	0.11
(2,416)	1:185:A:ALA:HB2	1:186:A:LEU:H	6	0.11
(2,416)	1:185:A:ALA:HB1	1:186:A:LEU:H	18	0.11
(2,363)	1:222:A:SER:H	1:217:A:LEU:H	10	0.11
(2,315)	1:226:A:ARG:HB2	1:226:A:ARG:H	12	0.11
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	1	0.11
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	4	0.11
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	7	0.11
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	12	0.11
(2,286)	1:220:A:GLY:HA3	1:220:A:GLY:H	10	0.11
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	5	0.11
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	11	0.11
(2,266)	1:215:A:VAL:HG21	1:216:A:GLN:H	13	0.11
(2,255)	1:215:A:VAL:HG11	1:214:A:ARG:H	8	0.11
(2,255)	1:215:A:VAL:HG11	1:214:A:ARG:H	11	0.11
(2,255)	1:215:A:VAL:HG11	1:214:A:ARG:H	14	0.11
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	4	0.11
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	7	0.11
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	14	0.11
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	20	0.11
(2,213)	1:205:A:VAL:HG11	1:207:A:GLU:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	4	0.11
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	5	0.11
(2,202)	1:188:A:VAL:HG12	1:206:A:LEU:H	13	0.11
(2,202)	1:188:A:VAL:HG13	1:206:A:LEU:H	15	0.11
(2,202)	1:188:A:VAL:HG12	1:206:A:LEU:H	18	0.11
(2,202)	1:188:A:VAL:HG12	1:206:A:LEU:H	20	0.11
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	8	0.11
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	12	0.11
(2,152)	1:194:A:VAL:HG23	1:196:A:ALA:H	16	0.11
(2,152)	1:194:A:VAL:HG21	1:196:A:ALA:H	20	0.11
(2,140)	1:200:A:ALA:HA	1:195:A:LYS:H	6	0.11
(2,127)	1:203:A:ALA:HB3	1:192:A:LEU:H	12	0.11
(2,121)	1:191:A:ALA:H	1:192:A:LEU:HD22	10	0.11
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	9	0.11
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	13	0.11
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	14	0.11
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	16	0.11
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG21	17	0.11
(2,55)	1:232:A:PHE:H	1:231:A:VAL:HA	20	0.11
(2,46)	1:186:A:LEU:H	1:187:A:THR:H	8	0.11
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	11	0.11
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	12	0.11
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	13	0.11
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	17	0.11
(1,32)	1:232:A:PHE:H	1:192:A:LEU:HD21	3	0.11
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	2	0.11
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	5	0.11
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	10	0.11
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	19	0.11
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	15	0.11
(1,9)	1:201:A:MET:HG3	1:202:A:ASP:H	11	0.11
(1,2)	1:232:A:PHE:H	1:192:A:LEU:HD22	2	0.11
(1,1)	1:232:A:PHE:H	1:193:A:LYS:HB3	10	0.11
(2,1569)	1:190:A:GLN:HE22	1:232:A:PHE:HD2	7	0.1
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	6	0.1
(2,1512)	1:185:A:ALA:H	1:232:A:PHE:HD2	18	0.1
(2,1511)	1:186:A:LEU:H	1:232:A:PHE:HD2	8	0.1
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	12	0.1
(2,1507)	1:189:A:GLY:H	1:191:A:ALA:HB2	14	0.1
(2,1482)	1:215:A:VAL:HA	1:204:A:THR:H	4	0.1
(2,1453)	1:217:A:LEU:HG	1:221:A:MET:H	20	0.1
(2,1447)	1:226:A:ARG:HD2	1:227:A:ALA:H	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1429)	1:228:A:GLU:HA	1:230:A:LEU:H	4	0.1
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	5	0.1
(2,1387)	1:212:A:GLY:HA2	1:225:A:VAL:H	19	0.1
(2,1376)	1:223:A:LEU:HB2	1:223:A:LEU:H	19	0.1
(2,1359)	1:221:A:MET:HA	1:221:A:MET:H	6	0.1
(2,1356)	1:221:A:MET:H	1:221:A:MET:HB2	15	0.1
(2,1332)	1:203:A:ALA:HA	1:216:A:GLN:H	17	0.1
(2,1293)	1:209:A:THR:HB	1:211:A:ASP:H	3	0.1
(2,1293)	1:209:A:THR:HB	1:211:A:ASP:H	20	0.1
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	2	0.1
(2,1284)	1:208:A:ILE:HB	1:209:A:THR:H	13	0.1
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	1	0.1
(2,1267)	1:205:A:VAL:HA	1:207:A:GLU:H	20	0.1
(2,1266)	1:205:A:VAL:HG12	1:207:A:GLU:H	16	0.1
(2,1266)	1:205:A:VAL:HG12	1:207:A:GLU:H	17	0.1
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	5	0.1
(2,1262)	1:207:A:GLU:H	1:207:A:GLU:HB3	14	0.1
(2,1229)	1:203:A:ALA:HB1	1:203:A:ALA:H	6	0.1
(2,1228)	1:215:A:VAL:HB	1:203:A:ALA:H	13	0.1
(2,1222)	1:202:A:ASP:H	1:193:A:LYS:HG2	12	0.1
(2,1195)	1:201:A:MET:HG3	1:196:A:ALA:H	4	0.1
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	2	0.1
(2,1194)	1:199:A:ASN:HB2	1:196:A:ALA:H	4	0.1
(2,1193)	1:200:A:ALA:HA	1:196:A:ALA:H	16	0.1
(2,1186)	1:200:A:ALA:HA	1:195:A:LYS:H	5	0.1
(2,1180)	1:194:A:VAL:HB	1:194:A:VAL:H	9	0.1
(2,1171)	1:192:A:LEU:HA	1:193:A:LYS:H	6	0.1
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	4	0.1
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	10	0.1
(2,1166)	1:192:A:LEU:H	1:192:A:LEU:HB2	12	0.1
(2,1160)	1:191:A:ALA:H	1:192:A:LEU:HD23	4	0.1
(2,1083)	1:183:A:ILE:H	1:182:A:ASP:H	12	0.1
(2,1082)	1:187:A:THR:H	1:183:A:ILE:H	8	0.1
(2,1080)	1:193:A:LYS:H	1:194:A:VAL:H	18	0.1
(2,1072)	1:187:A:THR:HB	1:188:A:VAL:H	8	0.1
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	7	0.1
(2,1060)	1:204:A:THR:H	1:203:A:ALA:H	17	0.1
(2,1025)	1:231:A:VAL:H	1:193:A:LYS:H	20	0.1
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG23	2	0.1
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG21	5	0.1
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG23	8	0.1
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG22	11	0.1
(2,969)	1:188:A:VAL:HB	1:188:A:VAL:HG21	19	0.1
(2,944)	1:215:A:VAL:HG12	1:203:A:ALA:HB1	15	0.1
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG21	2	0.1
(2,943)	1:215:A:VAL:HG11	1:224:A:ILE:HG23	16	0.1
(2,922)	1:219:A:SER:HB2	1:217:A:LEU:HD23	3	0.1
(2,893)	1:231:A:VAL:HG23	1:231:A:VAL:HA	3	0.1
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	17	0.1
(2,888)	1:206:A:LEU:HB3	1:206:A:LEU:HD23	19	0.1
(2,876)	1:188:A:VAL:HA	1:208:A:ILE:HD12	16	0.1
(2,836)	1:200:A:ALA:HB1	1:193:A:LYS:HG2	19	0.1
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	2	0.1
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	7	0.1
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	13	0.1
(2,831)	1:183:A:ILE:HB	1:183:A:ILE:HA	19	0.1
(2,795)	1:209:A:THR:HA	1:208:A:ILE:HG23	4	0.1
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	9	0.1
(2,757)	1:207:A:GLU:H	1:213:A:VAL:HG11	18	0.1
(2,708)	1:188:A:VAL:HG21	1:208:A:ILE:HD12	16	0.1
(2,695)	1:196:A:ALA:HB1	1:201:A:MET:HE3	14	0.1
(2,671)	1:186:A:LEU:HD12	1:190:A:GLN:HB2	13	0.1
(2,658)	1:224:A:ILE:HG13	1:215:A:VAL:HG11	20	0.1
(2,657)	1:215:A:VAL:HG12	1:203:A:ALA:HB3	10	0.1
(2,584)	1:183:A:ILE:HG21	1:183:A:ILE:HG13	7	0.1
(2,566)	1:198:A:GLN:HA	1:198:A:GLN:HG3	4	0.1
(2,492)	1:209:A:THR:HA	1:208:A:ILE:HG22	3	0.1
(2,437)	1:180:A:VAL:HG11	1:182:A:ASP:H	4	0.1
(2,363)	1:222:A:SER:H	1:217:A:LEU:H	2	0.1
(2,315)	1:226:A:ARG:HB2	1:226:A:ARG:H	19	0.1
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	14	0.1
(2,293)	1:221:A:MET:H	1:217:A:LEU:HA	15	0.1
(2,255)	1:215:A:VAL:HG12	1:214:A:ARG:H	9	0.1
(2,231)	1:210:A:LYS:HB2	1:211:A:ASP:H	8	0.1
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	5	0.1
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	9	0.1
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	16	0.1
(2,220)	1:214:A:ARG:HB3	1:207:A:GLU:H	17	0.1
(2,202)	1:188:A:VAL:HG11	1:206:A:LEU:H	1	0.1
(2,187)	1:216:A:GLN:HG2	1:204:A:THR:H	4	0.1
(2,186)	1:216:A:GLN:HB2	1:204:A:THR:H	7	0.1
(2,114)	1:190:A:GLN:H	1:205:A:VAL:HG22	11	0.1
(2,114)	1:190:A:GLN:H	1:205:A:VAL:HG21	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,90)	1:187:A:THR:H	1:205:A:VAL:HG23	3	0.1
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	1	0.1
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	18	0.1
(2,39)	1:189:A:GLY:H	1:188:A:VAL:H	19	0.1
(1,40)	1:201:A:MET:H	1:202:A:ASP:HA	9	0.1
(1,28)	1:224:A:ILE:HD13	1:193:A:LYS:H	4	0.1
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	6	0.1
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	8	0.1
(1,21)	1:218:A:ASN:HA	1:204:A:THR:H	11	0.1
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	10	0.1
(1,19)	1:185:A:ALA:H	1:209:A:THR:H	12	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found