



Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 06:59 PM EST

PDB ID : 7WH3
BMRB ID : 11425
Title : Solution structure of human stomatin SPFH domain in a phosphate buffer
Authors : Kataoka, K.; Tenno, T.; Goda, N.; Hibino, E.; Hiroaki, H.
Deposited on : 2021-12-29

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

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

with specific help available everywhere you see the ⓘ 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 : 4.02b-467
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
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) : 2.40

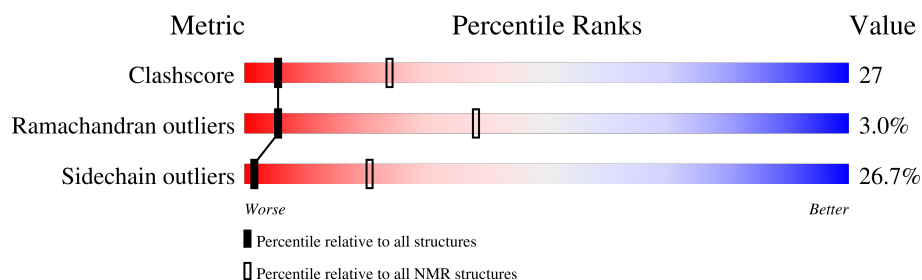
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 89%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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	113	<div> <div style="width: 46%; background-color: green;"></div> <div style="width: 38%; background-color: yellow;"></div> <div style="width: 5%; background-color: orange;"></div> <div style="width: 10%; background-color: red;"></div> <div style="width: 1%; background-color: cyan;"></div> <div style="width: 1%; background-color: grey;"></div> </div> <div>46% 38% 5% • 10%</div>

2 Ensemble composition and analysis

This entry contains 20 models. Model 9 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:97-A:198 (102)	0.43	9

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

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

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

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1761 atoms, of which 886 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Stomatin.

Mol	Chain	Residues	Atoms						Trace
1	A	113	Total	C	H	N	O	S	0
			1761	541	886	153	179	2	

There are 4 discrepancies between the modelled and reference sequences:

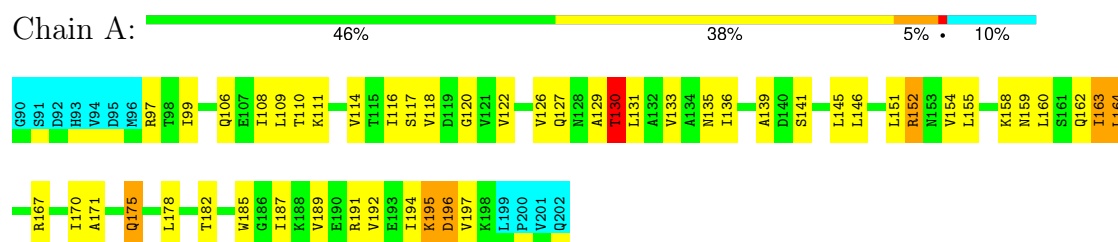
Chain	Residue	Modelled	Actual	Comment	Reference
A	90	GLY	-	expression tag	UNP P27105
A	91	SER	-	expression tag	UNP P27105
A	92	ASP	-	expression tag	UNP P27105
A	93	HIS	-	expression tag	UNP P27105

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: Stomatin

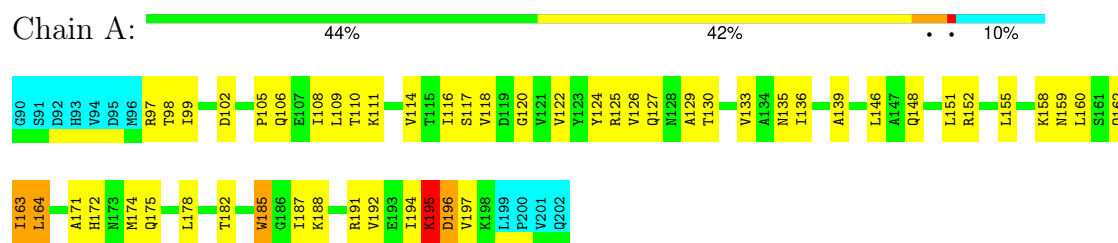


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

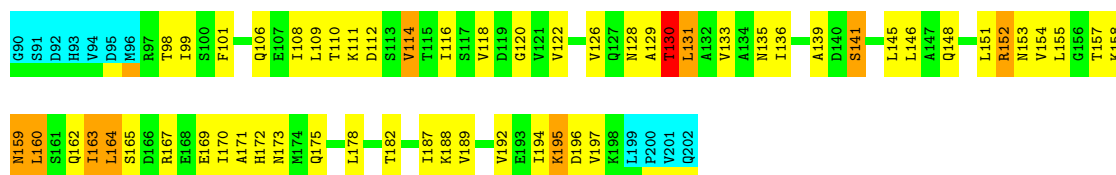
- Molecule 1: Stomatin



4.2.2 Score per residue for model 2

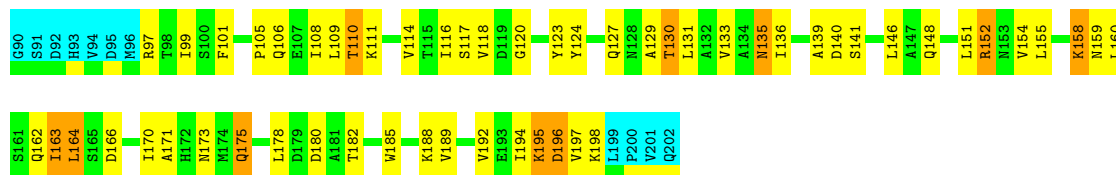
- Molecule 1: Stomatin





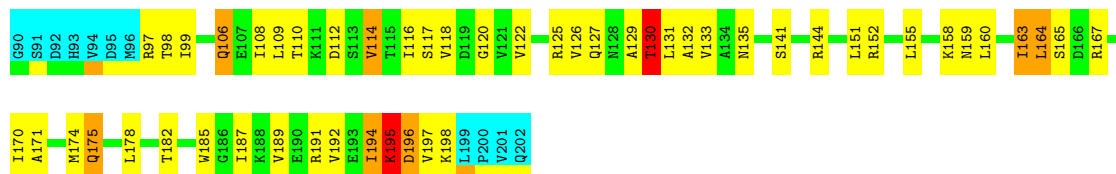
4.2.3 Score per residue for model 3

- Molecule 1: Stomatin



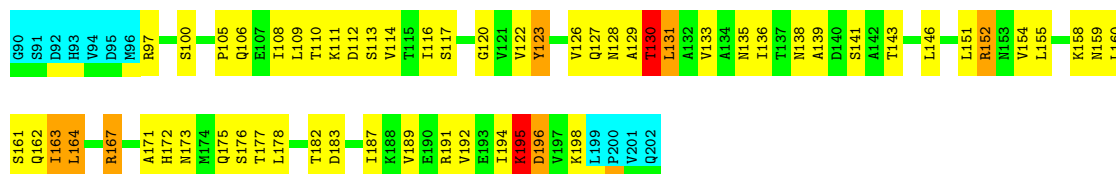
4.2.4 Score per residue for model 4

- Molecule 1: Stomatin



4.2.5 Score per residue for model 5

- Molecule 1: Stomatin



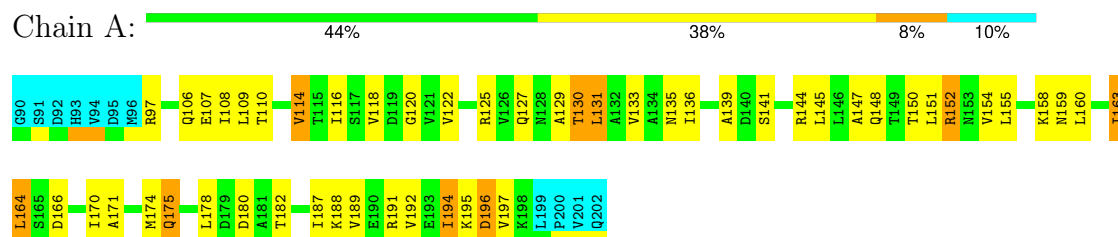
4.2.6 Score per residue for model 6

- Molecule 1: Stomatin



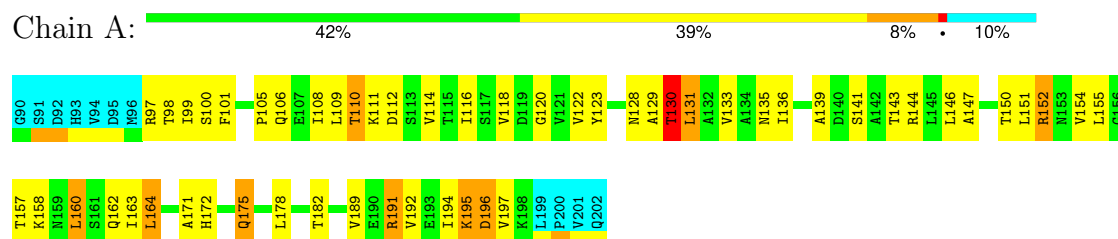
4.2.7 Score per residue for model 7

- Molecule 1: Stomatin



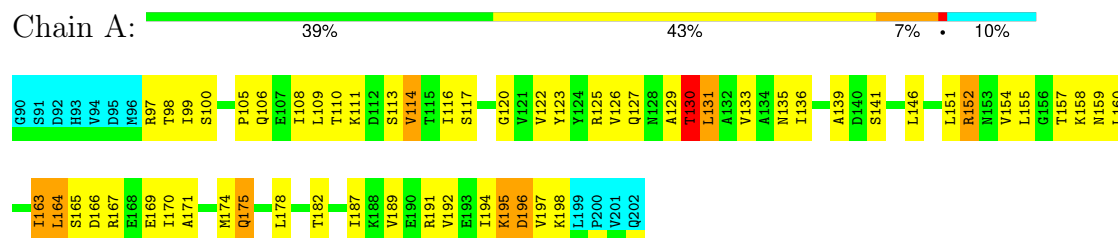
4.2.8 Score per residue for model 8

- Molecule 1: Stomatin



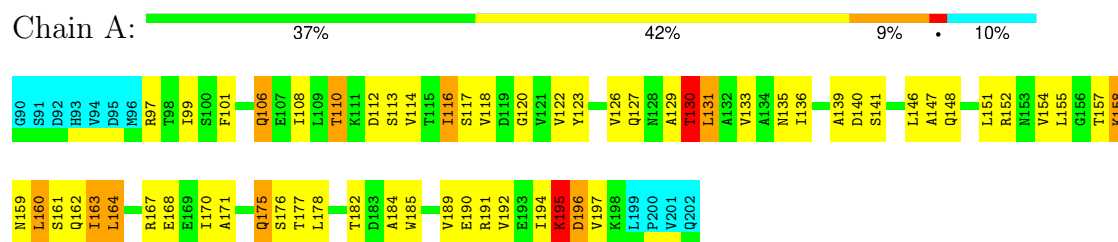
4.2.9 Score per residue for model 9 (medoid)

- Molecule 1: Stomatin



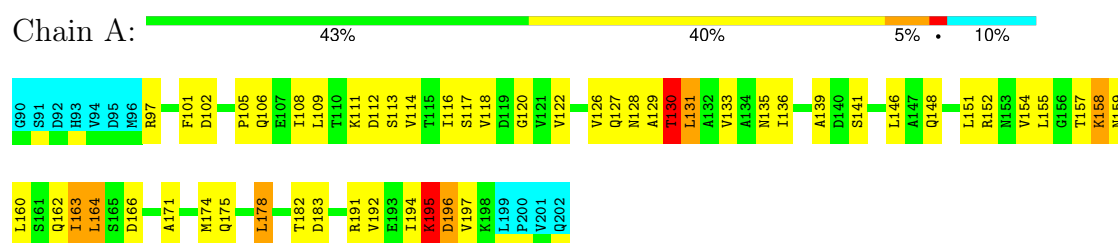
4.2.10 Score per residue for model 10

- Molecule 1: Stomatin



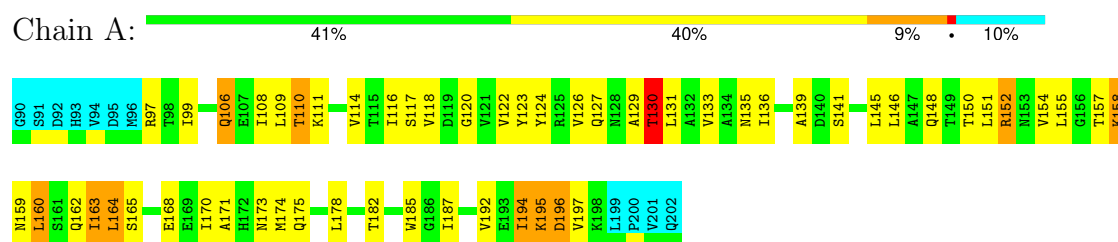
4.2.11 Score per residue for model 11

- Molecule 1: Stomatin



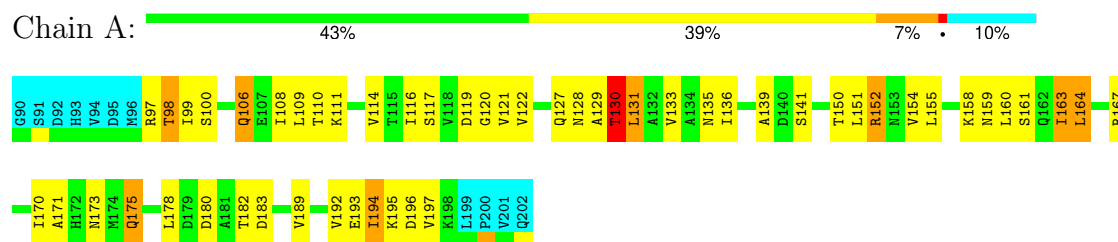
4.2.12 Score per residue for model 12

- Molecule 1: Stomatin



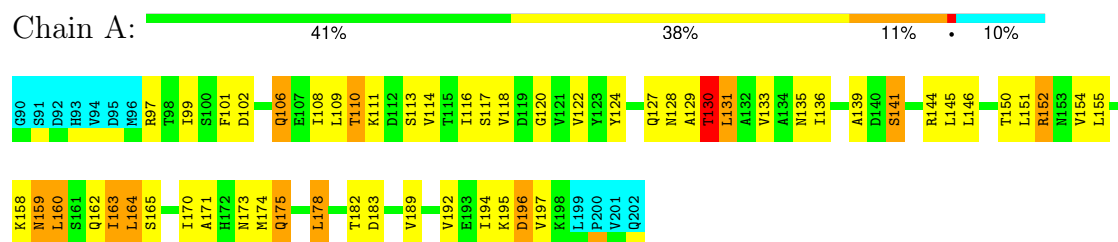
4.2.13 Score per residue for model 13

- Molecule 1: Stomatin



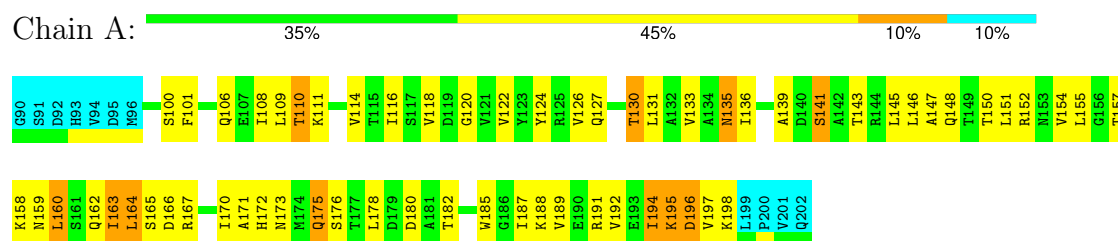
4.2.14 Score per residue for model 14

- Molecule 1: Stomatin



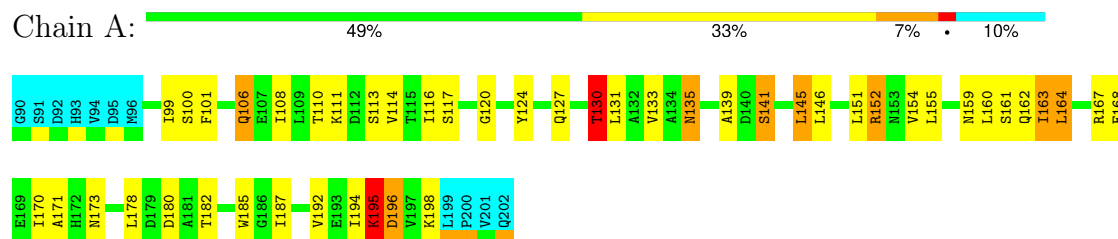
4.2.15 Score per residue for model 15

- Molecule 1: Stomatin



4.2.16 Score per residue for model 16

- Molecule 1: Stomatin



4.2.17 Score per residue for model 17

- Molecule 1: Stomatin



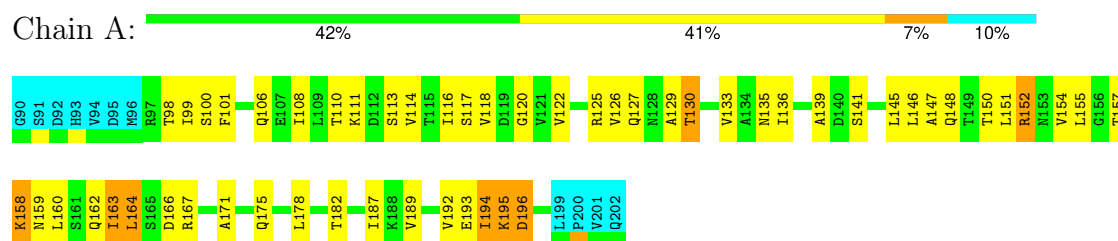
4.2.18 Score per residue for model 18

- Molecule 1: Stomatin



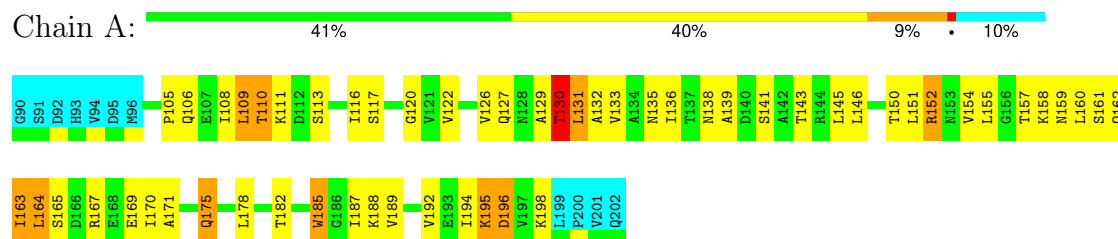
4.2.19 Score per residue for model 19

- Molecule 1: Stomatin



4.2.20 Score per residue for model 20

- Molecule 1: Stomatin



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CYANA	structure calculation	2.1
CNS	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1338
Number of shifts mapped to atoms	1338
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	89%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	792	807	806	43±5
All	All	15840	16140	16120	866

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 27.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:118:VAL:HG12	1:A:197:VAL:HG22	1.14	1.17	10	3
1:A:116:ILE:HD11	1:A:197:VAL:HG13	1.09	1.24	10	2
1:A:118:VAL:HG12	1:A:197:VAL:HG12	1.08	1.18	3	5
1:A:108:ILE:HD13	1:A:155:LEU:HD21	0.99	1.35	2	17
1:A:171:ALA:HB1	1:A:192:VAL:HG13	0.94	1.33	7	20
1:A:116:ILE:HG21	1:A:160:LEU:HD23	0.94	1.39	11	13
1:A:116:ILE:HG21	1:A:160:LEU:HD21	0.89	1.42	12	4
1:A:122:VAL:HG12	1:A:192:VAL:HG23	0.86	1.44	2	9
1:A:164:LEU:HD12	1:A:197:VAL:CG2	0.83	2.03	9	4
1:A:175:GLN:CG	1:A:189:VAL:HG11	0.81	2.05	13	12
1:A:116:ILE:HD11	1:A:155:LEU:HD13	0.81	1.51	11	1
1:A:171:ALA:HB2	1:A:194:ILE:CD1	0.81	2.05	13	6
1:A:116:ILE:CG2	1:A:160:LEU:HD21	0.80	2.06	15	4
1:A:122:VAL:HG22	1:A:192:VAL:HG23	0.79	1.52	5	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:118:VAL:HG23	1:A:197:VAL:HG22	0.77	1.54	1	4
1:A:150:THR:O	1:A:154:VAL:HG23	0.77	1.80	8	1
1:A:129:ALA:O	1:A:133:VAL:HG22	0.76	1.80	4	9
1:A:143:THR:HG23	1:A:178:LEU:HD22	0.76	1.54	5	4
1:A:116:ILE:CD1	1:A:118:VAL:HG13	0.76	2.11	10	2
1:A:122:VAL:HG12	1:A:192:VAL:CG2	0.74	2.12	8	9
1:A:118:VAL:HG12	1:A:197:VAL:CG2	0.74	2.13	11	2
1:A:116:ILE:HB	1:A:160:LEU:HD21	0.74	1.58	17	1
1:A:118:VAL:CG1	1:A:197:VAL:HG22	0.73	2.13	11	2
1:A:178:LEU:O	1:A:182:THR:HG23	0.73	1.83	7	20
1:A:108:ILE:CD1	1:A:155:LEU:HD21	0.73	2.12	2	1
1:A:151:LEU:HD12	1:A:152:ARG:N	0.72	2.00	6	20
1:A:129:ALA:O	1:A:133:VAL:HG12	0.72	1.85	18	6
1:A:174:MET:CE	1:A:192:VAL:HG21	0.72	2.14	4	8
1:A:174:MET:HE3	1:A:192:VAL:HG21	0.69	1.64	18	3
1:A:163:ILE:HD13	1:A:164:LEU:N	0.69	2.02	10	19
1:A:118:VAL:HG12	1:A:197:VAL:CG1	0.69	2.08	12	3
1:A:164:LEU:HD12	1:A:197:VAL:HG21	0.68	1.65	9	4
1:A:116:ILE:CD1	1:A:197:VAL:HG13	0.68	2.13	10	2
1:A:118:VAL:CG2	1:A:197:VAL:HG22	0.67	2.20	7	4
1:A:108:ILE:HD13	1:A:155:LEU:CD2	0.67	2.16	2	1
1:A:150:THR:O	1:A:154:VAL:HG13	0.67	1.89	14	3
1:A:160:LEU:HD22	1:A:163:ILE:HD11	0.66	1.68	9	13
1:A:146:LEU:HD23	1:A:178:LEU:HD12	0.66	1.68	17	10
1:A:126:VAL:HG21	1:A:132:ALA:CB	0.65	2.21	20	3
1:A:116:ILE:HG21	1:A:160:LEU:CD2	0.64	2.22	3	10
1:A:122:VAL:HG22	1:A:192:VAL:CG2	0.64	2.22	5	4
1:A:130:THR:O	1:A:133:VAL:HG12	0.64	1.92	16	2
1:A:175:GLN:CG	1:A:189:VAL:HG21	0.64	2.23	3	1
1:A:129:ALA:O	1:A:133:VAL:HG23	0.64	1.93	17	3
1:A:136:ILE:HD12	1:A:139:ALA:HB3	0.63	1.71	7	14
1:A:129:ALA:O	1:A:133:VAL:HG13	0.63	1.94	3	6
1:A:171:ALA:HB1	1:A:192:VAL:CG1	0.63	2.17	7	3
1:A:108:ILE:HG23	1:A:152:ARG:HG2	0.63	1.71	2	5
1:A:116:ILE:HD11	1:A:197:VAL:CG1	0.62	2.21	17	2
1:A:154:VAL:HG11	1:A:173:ASN:HB3	0.62	1.72	13	4
1:A:118:VAL:CG1	1:A:197:VAL:HG12	0.62	2.11	3	2
1:A:126:VAL:HG23	1:A:187:ILE:HG13	0.62	1.71	15	5
1:A:106:GLN:O	1:A:108:ILE:HD12	0.61	1.94	5	18
1:A:160:LEU:HD13	1:A:163:ILE:HD11	0.61	1.72	8	2
1:A:120:GLY:HA3	1:A:194:ILE:HG22	0.61	1.72	8	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:108:ILE:HD11	1:A:118:VAL:HG22	0.61	1.73	2	1
1:A:174:MET:HE1	1:A:192:VAL:HG21	0.60	1.72	4	1
1:A:161:SER:HA	1:A:164:LEU:HD22	0.60	1.72	20	2
1:A:109:LEU:HD11	1:A:113:SER:HA	0.60	1.73	20	2
1:A:130:THR:OG1	1:A:131:LEU:HD23	0.60	1.97	8	6
1:A:154:VAL:HG21	1:A:173:ASN:HB2	0.59	1.75	16	5
1:A:164:LEU:HD23	1:A:165:SER:N	0.59	2.12	17	2
1:A:108:ILE:CD1	1:A:118:VAL:HG22	0.59	2.28	2	1
1:A:108:ILE:HB	1:A:155:LEU:HD11	0.59	1.74	18	12
1:A:118:VAL:HG23	1:A:197:VAL:CG2	0.59	2.27	7	4
1:A:160:LEU:HD13	1:A:164:LEU:HD23	0.58	1.74	6	2
1:A:195:LYS:O	1:A:196:ASP:CB	0.58	2.51	19	10
1:A:160:LEU:HA	1:A:163:ILE:HD12	0.58	1.75	17	19
1:A:160:LEU:O	1:A:160:LEU:HD13	0.58	1.98	2	4
1:A:158:LYS:HG3	1:A:163:ILE:HG22	0.58	1.76	17	7
1:A:146:LEU:CD2	1:A:178:LEU:HD12	0.57	2.29	9	8
1:A:143:THR:HG23	1:A:178:LEU:CD2	0.57	2.28	5	4
1:A:147:ALA:HB2	1:A:178:LEU:HD11	0.57	1.76	15	3
1:A:99:ILE:HG22	1:A:124:TYR:CZ	0.57	2.35	16	3
1:A:163:ILE:HD13	1:A:164:LEU:H	0.57	1.59	16	19
1:A:130:THR:HG23	1:A:131:LEU:HD12	0.57	1.74	4	4
1:A:116:ILE:CB	1:A:160:LEU:HD21	0.57	2.30	17	1
1:A:151:LEU:O	1:A:155:LEU:HD23	0.57	1.99	2	18
1:A:118:VAL:HG23	1:A:197:VAL:HG12	0.57	1.76	4	2
1:A:108:ILE:CG2	1:A:155:LEU:HD11	0.56	2.30	12	12
1:A:175:GLN:CD	1:A:189:VAL:HG11	0.56	2.21	18	7
1:A:175:GLN:HG3	1:A:189:VAL:HG11	0.56	1.77	13	8
1:A:154:VAL:HG21	1:A:173:ASN:CB	0.56	2.31	16	4
1:A:171:ALA:O	1:A:192:VAL:HG11	0.56	2.01	16	6
1:A:182:THR:O	1:A:187:ILE:HD12	0.56	2.00	7	2
1:A:160:LEU:HD22	1:A:163:ILE:CD1	0.55	2.31	9	12
1:A:126:VAL:HG23	1:A:187:ILE:CG1	0.55	2.31	15	2
1:A:154:VAL:O	1:A:157:THR:HG22	0.54	2.02	11	9
1:A:154:VAL:HG11	1:A:173:ASN:CB	0.54	2.33	5	1
1:A:159:ASN:O	1:A:163:ILE:HG23	0.54	2.02	2	19
1:A:116:ILE:HG12	1:A:160:LEU:HD21	0.54	1.80	8	1
1:A:174:MET:HE2	1:A:192:VAL:HG21	0.53	1.79	14	4
1:A:131:LEU:O	1:A:135:ASN:ND2	0.53	2.41	3	3
1:A:110:THR:OG1	1:A:160:LEU:HD23	0.53	2.02	12	4
1:A:106:GLN:OE1	1:A:108:ILE:HD11	0.53	2.04	9	1
1:A:98:THR:O	1:A:99:ILE:HD13	0.53	2.04	8	7

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:151:LEU:HD12	1:A:151:LEU:C	0.53	2.24	19	19
1:A:160:LEU:O	1:A:163:ILE:HD13	0.53	2.04	5	19
1:A:116:ILE:HD12	1:A:118:VAL:HG13	0.53	1.81	19	3
1:A:116:ILE:HD11	1:A:118:VAL:HG13	0.53	1.81	10	2
1:A:131:LEU:HD23	1:A:131:LEU:N	0.52	2.19	14	6
1:A:167:ARG:CB	1:A:194:ILE:HD11	0.52	2.33	20	3
1:A:146:LEU:HD23	1:A:178:LEU:HD23	0.52	1.79	8	2
1:A:194:ILE:H	1:A:194:ILE:HD13	0.52	1.65	12	4
1:A:108:ILE:HG23	1:A:152:ARG:CG	0.52	2.35	1	5
1:A:175:GLN:HG2	1:A:189:VAL:HG11	0.52	1.81	2	1
1:A:171:ALA:CB	1:A:192:VAL:HG13	0.51	2.29	8	2
1:A:170:ILE:HD12	1:A:170:ILE:N	0.51	2.21	10	13
1:A:160:LEU:C	1:A:160:LEU:HD13	0.51	2.25	16	10
1:A:99:ILE:HG13	1:A:126:VAL:HG12	0.51	1.82	1	3
1:A:114:VAL:CG1	1:A:160:LEU:HD23	0.51	2.35	17	1
1:A:99:ILE:HG13	1:A:126:VAL:HG23	0.50	1.83	10	1
1:A:185:TRP:HB2	1:A:187:ILE:HD12	0.50	1.84	16	2
1:A:110:THR:HG22	1:A:158:LYS:O	0.50	2.06	10	2
1:A:109:LEU:HD13	1:A:114:VAL:C	0.50	2.27	7	6
1:A:114:VAL:HG13	1:A:160:LEU:HD23	0.50	1.82	17	1
1:A:116:ILE:HD12	1:A:116:ILE:O	0.49	2.07	1	1
1:A:167:ARG:HA	1:A:194:ILE:HD11	0.49	1.84	20	1
1:A:108:ILE:HG21	1:A:155:LEU:HD11	0.49	1.83	15	3
1:A:185:TRP:HB3	1:A:187:ILE:HD12	0.49	1.82	1	2
1:A:160:LEU:HD13	1:A:160:LEU:C	0.49	2.27	9	2
1:A:167:ARG:CA	1:A:194:ILE:HD11	0.49	2.38	20	1
1:A:167:ARG:HB2	1:A:194:ILE:HD11	0.48	1.85	16	3
1:A:128:ASN:OD1	1:A:130:THR:HG23	0.48	2.07	11	6
1:A:141:SER:O	1:A:145:LEU:HD12	0.48	2.08	16	1
1:A:155:LEU:HD12	1:A:155:LEU:C	0.48	2.28	12	18
1:A:116:ILE:CD1	1:A:163:ILE:HD11	0.48	2.39	2	1
1:A:109:LEU:HD13	1:A:110:THR:O	0.48	2.09	18	2
1:A:194:ILE:HD13	1:A:194:ILE:N	0.48	2.24	19	2
1:A:116:ILE:CG2	1:A:160:LEU:HD23	0.48	2.28	11	2
1:A:126:VAL:HG13	1:A:187:ILE:HG12	0.47	1.86	17	1
1:A:146:LEU:HD11	1:A:177:THR:OG1	0.47	2.09	5	1
1:A:136:ILE:HA	1:A:139:ALA:HB3	0.47	1.86	18	8
1:A:158:LYS:CD	1:A:163:ILE:HG22	0.47	2.39	11	2
1:A:122:VAL:HB	1:A:192:VAL:HG23	0.47	1.86	18	1
1:A:109:LEU:HD11	1:A:113:SER:O	0.47	2.10	5	1
1:A:146:LEU:C	1:A:146:LEU:HD23	0.47	2.30	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:116:ILE:HG21	1:A:160:LEU:CG	0.47	2.40	20	1
1:A:141:SER:O	1:A:145:LEU:HD23	0.46	2.10	15	4
1:A:116:ILE:C	1:A:116:ILE:HD13	0.46	2.30	10	2
1:A:130:THR:HG23	1:A:131:LEU:H	0.46	1.70	9	4
1:A:171:ALA:HB2	1:A:194:ILE:HD12	0.46	1.85	7	1
1:A:164:LEU:HD12	1:A:164:LEU:C	0.46	2.31	14	5
1:A:122:VAL:CG1	1:A:192:VAL:HG23	0.45	2.36	8	2
1:A:171:ALA:HB2	1:A:194:ILE:HD11	0.45	1.87	13	1
1:A:99:ILE:CG2	1:A:124:TYR:CZ	0.45	3.00	16	1
1:A:99:ILE:HG22	1:A:124:TYR:CE2	0.45	2.47	14	1
1:A:195:LYS:O	1:A:196:ASP:HB2	0.45	2.12	11	1
1:A:99:ILE:CG2	1:A:124:TYR:CE2	0.45	3.00	18	2
1:A:139:ALA:HB2	1:A:185:TRP:CZ3	0.45	2.47	16	1
1:A:116:ILE:HG21	1:A:160:LEU:HD11	0.45	1.89	14	2
1:A:126:VAL:HG11	1:A:132:ALA:CB	0.44	2.42	17	1
1:A:174:MET:HE1	1:A:192:VAL:CG2	0.44	2.42	4	1
1:A:126:VAL:O	1:A:126:VAL:HG13	0.44	2.10	11	1
1:A:158:LYS:CG	1:A:163:ILE:HG22	0.44	2.43	20	2
1:A:151:LEU:C	1:A:151:LEU:HD12	0.44	2.32	4	1
1:A:126:VAL:HG13	1:A:187:ILE:CG1	0.44	2.42	17	1
1:A:116:ILE:CG1	1:A:160:LEU:HD21	0.44	2.41	8	1
1:A:124:TYR:N	1:A:124:TYR:CD2	0.44	2.85	1	1
1:A:192:VAL:HG13	1:A:192:VAL:O	0.44	2.13	2	5
1:A:146:LEU:HD21	1:A:177:THR:HG23	0.44	1.89	10	1
1:A:124:TYR:CD1	1:A:124:TYR:N	0.44	2.85	15	1
1:A:161:SER:CA	1:A:164:LEU:HD22	0.44	2.41	20	1
1:A:184:ALA:HB3	1:A:185:TRP:CE3	0.44	2.48	10	1
1:A:116:ILE:HD12	1:A:163:ILE:HD11	0.44	1.88	2	1
1:A:150:THR:O	1:A:154:VAL:HG12	0.43	2.13	7	1
1:A:146:LEU:O	1:A:150:THR:HG22	0.43	2.13	20	2
1:A:179:ASP:OD1	1:A:189:VAL:HG22	0.43	2.13	6	1
1:A:108:ILE:CB	1:A:155:LEU:HD11	0.43	2.43	10	2
1:A:121:VAL:HG12	1:A:193:GLU:O	0.43	2.14	13	1
1:A:185:TRP:CB	1:A:187:ILE:HD12	0.43	2.44	12	1
1:A:108:ILE:HG23	1:A:152:ARG:HG3	0.43	1.90	1	1
1:A:154:VAL:HG23	1:A:155:LEU:N	0.43	2.28	13	4
1:A:194:ILE:HD13	1:A:194:ILE:H	0.43	1.74	19	1
1:A:160:LEU:O	1:A:163:ILE:CD1	0.42	2.68	5	7
1:A:123:TYR:CD2	1:A:191:ARG:CZ	0.42	3.02	8	1
1:A:126:VAL:HG23	1:A:187:ILE:HG12	0.42	1.92	2	2
1:A:109:LEU:HD12	1:A:113:SER:C	0.42	2.34	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:153:ASN:O	1:A:157:THR:HG22	0.42	2.15	2	1
1:A:147:ALA:O	1:A:151:LEU:HD23	0.41	2.13	7	1
1:A:146:LEU:HG	1:A:178:LEU:HD12	0.41	1.92	11	1
1:A:108:ILE:HG22	1:A:109:LEU:N	0.41	2.31	11	9
1:A:175:GLN:HG3	1:A:189:VAL:HG21	0.41	1.90	3	1
1:A:115:THR:O	1:A:115:THR:HG23	0.41	2.15	17	1
1:A:99:ILE:CG2	1:A:124:TYR:CE1	0.41	3.03	3	1
1:A:147:ALA:HA	1:A:150:THR:HG22	0.41	1.93	19	2
1:A:139:ALA:HB2	1:A:185:TRP:HZ3	0.41	1.75	16	1
1:A:129:ALA:O	1:A:133:VAL:CG2	0.41	2.69	7	1
1:A:123:TYR:CB	1:A:191:ARG:NH1	0.41	2.84	8	1
1:A:181:ALA:O	1:A:185:TRP:CD1	0.41	2.74	17	1
1:A:100:SER:CB	1:A:123:TYR:CD1	0.40	3.04	5	1
1:A:99:ILE:O	1:A:124:TYR:CD1	0.40	2.75	14	1
1:A:175:GLN:HB2	1:A:192:VAL:HG11	0.40	1.91	19	1
1:A:108:ILE:CG2	1:A:152:ARG:CG	0.40	2.99	1	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	102/113 (90%)	94±1 (93±1%)	4±1 (4±1%)	3±1 (3±1%)	5	38
All	All	2040/2260 (90%)	1890 (93%)	88 (4%)	62 (3%)	5	38

All 4 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	196	ASP	20
1	A	195	LYS	19
1	A	130	THR	16
1	A	105	PRO	7

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	90/100 (90%)	66±3 (73±3%)	24±3 (27±3%)	1	21
All	All	1800/2000 (90%)	1320 (73%)	480 (27%)	1	21

All 56 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	130	THR	20
1	A	135	ASN	20
1	A	164	LEU	20
1	A	110	THR	19
1	A	163	ILE	19
1	A	127	GLN	18
1	A	158	LYS	17
1	A	111	LYS	16
1	A	117	SER	16
1	A	141	SER	16
1	A	162	GLN	15
1	A	175	GLN	15
1	A	195	LYS	15
1	A	152	ARG	15
1	A	97	ARG	13
1	A	114	VAL	12
1	A	191	ARG	11
1	A	148	GLN	10
1	A	131	LEU	10
1	A	198	LYS	10
1	A	101	PHE	9
1	A	106	GLN	9
1	A	167	ARG	9
1	A	125	ARG	8
1	A	196	ASP	8
1	A	185	TRP	7
1	A	188	LYS	7
1	A	160	LEU	7
1	A	165	SER	7

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Mol	Chain	Res	Type	Models (Total)
1	A	166	ASP	7
1	A	100	SER	7
1	A	172	HIS	6
1	A	112	ASP	6
1	A	180	ASP	6
1	A	194	ILE	6
1	A	161	SER	6
1	A	145	LEU	6
1	A	123	TYR	5
1	A	176	SER	5
1	A	113	SER	5
1	A	144	ARG	4
1	A	183	ASP	4
1	A	168	GLU	4
1	A	102	ASP	3
1	A	109	LEU	3
1	A	169	GLU	3
1	A	138	ASN	3
1	A	159	ASN	2
1	A	140	ASP	2
1	A	116	ILE	2
1	A	178	LEU	2
1	A	107	GLU	1
1	A	190	GLU	1
1	A	98	THR	1
1	A	119	ASP	1
1	A	193	GLU	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 89% for the well-defined parts and 87% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1338
Number of shifts mapped to atoms	1338
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	109	2.51 ± 0.17	Should be applied
$^{13}\text{C}_\beta$	106	2.80 ± 0.19	Should be applied
$^{13}\text{C}'$	101	2.73 ± 0.19	Should be applied
^{15}N	112	0.11 ± 0.47	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 89%, i.e. 1243 atoms were assigned a chemical shift out of a possible 1393. 0 out of 19 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	494/509 (97%)	203/205 (99%)	191/204 (94%)	100/100 (100%)
Sidechain	724/836 (87%)	499/544 (92%)	215/258 (83%)	10/34 (29%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	25/48 (52%)	13/23 (57%)	12/22 (55%)	0/3 (0%)
Overall	1243/1393 (89%)	715/772 (93%)	418/484 (86%)	110/137 (80%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 87%, i.e. 1335 atoms were assigned a chemical shift out of a possible 1531. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	539/563 (96%)	220/227 (97%)	210/226 (93%)	109/110 (99%)
Sidechain	769/912 (84%)	529/594 (89%)	230/283 (81%)	10/35 (29%)
Aromatic	27/56 (48%)	14/27 (52%)	13/24 (54%)	0/5 (0%)
Overall	1335/1531 (87%)	763/848 (90%)	453/533 (85%)	119/150 (79%)

7.1.4 Statistically unusual chemical shifts [i](#)

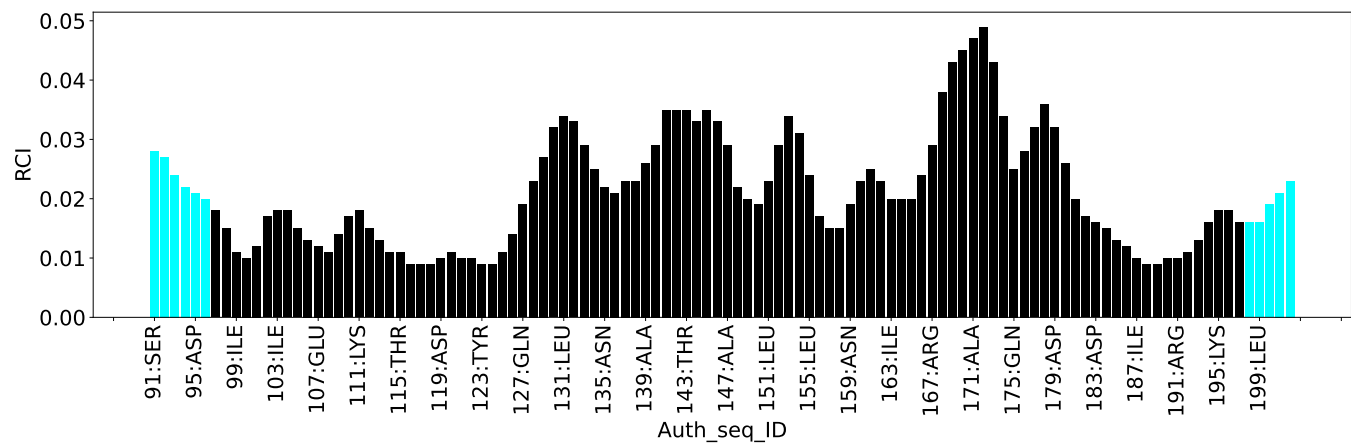
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	122	VAL	HB	0.35	0.43 – 3.54	-5.3

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

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

Random coil index (RCI) for chain A:



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	2258
Intra-residue ($ i-j =0$)	316
Sequential ($ i-j =1$)	666
Medium range ($ i-j >1$ and $ i-j <5$)	569
Long range ($ i-j \geq 5$)	597
Inter-chain	0
Hydrogen bond restraints	110
Disulfide bond restraints	0
Total dihedral-angle restraints	158
Number of unmapped restraints	0
Number of restraints per residue	21.4
Number of long range restraints per residue ¹	5.7

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	53.6	0.2
0.2-0.5 (Medium)	74.2	0.34
>0.5 (Large)	None	None

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	0.2	1.4
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

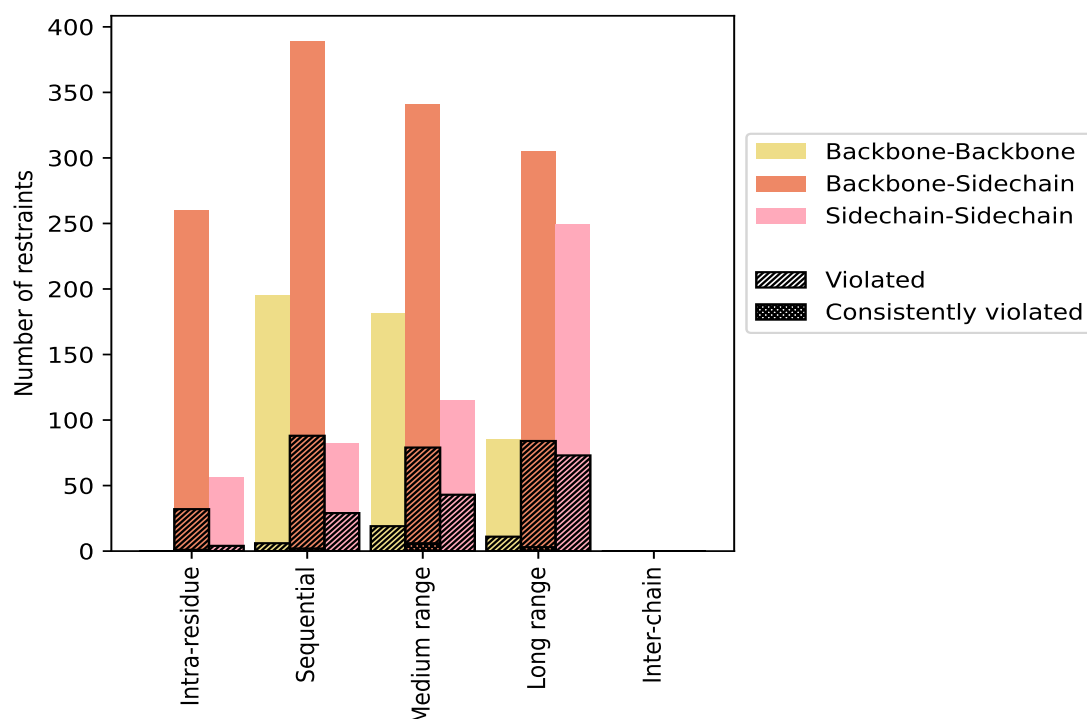
9.1 Summary of distance violations ⓘ

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 ($i-j =0$)	316	14.0	36	11.4	1.6	1	0.3	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	260	11.5	32	12.3	1.4	1	0.4	0.0
Sidechain-Sidechain	56	2.5	4	7.1	0.2	0	0.0	0.0
Sequential ($i-j =1$)	666	29.5	123	18.5	5.4	2	0.3	0.1
Backbone-Backbone	195	8.6	6	3.1	0.3	0	0.0	0.0
Backbone-Sidechain	389	17.2	88	22.6	3.9	2	0.5	0.1
Sidechain-Sidechain	82	3.6	29	35.4	1.3	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	569	25.2	141	24.8	6.2	6	1.1	0.3
Backbone-Backbone	181	8.0	19	10.5	0.8	0	0.0	0.0
Backbone-Sidechain	273	12.1	79	28.9	3.5	6	2.2	0.3
Sidechain-Sidechain	115	5.1	43	37.4	1.9	0	0.0	0.0
Long range ($i-j \geq 5$)	597	26.4	168	28.1	7.4	3	0.5	0.1
Backbone-Backbone	85	3.8	11	12.9	0.5	0	0.0	0.0
Backbone-Sidechain	263	11.6	84	31.9	3.7	3	1.1	0.1
Sidechain-Sidechain	249	11.0	73	29.3	3.2	0	0.0	0.0
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	110	4.9	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	2258	100.0	468	20.7	20.7	12	0.5	0.5
Backbone-Backbone	461	20.4	36	7.8	1.6	0	0.0	0.0
Backbone-Sidechain	1295	57.4	283	21.9	12.5	12	0.9	0.5
Sidechain-Sidechain	502	22.2	149	29.7	6.6	0	0.0	0.0

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	8	36	45	53	0	142	0.2	0.27	0.05	0.22
2	11	32	37	43	0	123	0.2	0.28	0.06	0.21
3	13	41	50	37	0	141	0.21	0.31	0.05	0.22
4	5	37	36	45	0	123	0.21	0.33	0.06	0.23
5	7	33	41	44	0	125	0.21	0.34	0.06	0.24
6	10	32	47	37	0	126	0.21	0.33	0.05	0.22
7	7	33	46	44	0	130	0.21	0.29	0.06	0.24
8	5	41	40	52	0	138	0.21	0.33	0.06	0.23
9	7	32	31	39	0	109	0.21	0.32	0.05	0.25
10	5	34	37	50	0	126	0.21	0.28	0.05	0.22

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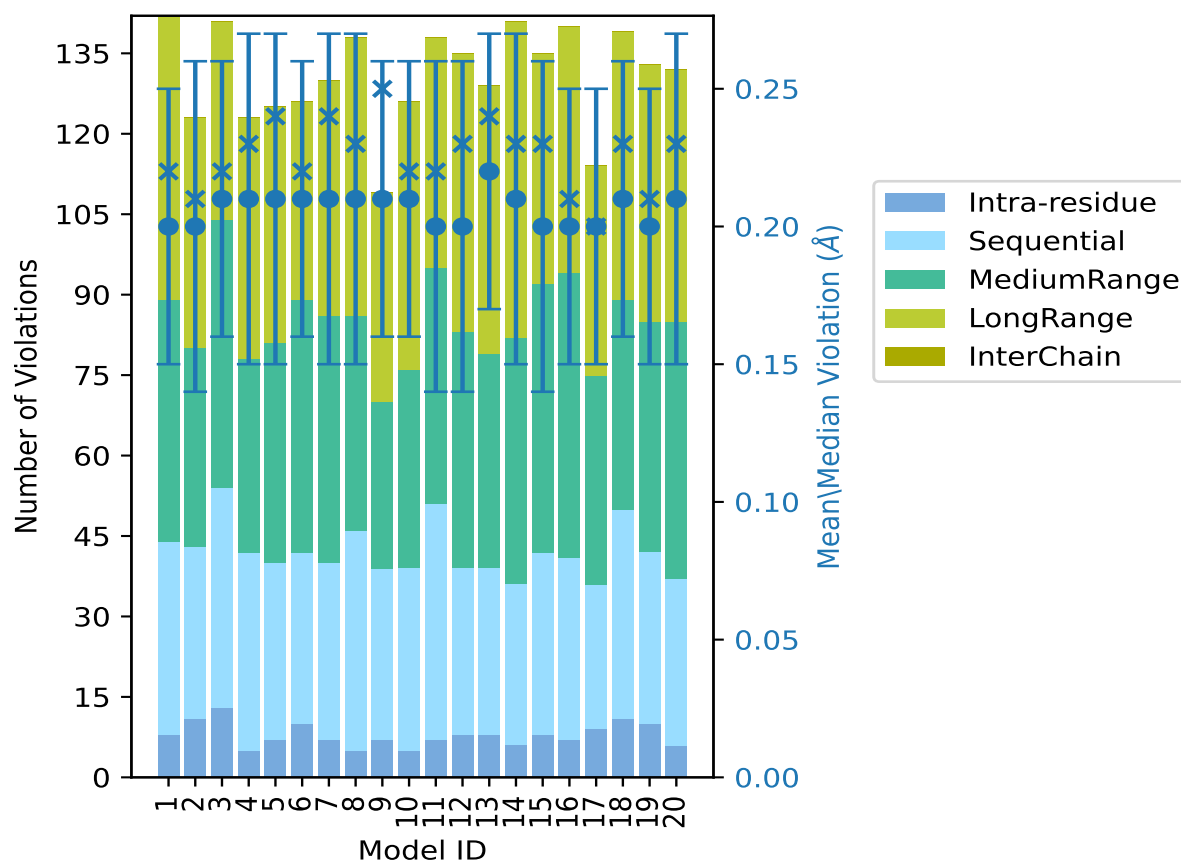
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	7	44	44	43	0	138	0.2	0.29	0.06	0.22
12	8	31	44	52	0	135	0.2	0.28	0.06	0.23
13	8	31	40	50	0	129	0.22	0.28	0.05	0.24
14	6	30	46	59	0	141	0.21	0.28	0.06	0.23
15	8	34	50	43	0	135	0.2	0.28	0.06	0.23
16	7	34	53	46	0	140	0.2	0.33	0.05	0.21
17	9	27	39	39	0	114	0.2	0.27	0.05	0.2
18	11	39	39	50	0	139	0.21	0.3	0.05	0.23
19	10	32	43	48	0	133	0.2	0.32	0.05	0.21
20	6	31	48	47	0	132	0.21	0.33	0.06	0.23

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

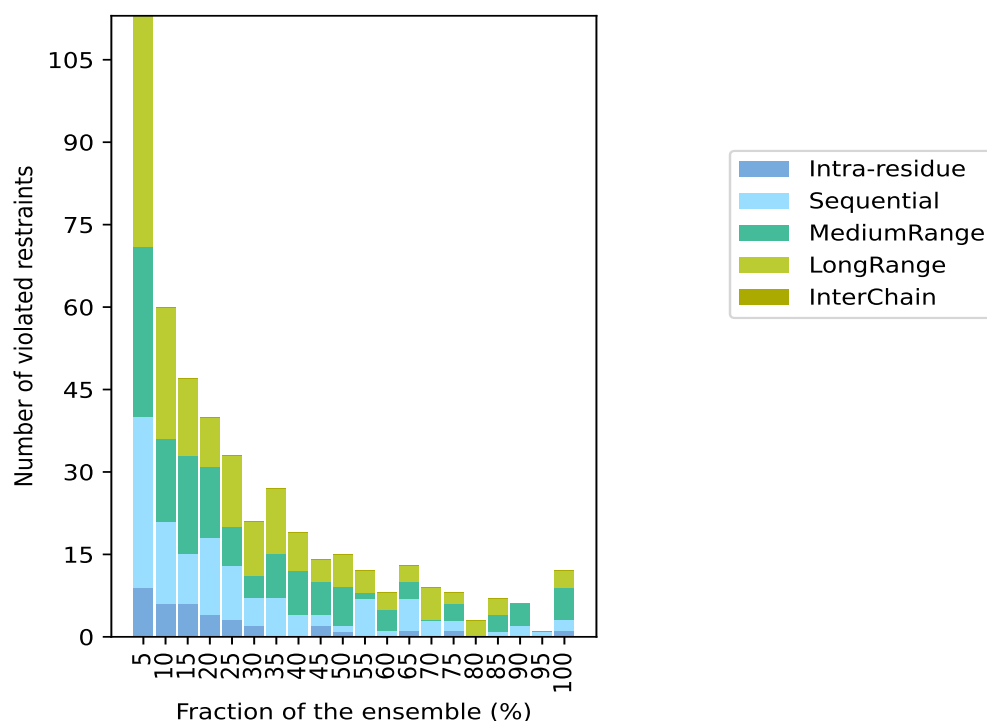
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1680(IR:280, SQ:543, MR:428, LR:429, IC:0) restraints are 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	%
9	31	31	42	0	113	1	5.0
6	15	15	24	0	60	2	10.0
6	9	18	14	0	47	3	15.0
4	14	13	9	0	40	4	20.0
3	10	7	13	0	33	5	25.0
2	5	4	10	0	21	6	30.0
0	7	8	12	0	27	7	35.0
0	4	8	7	0	19	8	40.0
2	2	6	4	0	14	9	45.0
1	1	7	6	0	15	10	50.0
0	7	1	4	0	12	11	55.0
0	1	4	3	0	8	12	60.0
1	6	3	3	0	13	13	65.0
0	3	0	6	0	9	14	70.0
1	2	3	2	0	8	15	75.0
0	0	0	3	0	3	16	80.0
0	1	3	3	0	7	17	85.0
0	2	4	0	0	6	18	90.0
0	1	0	0	0	1	19	95.0
1	2	6	3	0	12	20	100.0

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

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

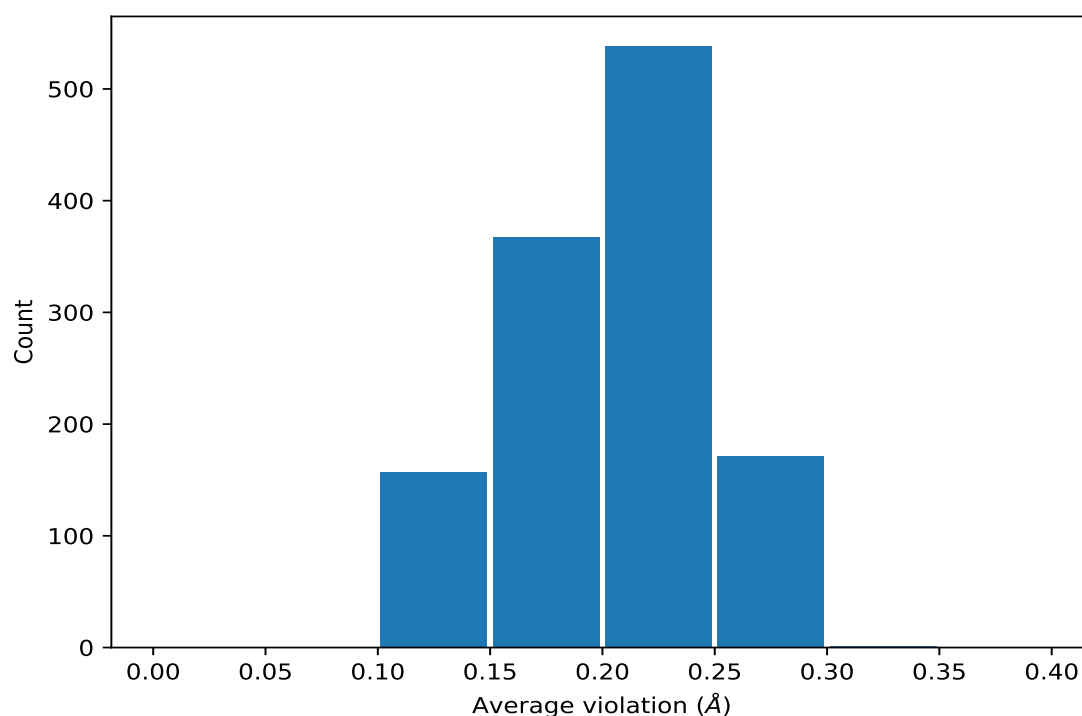
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	20	0.26	0.01	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	20	0.26	0.01	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	20	0.26	0.01	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	20	0.26	0.01	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	20	0.26	0.01	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	20	0.26	0.01	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	20	0.26	0.01	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	20	0.26	0.01	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	20	0.25	0.0	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	20	0.25	0.0	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	20	0.25	0.0	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	20	0.25	0.01	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	20	0.25	0.01	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	20	0.25	0.01	0.25
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	20	0.25	0.04	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	20	0.25	0.04	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	20	0.24	0.03	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	20	0.24	0.03	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	20	0.24	0.03	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	20	0.23	0.03	0.25
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	20	0.22	0.04	0.23
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	20	0.22	0.04	0.23
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	20	0.21	0.05	0.22
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	20	0.21	0.05	0.22
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	20	0.21	0.05	0.22
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	20	0.18	0.04	0.18
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	20	0.14	0.01	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	20	0.14	0.01	0.14
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	19	0.2	0.05	0.2
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	19	0.2	0.05	0.2
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	18	0.24	0.04	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	18	0.24	0.04	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	18	0.24	0.04	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	18	0.24	0.04	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	18	0.24	0.03	0.25
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	18	0.24	0.03	0.25
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	18	0.24	0.03	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	18	0.22	0.03	0.24
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	18	0.22	0.03	0.24
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	18	0.22	0.04	0.24
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	18	0.22	0.04	0.24
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	18	0.22	0.04	0.24
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	18	0.22	0.04	0.24
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	18	0.19	0.06	0.19
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	17	0.26	0.01	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	17	0.24	0.04	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	17	0.23	0.03	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	17	0.23	0.03	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	17	0.23	0.04	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	17	0.23	0.04	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	17	0.23	0.04	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	17	0.22	0.05	0.25
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	17	0.19	0.05	0.2
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	16	0.24	0.03	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	16	0.24	0.03	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	16	0.24	0.03	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	16	0.24	0.03	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	16	0.24	0.03	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	16	0.24	0.03	0.25
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	16	0.22	0.06	0.25
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	16	0.22	0.06	0.25
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	16	0.2	0.06	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	16	0.2	0.06	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	16	0.2	0.06	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	16	0.2	0.06	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	16	0.2	0.06	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	16	0.2	0.06	0.21
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	15	0.26	0.01	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	15	0.26	0.01	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	15	0.26	0.01	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	15	0.26	0.01	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	15	0.26	0.01	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	15	0.25	0.0	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	15	0.25	0.0	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	15	0.25	0.0	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	15	0.24	0.03	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	15	0.24	0.03	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	15	0.24	0.03	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	15	0.21	0.05	0.24
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	15	0.21	0.05	0.24
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	15	0.21	0.05	0.24
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	15	0.21	0.05	0.24
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	15	0.21	0.05	0.24
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	15	0.21	0.05	0.24
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	15	0.21	0.05	0.19
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	15	0.2	0.05	0.22
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	15	0.2	0.05	0.22
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	15	0.2	0.05	0.22
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	15	0.19	0.05	0.2
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	15	0.19	0.05	0.2
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	14	0.27	0.02	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	14	0.27	0.02	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	14	0.27	0.02	0.27
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	14	0.24	0.03	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	14	0.24	0.03	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	14	0.24	0.03	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	14	0.24	0.03	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	14	0.24	0.03	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	14	0.24	0.03	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	14	0.24	0.02	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	14	0.24	0.02	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	14	0.24	0.02	0.25
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	14	0.23	0.04	0.25
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	14	0.23	0.04	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	14	0.22	0.04	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	14	0.22	0.04	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	14	0.22	0.04	0.25
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	14	0.19	0.05	0.2
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	14	0.19	0.06	0.2
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	14	0.15	0.04	0.15
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	14	0.15	0.04	0.15
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	13	0.26	0.0	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	13	0.26	0.0	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	13	0.26	0.0	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	13	0.26	0.0	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	13	0.25	0.02	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	13	0.25	0.02	0.26
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	13	0.24	0.01	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	13	0.24	0.01	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	13	0.24	0.02	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	13	0.24	0.02	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	13	0.24	0.03	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	13	0.24	0.03	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	13	0.24	0.03	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	13	0.24	0.03	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	13	0.23	0.04	0.25
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	13	0.23	0.04	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	13	0.23	0.05	0.25
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	13	0.21	0.04	0.21
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	13	0.21	0.04	0.21
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	13	0.21	0.04	0.21
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	13	0.19	0.04	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	13	0.16	0.03	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	13	0.16	0.03	0.18
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	12	0.27	0.01	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	12	0.27	0.01	0.27
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	12	0.23	0.03	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	12	0.23	0.03	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	12	0.23	0.03	0.25
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	12	0.22	0.04	0.22
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	12	0.22	0.05	0.24
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	12	0.22	0.05	0.24
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	12	0.22	0.05	0.24
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	12	0.21	0.05	0.22
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	12	0.2	0.06	0.21
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	12	0.2	0.06	0.21
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	12	0.2	0.06	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	12	0.18	0.05	0.16
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	12	0.18	0.05	0.16
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	12	0.18	0.05	0.16
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	12	0.15	0.04	0.15
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	12	0.15	0.04	0.15
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	12	0.15	0.04	0.15
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	11	0.25	0.01	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	11	0.23	0.05	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	11	0.23	0.05	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	11	0.22	0.04	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	11	0.22	0.04	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	11	0.22	0.04	0.25
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	11	0.21	0.04	0.22
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	11	0.21	0.04	0.22
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	11	0.21	0.04	0.22
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	11	0.21	0.04	0.22
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	11	0.21	0.04	0.22
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	11	0.21	0.05	0.24
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	11	0.2	0.03	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	11	0.2	0.03	0.2
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	11	0.2	0.05	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	11	0.2	0.05	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	11	0.2	0.05	0.23
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	11	0.2	0.04	0.19
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	11	0.17	0.04	0.16
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	11	0.16	0.04	0.15
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	11	0.14	0.03	0.13
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	11	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	11	0.14	0.03	0.13
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	11	0.14	0.03	0.13
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	11	0.14	0.03	0.13
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	11	0.14	0.03	0.13
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	10	0.24	0.03	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	10	0.24	0.03	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	10	0.24	0.03	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	10	0.23	0.03	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	10	0.22	0.05	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	10	0.22	0.05	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	10	0.22	0.04	0.24
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	10	0.22	0.04	0.24
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	10	0.22	0.04	0.24
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	10	0.22	0.06	0.25
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	10	0.21	0.04	0.22
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	10	0.21	0.04	0.22
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	10	0.21	0.05	0.2
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	10	0.21	0.05	0.2
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	10	0.21	0.05	0.2
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	10	0.2	0.06	0.22
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	10	0.2	0.06	0.22
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	10	0.2	0.06	0.22
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	10	0.2	0.06	0.22
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	10	0.2	0.06	0.22
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	10	0.2	0.06	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	10	0.19	0.05	0.22
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	10	0.19	0.05	0.22
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	10	0.19	0.04	0.19
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	10	0.19	0.04	0.19
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	10	0.19	0.04	0.19
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	10	0.18	0.05	0.22
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	10	0.18	0.05	0.22
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	10	0.16	0.04	0.16
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	10	0.16	0.04	0.16
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	10	0.16	0.04	0.16
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	10	0.15	0.04	0.15
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	10	0.15	0.04	0.15
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	10	0.14	0.03	0.15
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	9	0.28	0.01	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	9	0.28	0.01	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	9	0.28	0.01	0.27
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	9	0.25	0.02	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	9	0.25	0.01	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	9	0.25	0.01	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	9	0.25	0.01	0.25
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	9	0.23	0.03	0.25
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	9	0.23	0.03	0.25
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	9	0.23	0.05	0.25
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	9	0.21	0.04	0.2
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	9	0.19	0.05	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	9	0.19	0.05	0.18
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	9	0.19	0.05	0.18
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	9	0.18	0.05	0.17
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	9	0.18	0.05	0.17
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	9	0.18	0.05	0.17
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	9	0.17	0.05	0.14
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	9	0.17	0.05	0.14
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	9	0.17	0.05	0.14
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	9	0.17	0.05	0.14
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	9	0.17	0.05	0.14
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	9	0.17	0.05	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	9	0.15	0.01	0.15
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	9	0.15	0.01	0.15
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	9	0.15	0.01	0.15
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	9	0.15	0.04	0.13
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	9	0.15	0.04	0.13
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	9	0.14	0.04	0.13
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	9	0.14	0.04	0.13
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	9	0.14	0.04	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	9	0.12	0.01	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	9	0.12	0.01	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	9	0.12	0.01	0.12
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	8	0.23	0.03	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	8	0.23	0.03	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	8	0.23	0.03	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	8	0.23	0.03	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	8	0.23	0.03	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	8	0.23	0.03	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	8	0.23	0.04	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	8	0.23	0.04	0.25
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	8	0.22	0.05	0.25
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	8	0.22	0.05	0.22
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	8	0.22	0.05	0.22
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	8	0.22	0.05	0.22
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	8	0.21	0.03	0.21
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	8	0.21	0.03	0.21
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	8	0.21	0.07	0.25
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	8	0.21	0.07	0.25
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	8	0.21	0.07	0.25
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	8	0.21	0.07	0.25
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	8	0.2	0.05	0.21
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	8	0.2	0.05	0.21
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	8	0.2	0.05	0.21
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	8	0.2	0.05	0.21
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	8	0.2	0.03	0.2
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	8	0.2	0.03	0.2
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	8	0.2	0.03	0.21
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	8	0.2	0.03	0.21
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	8	0.2	0.05	0.2
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	8	0.2	0.05	0.2
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	8	0.2	0.04	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	8	0.2	0.04	0.19
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	8	0.19	0.05	0.21
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	8	0.19	0.06	0.17
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	8	0.19	0.06	0.17
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	8	0.18	0.06	0.18
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	8	0.16	0.04	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	8	0.15	0.01	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	8	0.15	0.01	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	8	0.15	0.01	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	8	0.15	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	8	0.15	0.01	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	8	0.15	0.01	0.16
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	8	0.14	0.02	0.15
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	8	0.14	0.02	0.15
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	8	0.14	0.02	0.15
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	8	0.14	0.03	0.13
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	8	0.14	0.03	0.12
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	7	0.33	0.01	0.33
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	7	0.26	0.0	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	7	0.26	0.0	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	7	0.26	0.0	0.26
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	7	0.23	0.03	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	7	0.23	0.03	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	7	0.23	0.03	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	7	0.23	0.03	0.25
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	7	0.23	0.03	0.25
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	7	0.23	0.03	0.25
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	7	0.23	0.03	0.25
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	7	0.23	0.05	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	7	0.23	0.05	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	7	0.23	0.05	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	7	0.23	0.05	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	7	0.23	0.05	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	7	0.23	0.05	0.26
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	7	0.23	0.03	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	7	0.23	0.03	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	7	0.23	0.03	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	7	0.23	0.03	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	7	0.23	0.03	0.25
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	7	0.22	0.03	0.23
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	7	0.22	0.03	0.23
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	7	0.22	0.03	0.23
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	7	0.22	0.03	0.23
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	7	0.22	0.03	0.23
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	7	0.22	0.03	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	7	0.22	0.03	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	7	0.22	0.03	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	7	0.22	0.03	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	7	0.22	0.03	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	7	0.22	0.03	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	7	0.22	0.03	0.23
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	7	0.22	0.04	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	7	0.22	0.04	0.25
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	7	0.22	0.04	0.25
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	7	0.22	0.03	0.22
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	7	0.22	0.03	0.22
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	7	0.22	0.05	0.21
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	7	0.22	0.05	0.26
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	7	0.21	0.06	0.25
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	7	0.21	0.06	0.25
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	7	0.2	0.03	0.2
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	7	0.2	0.03	0.2
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	7	0.2	0.04	0.2
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	7	0.2	0.04	0.2
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	7	0.19	0.05	0.18
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	7	0.19	0.05	0.18
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	7	0.19	0.05	0.18
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	7	0.19	0.05	0.18
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	7	0.19	0.05	0.18
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	7	0.19	0.05	0.18
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	7	0.19	0.05	0.19
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	7	0.19	0.05	0.19
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	7	0.19	0.05	0.19
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	7	0.19	0.05	0.19
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	7	0.19	0.05	0.19
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	7	0.19	0.05	0.19
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	7	0.18	0.06	0.2
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	7	0.18	0.06	0.2
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	7	0.18	0.06	0.2
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	7	0.18	0.06	0.2
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	7	0.18	0.06	0.2
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	7	0.18	0.06	0.2
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	7	0.18	0.06	0.23
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	7	0.18	0.06	0.23
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	7	0.18	0.06	0.23
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	7	0.18	0.06	0.23
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	7	0.18	0.03	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	7	0.18	0.03	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	7	0.18	0.03	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	7	0.18	0.03	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	7	0.18	0.03	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	7	0.18	0.03	0.18
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	7	0.18	0.04	0.2
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	7	0.17	0.05	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	7	0.17	0.05	0.17
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	7	0.17	0.05	0.14
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	7	0.17	0.05	0.14
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	7	0.16	0.05	0.15
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	7	0.16	0.05	0.15
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	7	0.16	0.05	0.15
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	7	0.16	0.04	0.14
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	7	0.16	0.04	0.14
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	7	0.16	0.04	0.14
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	7	0.14	0.03	0.13
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	7	0.14	0.03	0.13
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	7	0.14	0.03	0.13
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	6	0.24	0.01	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	6	0.24	0.01	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	6	0.24	0.01	0.25
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	6	0.24	0.02	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	6	0.24	0.03	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	6	0.24	0.03	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	6	0.24	0.04	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	6	0.24	0.04	0.25
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	6	0.22	0.05	0.25
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	6	0.22	0.05	0.25
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	6	0.22	0.05	0.25
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	6	0.22	0.05	0.25
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	6	0.22	0.05	0.25
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	6	0.22	0.05	0.25
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	6	0.22	0.04	0.23
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	6	0.22	0.04	0.23
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	6	0.22	0.04	0.23
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	6	0.21	0.05	0.24
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	6	0.21	0.05	0.24
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	6	0.2	0.06	0.24
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	6	0.2	0.06	0.24
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	6	0.2	0.01	0.2
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	6	0.2	0.01	0.2
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	6	0.2	0.05	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	6	0.2	0.03	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	6	0.2	0.03	0.2
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	6	0.19	0.06	0.22
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	6	0.19	0.06	0.22
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	6	0.19	0.06	0.22
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	6	0.19	0.05	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	6	0.19	0.05	0.2
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	6	0.19	0.05	0.2
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	6	0.18	0.05	0.18
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	6	0.18	0.05	0.18
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	6	0.18	0.06	0.17
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	6	0.18	0.06	0.17
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	6	0.16	0.04	0.18
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	6	0.16	0.05	0.16
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	6	0.16	0.05	0.16
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	6	0.16	0.02	0.15
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	6	0.16	0.02	0.15
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	6	0.15	0.03	0.15
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	6	0.15	0.03	0.15
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	6	0.14	0.04	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	6	0.12	0.01	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	6	0.12	0.01	0.12
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD11	5	0.28	0.0	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD12	5	0.28	0.0	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD13	5	0.28	0.0	0.28
(1,2124)	1:191:A:ARG:HD2	1:192:A:VAL:H	5	0.26	0.01	0.26
(1,2124)	1:191:A:ARG:HD3	1:192:A:VAL:H	5	0.26	0.01	0.26
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG2	5	0.25	0.0	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG3	5	0.25	0.0	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG2	5	0.25	0.0	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG3	5	0.25	0.0	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG2	5	0.25	0.0	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG3	5	0.25	0.0	0.25
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB2	5	0.24	0.05	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB3	5	0.24	0.05	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB2	5	0.24	0.05	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB3	5	0.24	0.05	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB2	5	0.24	0.05	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB3	5	0.24	0.05	0.27
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD11	5	0.24	0.02	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD12	5	0.24	0.02	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD13	5	0.24	0.02	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD21	5	0.24	0.02	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD22	5	0.24	0.02	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD23	5	0.24	0.02	0.25
(1,764)	1:162:A:GLN:H	1:162:A:GLN:HB3	5	0.24	0.01	0.24
(1,1335)	1:188:A:LYS:HD2	1:190:A:GLU:HA	5	0.23	0.04	0.25
(1,1335)	1:188:A:LYS:HD3	1:190:A:GLU:HA	5	0.23	0.04	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	5	0.22	0.05	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	5	0.22	0.05	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	5	0.22	0.05	0.25
(1,1014)	1:179:A:ASP:HB3	1:189:A:VAL:H	5	0.22	0.02	0.23
(1,183)	1:111:A:LYS:HE2	1:159:A:ASN:H	5	0.22	0.06	0.25
(1,183)	1:111:A:LYS:HE3	1:159:A:ASN:H	5	0.22	0.06	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD11	5	0.22	0.06	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD12	5	0.22	0.06	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD13	5	0.22	0.06	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD11	5	0.22	0.04	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD12	5	0.22	0.04	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD13	5	0.22	0.04	0.25
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG11	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG12	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG13	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG21	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG22	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG23	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG11	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG12	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG13	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG21	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG22	5	0.22	0.06	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG23	5	0.22	0.06	0.26
(1,718)	1:111:A:LYS:HD2	1:160:A:LEU:H	5	0.21	0.05	0.25
(1,718)	1:111:A:LYS:HD3	1:160:A:LEU:H	5	0.21	0.05	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1354)	1:174:A:MET:HE1	1:175:A:GLN:HA	5	0.2	0.01	0.21
(1,1354)	1:174:A:MET:HE2	1:175:A:GLN:HA	5	0.2	0.01	0.21
(1,1354)	1:174:A:MET:HE3	1:175:A:GLN:HA	5	0.2	0.01	0.21
(1,803)	1:164:A:LEU:HD21	1:165:A:SER:H	5	0.2	0.02	0.2
(1,803)	1:164:A:LEU:HD22	1:165:A:SER:H	5	0.2	0.02	0.2
(1,803)	1:164:A:LEU:HD23	1:165:A:SER:H	5	0.2	0.02	0.2
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG2	5	0.2	0.01	0.2
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG3	5	0.2	0.01	0.2
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG2	5	0.2	0.01	0.2
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG3	5	0.2	0.01	0.2
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG2	5	0.2	0.01	0.2
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG3	5	0.2	0.01	0.2
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG11	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG12	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG13	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG21	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG22	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG23	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG11	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG12	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG13	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG21	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG22	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG23	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG11	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG12	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG13	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG21	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG22	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG23	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG11	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG12	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG13	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG21	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG22	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG23	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG11	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG12	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG13	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG21	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG22	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG23	5	0.2	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG11	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG12	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG13	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG21	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG22	5	0.2	0.04	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG23	5	0.2	0.04	0.18
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD11	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD12	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD13	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD11	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD12	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD13	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD11	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD12	5	0.19	0.05	0.22
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD13	5	0.19	0.05	0.22
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG11	5	0.18	0.06	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG12	5	0.18	0.06	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG13	5	0.18	0.06	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG21	5	0.18	0.06	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG22	5	0.18	0.06	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG23	5	0.18	0.06	0.14
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG21	5	0.18	0.04	0.18
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG22	5	0.18	0.04	0.18
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG23	5	0.18	0.04	0.18
(1,805)	1:165:A:SER:H	1:166:A:ASP:HB2	5	0.18	0.04	0.17
(1,1805)	1:96:A:MET:HB2	1:126:A:VAL:H	5	0.18	0.05	0.19
(1,1805)	1:96:A:MET:HB3	1:126:A:VAL:H	5	0.18	0.05	0.19
(1,332)	1:127:A:GLN:H	1:187:A:ILE:HG13	5	0.17	0.03	0.18
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	5	0.17	0.05	0.18
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	5	0.17	0.05	0.18
(1,22)	1:96:A:MET:HB3	1:97:A:ARG:H	5	0.17	0.01	0.17
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB2	5	0.17	0.06	0.17
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB3	5	0.17	0.06	0.17
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB2	5	0.17	0.06	0.17
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB3	5	0.17	0.06	0.17
(1,1648)	1:140:A:ASP:HA	1:143:A:THR:HA	5	0.17	0.05	0.15
(1,1015)	1:179:A:ASP:HB2	1:189:A:VAL:H	5	0.15	0.04	0.13
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD11	5	0.15	0.05	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD12	5	0.15	0.05	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD13	5	0.15	0.05	0.12
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB1	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB2	5	0.14	0.04	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB3	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB1	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB2	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB3	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB1	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB2	5	0.14	0.04	0.13
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB3	5	0.14	0.04	0.13
(1,994)	1:178:A:LEU:H	1:178:A:LEU:HG	5	0.14	0.03	0.13
(1,811)	1:169:A:GLU:HG2	1:171:A:ALA:H	5	0.14	0.04	0.13
(1,811)	1:169:A:GLU:HG3	1:171:A:ALA:H	5	0.14	0.04	0.13
(1,1290)	1:154:A:VAL:HG11	1:155:A:LEU:HA	4	0.28	0.0	0.28
(1,1290)	1:154:A:VAL:HG12	1:155:A:LEU:HA	4	0.28	0.0	0.28
(1,1290)	1:154:A:VAL:HG13	1:155:A:LEU:HA	4	0.28	0.0	0.28
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD2	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD3	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD2	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD3	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD2	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD3	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD2	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD3	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD2	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD3	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD2	4	0.26	0.01	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD3	4	0.26	0.01	0.27
(1,378)	1:130:A:THR:H	1:131:A:LEU:HG	4	0.25	0.0	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG2	4	0.25	0.0	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG3	4	0.25	0.0	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG2	4	0.25	0.0	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG3	4	0.25	0.0	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG2	4	0.25	0.0	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG3	4	0.25	0.0	0.25
(1,1)	1:91:A:SER:HA	1:93:A:HIS:H	4	0.25	0.01	0.25
(1,1321)	1:195:A:LYS:HB2	1:196:A:ASP:HA	4	0.24	0.03	0.24
(1,1321)	1:195:A:LYS:HB3	1:196:A:ASP:HA	4	0.24	0.03	0.24
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	4	0.24	0.02	0.26
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	4	0.24	0.02	0.26
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	4	0.24	0.02	0.26
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	4	0.24	0.02	0.26
(1,1772)	1:129:A:ALA:HB1	1:133:A:VAL:HB	4	0.24	0.02	0.25
(1,1772)	1:129:A:ALA:HB2	1:133:A:VAL:HB	4	0.24	0.02	0.25
(1,1772)	1:129:A:ALA:HB3	1:133:A:VAL:HB	4	0.24	0.02	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG11	4	0.23	0.02	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG12	4	0.23	0.02	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG13	4	0.23	0.02	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG21	4	0.23	0.02	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG22	4	0.23	0.02	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG23	4	0.23	0.02	0.24
(1,1075)	1:188:A:LYS:HE2	1:189:A:VAL:H	4	0.22	0.04	0.24
(1,1075)	1:188:A:LYS:HE3	1:189:A:VAL:H	4	0.22	0.04	0.24
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB2	4	0.22	0.05	0.25
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB3	4	0.22	0.05	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB2	4	0.22	0.05	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB3	4	0.22	0.05	0.25
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG21	4	0.22	0.04	0.24
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG22	4	0.22	0.04	0.24
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG23	4	0.22	0.04	0.24
(1,1893)	1:118:A:VAL:HG11	1:152:A:ARG:H	4	0.21	0.03	0.21
(1,1893)	1:118:A:VAL:HG12	1:152:A:ARG:H	4	0.21	0.03	0.21
(1,1893)	1:118:A:VAL:HG13	1:152:A:ARG:H	4	0.21	0.03	0.21
(1,1893)	1:118:A:VAL:HG21	1:152:A:ARG:H	4	0.21	0.03	0.21
(1,1893)	1:118:A:VAL:HG22	1:152:A:ARG:H	4	0.21	0.03	0.21
(1,1893)	1:118:A:VAL:HG23	1:152:A:ARG:H	4	0.21	0.03	0.21
(1,2075)	1:162:A:GLN:HE21	1:163:A:ILE:H	4	0.21	0.04	0.22
(1,2075)	1:162:A:GLN:HE22	1:163:A:ILE:H	4	0.21	0.04	0.22
(1,669)	1:153:A:ASN:HD21	1:154:A:VAL:H	4	0.2	0.03	0.22
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG21	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG22	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG23	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG21	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG22	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG23	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG21	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG22	4	0.2	0.06	0.22
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG23	4	0.2	0.06	0.22
(1,19)	1:96:A:MET:H	1:98:A:THR:H	4	0.2	0.05	0.2
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB2	4	0.19	0.06	0.2
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB3	4	0.19	0.06	0.2
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB2	4	0.19	0.06	0.2
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB3	4	0.19	0.06	0.2
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB2	4	0.19	0.06	0.2
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB3	4	0.19	0.06	0.2
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD11	4	0.19	0.05	0.18
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD12	4	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD13	4	0.19	0.05	0.18
(1,504)	1:103:A:ILE:HD11	1:147:A:ALA:H	4	0.18	0.04	0.18
(1,504)	1:103:A:ILE:HD12	1:147:A:ALA:H	4	0.18	0.04	0.18
(1,504)	1:103:A:ILE:HD13	1:147:A:ALA:H	4	0.18	0.04	0.18
(1,934)	1:174:A:MET:HB3	1:175:A:GLN:HE21	4	0.18	0.04	0.19
(1,1612)	1:149:A:THR:HA	1:152:A:ARG:HD3	4	0.18	0.07	0.18
(1,1802)	1:96:A:MET:HB2	1:97:A:ARG:H	4	0.18	0.06	0.16
(1,1802)	1:96:A:MET:HB3	1:97:A:ARG:H	4	0.18	0.06	0.16
(1,74)	1:101:A:PHE:HB2	1:102:A:ASP:H	4	0.17	0.02	0.18
(1,74)	1:101:A:PHE:HB3	1:102:A:ASP:H	4	0.17	0.02	0.18
(1,997)	1:188:A:LYS:HD2	1:189:A:VAL:H	4	0.17	0.05	0.15
(1,997)	1:188:A:LYS:HD3	1:189:A:VAL:H	4	0.17	0.05	0.15
(1,916)	1:173:A:ASN:HA	1:173:A:ASN:HD22	4	0.17	0.05	0.17
(1,917)	1:173:A:ASN:HA	1:173:A:ASN:HD21	4	0.16	0.04	0.16
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG11	4	0.16	0.04	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG12	4	0.16	0.04	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG13	4	0.16	0.04	0.14
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG21	4	0.16	0.05	0.15
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG22	4	0.16	0.05	0.15
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG23	4	0.16	0.05	0.15
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB2	4	0.16	0.05	0.14
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB3	4	0.16	0.05	0.14
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG21	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG22	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG23	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG21	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG22	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG23	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG21	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG22	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG23	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG21	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG22	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG23	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG21	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG22	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG23	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG21	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG22	4	0.16	0.03	0.16
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG23	4	0.16	0.03	0.16
(1,482)	1:140:A:ASP:HA	1:142:A:ALA:H	4	0.16	0.06	0.13
(1,9)	1:94:A:VAL:HG11	1:96:A:MET:H	4	0.15	0.05	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,9)	1:94:A:VAL:HG12	1:96:A:MET:H	4	0.15	0.05	0.14
(1,9)	1:94:A:VAL:HG13	1:96:A:MET:H	4	0.15	0.05	0.14
(1,9)	1:94:A:VAL:HG21	1:96:A:MET:H	4	0.15	0.05	0.14
(1,9)	1:94:A:VAL:HG22	1:96:A:MET:H	4	0.15	0.05	0.14
(1,9)	1:94:A:VAL:HG23	1:96:A:MET:H	4	0.15	0.05	0.14
(1,131)	1:108:A:ILE:H	1:118:A:VAL:H	4	0.15	0.02	0.14
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG21	4	0.14	0.02	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG22	4	0.14	0.02	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG23	4	0.14	0.02	0.15
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD21	4	0.14	0.02	0.14
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD22	4	0.14	0.02	0.14
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD23	4	0.14	0.02	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD11	4	0.12	0.01	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD12	4	0.12	0.01	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD13	4	0.12	0.01	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	4	0.12	0.01	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	4	0.12	0.01	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	4	0.12	0.01	0.12
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG2	4	0.12	0.01	0.12
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG3	4	0.12	0.01	0.12
(1,105)	1:188:A:LYS:H	1:189:A:VAL:HA	4	0.12	0.01	0.12
(1,1024)	1:182:A:THR:HB	1:185:A:TRP:H	4	0.11	0.0	0.11
(1,393)	1:132:A:ALA:H	1:135:A:ASN:HD21	3	0.29	0.01	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG11	3	0.28	0.0	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG12	3	0.28	0.0	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG13	3	0.28	0.0	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG21	3	0.28	0.0	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG22	3	0.28	0.0	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG23	3	0.28	0.0	0.28
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD11	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD12	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD13	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD11	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD12	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD13	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD11	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD12	3	0.27	0.01	0.27
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD13	3	0.27	0.01	0.27
(1,2141)	1:200:A:PRO:HD2	1:201:A:VAL:H	3	0.27	0.0	0.27
(1,2141)	1:200:A:PRO:HD3	1:201:A:VAL:H	3	0.27	0.0	0.27
(1,405)	1:133:A:VAL:H	1:135:A:ASN:HD21	3	0.26	0.0	0.26
(1,459)	1:138:A:ASN:HA	1:138:A:ASN:HD22	3	0.26	0.0	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB2	3	0.26	0.01	0.26
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB3	3	0.26	0.01	0.26
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB2	3	0.26	0.01	0.26
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB3	3	0.26	0.01	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE2	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE3	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE2	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE3	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE2	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE3	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE2	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE3	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE2	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE3	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE2	3	0.26	0.0	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE3	3	0.26	0.0	0.26
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG12	3	0.26	0.0	0.26
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG13	3	0.26	0.0	0.26
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG12	3	0.26	0.0	0.26
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG13	3	0.26	0.0	0.26
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG12	3	0.26	0.0	0.26
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG13	3	0.26	0.0	0.26
(1,1688)	1:116:A:ILE:HG21	1:200:A:PRO:HB2	3	0.26	0.0	0.26
(1,1688)	1:116:A:ILE:HG22	1:200:A:PRO:HB2	3	0.26	0.0	0.26
(1,1688)	1:116:A:ILE:HG23	1:200:A:PRO:HB2	3	0.26	0.0	0.26
(1,1262)	1:159:A:ASN:HA	1:162:A:GLN:HB2	3	0.25	0.0	0.25
(1,1710)	1:138:A:ASN:HB2	1:141:A:SER:HB3	3	0.25	0.0	0.25
(1,1710)	1:138:A:ASN:HB3	1:141:A:SER:HB3	3	0.25	0.0	0.25
(1,12)	1:95:A:ASP:HB2	1:97:A:ARG:H	3	0.24	0.01	0.25
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB1	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB2	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB3	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB1	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB2	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB3	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB1	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB2	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB3	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB1	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB2	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB3	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB1	3	0.23	0.02	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB2	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB3	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB1	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB2	3	0.23	0.02	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB3	3	0.23	0.02	0.24
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD11	3	0.22	0.01	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD12	3	0.22	0.01	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD13	3	0.22	0.01	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD21	3	0.22	0.01	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD22	3	0.22	0.01	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD23	3	0.22	0.01	0.22
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG11	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG12	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG13	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG21	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG22	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG23	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG11	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG12	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG13	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG21	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG22	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG23	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG11	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG12	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG13	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG21	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG22	3	0.22	0.06	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG23	3	0.22	0.06	0.26
(1,717)	1:158:A:LYS:HG2	1:163:A:ILE:H	3	0.2	0.07	0.25
(1,717)	1:158:A:LYS:HG3	1:163:A:ILE:H	3	0.2	0.07	0.25
(1,834)	1:167:A:ARG:HB2	1:194:A:ILE:H	3	0.2	0.05	0.23
(1,834)	1:167:A:ARG:HB3	1:194:A:ILE:H	3	0.2	0.05	0.23
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD11	3	0.2	0.04	0.2
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD12	3	0.2	0.04	0.2
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD13	3	0.2	0.04	0.2
(1,1399)	1:98:A:THR:HG21	1:99:A:ILE:HA	3	0.19	0.02	0.2
(1,1399)	1:98:A:THR:HG22	1:99:A:ILE:HA	3	0.19	0.02	0.2
(1,1399)	1:98:A:THR:HG23	1:99:A:ILE:HA	3	0.19	0.02	0.2
(1,343)	1:127:A:GLN:HE22	1:183:A:ASP:HA	3	0.19	0.04	0.19
(1,37)	1:98:A:THR:HG21	1:100:A:SER:H	3	0.19	0.05	0.18
(1,37)	1:98:A:THR:HG22	1:100:A:SER:H	3	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,37)	1:98:A:THR:HG23	1:100:A:SER:H	3	0.19	0.05	0.18
(1,522)	1:140:A:ASP:HB2	1:144:A:ARG:H	3	0.19	0.03	0.2
(1,522)	1:140:A:ASP:HB3	1:144:A:ARG:H	3	0.19	0.03	0.2
(1,1167)	1:94:A:VAL:H	1:94:A:VAL:HB	3	0.19	0.07	0.16
(1,898)	1:171:A:ALA:HB1	1:194:A:ILE:H	3	0.18	0.05	0.15
(1,898)	1:171:A:ALA:HB2	1:194:A:ILE:H	3	0.18	0.05	0.15
(1,898)	1:171:A:ALA:HB3	1:194:A:ILE:H	3	0.18	0.05	0.15
(1,1378)	1:100:A:SER:HB2	1:101:A:PHE:HA	3	0.18	0.05	0.17
(1,14)	1:96:A:MET:H	1:96:A:MET:HG2	3	0.18	0.01	0.18
(1,464)	1:138:A:ASN:HD21	1:141:A:SER:HB2	3	0.18	0.05	0.16
(1,775)	1:162:A:GLN:HB2	1:164:A:LEU:H	3	0.18	0.02	0.19
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB1	3	0.18	0.02	0.17
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB2	3	0.18	0.02	0.17
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB3	3	0.18	0.02	0.17
(1,1846)	1:109:A:LEU:HD11	1:112:A:ASP:H	3	0.18	0.01	0.18
(1,1846)	1:109:A:LEU:HD12	1:112:A:ASP:H	3	0.18	0.01	0.18
(1,1846)	1:109:A:LEU:HD13	1:112:A:ASP:H	3	0.18	0.01	0.18
(1,1846)	1:109:A:LEU:HD21	1:112:A:ASP:H	3	0.18	0.01	0.18
(1,1846)	1:109:A:LEU:HD22	1:112:A:ASP:H	3	0.18	0.01	0.18
(1,1846)	1:109:A:LEU:HD23	1:112:A:ASP:H	3	0.18	0.01	0.18
(1,418)	1:134:A:ALA:HA	1:137:A:THR:H	3	0.17	0.02	0.19
(1,486)	1:140:A:ASP:HB2	1:143:A:THR:H	3	0.17	0.03	0.17
(1,486)	1:140:A:ASP:HB3	1:143:A:THR:H	3	0.17	0.03	0.17
(1,528)	1:144:A:ARG:HD2	1:145:A:LEU:H	3	0.17	0.06	0.14
(1,528)	1:144:A:ARG:HD3	1:145:A:LEU:H	3	0.17	0.06	0.14
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD21	3	0.17	0.05	0.18
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD22	3	0.17	0.05	0.18
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD23	3	0.17	0.05	0.18
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG2	3	0.17	0.07	0.12
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG3	3	0.17	0.07	0.12
(1,1361)	1:116:A:ILE:HG21	1:160:A:LEU:HA	3	0.16	0.07	0.12
(1,1361)	1:116:A:ILE:HG22	1:160:A:LEU:HA	3	0.16	0.07	0.12
(1,1361)	1:116:A:ILE:HG23	1:160:A:LEU:HA	3	0.16	0.07	0.12
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG2	3	0.16	0.04	0.13
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG3	3	0.16	0.04	0.13
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG2	3	0.16	0.04	0.13
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG3	3	0.16	0.04	0.13
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG2	3	0.16	0.04	0.13
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG3	3	0.16	0.04	0.13
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB2	3	0.16	0.07	0.12
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB3	3	0.16	0.07	0.12
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE21	3	0.16	0.05	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE22	3	0.16	0.05	0.12
(1,1736)	1:159:A:ASN:HB3	1:160:A:LEU:HB3	3	0.15	0.04	0.13
(1,1973)	1:133:A:VAL:HG11	1:135:A:ASN:H	3	0.15	0.01	0.15
(1,1973)	1:133:A:VAL:HG12	1:135:A:ASN:H	3	0.15	0.01	0.15
(1,1973)	1:133:A:VAL:HG13	1:135:A:ASN:H	3	0.15	0.01	0.15
(1,1973)	1:133:A:VAL:HG21	1:135:A:ASN:H	3	0.15	0.01	0.15
(1,1973)	1:133:A:VAL:HG22	1:135:A:ASN:H	3	0.15	0.01	0.15
(1,1973)	1:133:A:VAL:HG23	1:135:A:ASN:H	3	0.15	0.01	0.15
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE2	3	0.15	0.03	0.13
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE3	3	0.15	0.03	0.13
(1,889)	1:165:A:SER:HB3	1:166:A:ASP:H	3	0.15	0.02	0.14
(1,1436)	1:171:A:ALA:HB1	1:192:A:VAL:HA	3	0.14	0.01	0.13
(1,1436)	1:171:A:ALA:HB2	1:192:A:VAL:HA	3	0.14	0.01	0.13
(1,1436)	1:171:A:ALA:HB3	1:192:A:VAL:HA	3	0.14	0.01	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD11	3	0.12	0.01	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD12	3	0.12	0.01	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD13	3	0.12	0.01	0.13
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB2	3	0.12	0.01	0.11
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB3	3	0.12	0.01	0.11
(1,382)	1:129:A:ALA:HA	1:133:A:VAL:H	2	0.26	0.01	0.26
(1,957)	1:191:A:ARG:HD3	1:192:A:VAL:H	2	0.26	0.01	0.26
(1,1091)	1:191:A:ARG:HD2	1:192:A:VAL:H	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG21	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG22	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG23	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG21	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG22	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG23	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG21	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG22	2	0.26	0.01	0.26
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG23	2	0.26	0.01	0.26
(1,2116)	1:190:A:GLU:HA	1:191:A:ARG:HD2	2	0.26	0.01	0.26
(1,2116)	1:190:A:GLU:HA	1:191:A:ARG:HD3	2	0.26	0.01	0.26
(1,646)	1:152:A:ARG:H	1:152:A:ARG:HD3	2	0.25	0.0	0.25
(1,1883)	1:117:A:SER:HB2	1:198:A:LYS:HE2	2	0.25	0.0	0.25
(1,1883)	1:117:A:SER:HB2	1:198:A:LYS:HE3	2	0.25	0.0	0.25
(1,1883)	1:117:A:SER:HB3	1:198:A:LYS:HE2	2	0.25	0.0	0.25
(1,1883)	1:117:A:SER:HB3	1:198:A:LYS:HE3	2	0.25	0.0	0.25
(1,1609)	1:175:A:GLN:HB2	1:176:A:SER:HB2	2	0.24	0.03	0.24
(1,1609)	1:175:A:GLN:HB2	1:176:A:SER:HB3	2	0.24	0.03	0.24
(1,1875)	1:114:A:VAL:HG11	1:201:A:VAL:H	2	0.24	0.02	0.24
(1,1875)	1:114:A:VAL:HG12	1:201:A:VAL:H	2	0.24	0.02	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1875)	1:114:A:VAL:HG13	1:201:A:VAL:H	2	0.24	0.02	0.24
(1,1875)	1:114:A:VAL:HG21	1:201:A:VAL:H	2	0.24	0.02	0.24
(1,1875)	1:114:A:VAL:HG22	1:201:A:VAL:H	2	0.24	0.02	0.24
(1,1875)	1:114:A:VAL:HG23	1:201:A:VAL:H	2	0.24	0.02	0.24
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG21	2	0.22	0.02	0.22
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG22	2	0.22	0.02	0.22
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG23	2	0.22	0.02	0.22
(1,572)	1:148:A:GLN:H	1:148:A:GLN:HG2	2	0.21	0.01	0.21
(1,572)	1:148:A:GLN:H	1:148:A:GLN:HG3	2	0.21	0.01	0.21
(1,836)	1:167:A:ARG:HD2	1:194:A:ILE:H	2	0.21	0.01	0.21
(1,836)	1:167:A:ARG:HD3	1:194:A:ILE:H	2	0.21	0.01	0.21
(1,1625)	1:103:A:ILE:HG21	1:144:A:ARG:HD2	2	0.21	0.04	0.21
(1,1625)	1:103:A:ILE:HG21	1:144:A:ARG:HD3	2	0.21	0.04	0.21
(1,1625)	1:103:A:ILE:HG22	1:144:A:ARG:HD2	2	0.21	0.04	0.21
(1,1625)	1:103:A:ILE:HG22	1:144:A:ARG:HD3	2	0.21	0.04	0.21
(1,1625)	1:103:A:ILE:HG23	1:144:A:ARG:HD2	2	0.21	0.04	0.21
(1,1625)	1:103:A:ILE:HG23	1:144:A:ARG:HD3	2	0.21	0.04	0.21
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD11	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD12	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD13	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD11	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD12	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD13	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD11	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD12	2	0.21	0.05	0.21
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD13	2	0.21	0.05	0.21
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD11	2	0.21	0.04	0.21
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD12	2	0.21	0.04	0.21
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD13	2	0.21	0.04	0.21
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD21	2	0.21	0.04	0.21
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD22	2	0.21	0.04	0.21
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD23	2	0.21	0.04	0.21
(1,1794)	1:94:A:VAL:HG11	1:95:A:ASP:HB2	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG12	1:95:A:ASP:HB2	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG13	1:95:A:ASP:HB2	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG21	1:95:A:ASP:HB2	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG22	1:95:A:ASP:HB2	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	2	0.2	0.0	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1794)	1:94:A:VAL:HG23	1:95:A:ASP:HB2	2	0.2	0.0	0.2
(1,1794)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	2	0.2	0.0	0.2
(1,2121)	1:191:A:ARG:HA	1:191:A:ARG:HD2	2	0.2	0.0	0.2
(1,2121)	1:191:A:ARG:HA	1:191:A:ARG:HD3	2	0.2	0.0	0.2
(1,2080)	1:164:A:LEU:HD21	1:165:A:SER:HB2	2	0.2	0.04	0.2
(1,2080)	1:164:A:LEU:HD21	1:165:A:SER:HB3	2	0.2	0.04	0.2
(1,2080)	1:164:A:LEU:HD22	1:165:A:SER:HB2	2	0.2	0.04	0.2
(1,2080)	1:164:A:LEU:HD22	1:165:A:SER:HB3	2	0.2	0.04	0.2
(1,2080)	1:164:A:LEU:HD23	1:165:A:SER:HB2	2	0.2	0.04	0.2
(1,2080)	1:164:A:LEU:HD23	1:165:A:SER:HB3	2	0.2	0.04	0.2
(1,539)	1:145:A:LEU:HA	1:148:A:GLN:HE22	2	0.19	0.02	0.19
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD21	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD22	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD23	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD21	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD22	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD23	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD21	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD22	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD23	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD21	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD22	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD23	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD21	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD22	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD23	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD21	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD22	2	0.19	0.06	0.19
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD23	2	0.19	0.06	0.19
(1,741)	1:159:A:ASN:HD22	1:161:A:SER:HB2	2	0.18	0.04	0.18
(1,741)	1:159:A:ASN:HD22	1:161:A:SER:HB3	2	0.18	0.04	0.18
(1,645)	1:152:A:ARG:H	1:152:A:ARG:HD2	2	0.18	0.01	0.18
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB1	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB2	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB3	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB1	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB2	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB3	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB1	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB2	2	0.18	0.0	0.18
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB3	2	0.18	0.0	0.18
(1,1523)	1:146:A:LEU:HG	1:147:A:ALA:HA	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1573)	1:130:A:THR:HA	1:131:A:LEU:HG	2	0.18	0.03	0.18
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD11	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD12	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD13	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD21	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD22	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD23	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD11	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD12	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD13	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD21	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD22	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD23	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD11	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD12	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD13	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD21	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD22	2	0.18	0.06	0.18
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD23	2	0.18	0.06	0.18
(1,1990)	1:145:A:LEU:HD11	1:148:A:GLN:HE21	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD11	1:148:A:GLN:HE22	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD12	1:148:A:GLN:HE21	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD12	1:148:A:GLN:HE22	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD13	1:148:A:GLN:HE21	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD13	1:148:A:GLN:HE22	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD21	1:148:A:GLN:HE21	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD21	1:148:A:GLN:HE22	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD22	1:148:A:GLN:HE21	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD22	1:148:A:GLN:HE22	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD23	1:148:A:GLN:HE21	2	0.17	0.06	0.17
(1,1990)	1:145:A:LEU:HD23	1:148:A:GLN:HE22	2	0.17	0.06	0.17
(1,100)	1:106:A:GLN:H	1:117:A:SER:HB2	2	0.17	0.02	0.17
(1,100)	1:106:A:GLN:H	1:117:A:SER:HB3	2	0.17	0.02	0.17
(1,214)	1:117:A:SER:H	1:197:A:VAL:HA	2	0.17	0.07	0.17
(1,469)	1:139:A:ALA:H	1:141:A:SER:H	2	0.17	0.04	0.17
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG11	2	0.17	0.04	0.17
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG12	2	0.17	0.04	0.17
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG13	2	0.17	0.04	0.17
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG21	2	0.17	0.04	0.17
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG22	2	0.17	0.04	0.17
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG23	2	0.17	0.04	0.17
(1,2055)	1:155:A:LEU:HD11	1:158:A:LYS:HG2	2	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2055)	1:155:A:LEU:HD11	1:158:A:LYS:HG3	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD12	1:158:A:LYS:HG2	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD12	1:158:A:LYS:HG3	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD13	1:158:A:LYS:HG2	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD13	1:158:A:LYS:HG3	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD21	1:158:A:LYS:HG2	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD21	1:158:A:LYS:HG3	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD22	1:158:A:LYS:HG2	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD22	1:158:A:LYS:HG3	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD23	1:158:A:LYS:HG2	2	0.17	0.01	0.17
(1,2055)	1:155:A:LEU:HD23	1:158:A:LYS:HG3	2	0.17	0.01	0.17
(1,339)	1:127:A:GLN:HB2	1:188:A:LYS:H	2	0.16	0.01	0.16
(1,339)	1:127:A:GLN:HB3	1:188:A:LYS:H	2	0.16	0.01	0.16
(1,2012)	1:147:A:ALA:HB1	1:148:A:GLN:HE21	2	0.16	0.01	0.16
(1,2012)	1:147:A:ALA:HB1	1:148:A:GLN:HE22	2	0.16	0.01	0.16
(1,2012)	1:147:A:ALA:HB2	1:148:A:GLN:HE21	2	0.16	0.01	0.16
(1,2012)	1:147:A:ALA:HB2	1:148:A:GLN:HE22	2	0.16	0.01	0.16
(1,2012)	1:147:A:ALA:HB3	1:148:A:GLN:HE21	2	0.16	0.01	0.16
(1,2012)	1:147:A:ALA:HB3	1:148:A:GLN:HE22	2	0.16	0.01	0.16
(1,217)	1:117:A:SER:H	1:198:A:LYS:HG2	2	0.16	0.02	0.16
(1,217)	1:117:A:SER:H	1:198:A:LYS:HG3	2	0.16	0.02	0.16
(1,349)	1:127:A:GLN:HE21	1:188:A:LYS:HG2	2	0.16	0.03	0.16
(1,349)	1:127:A:GLN:HE21	1:188:A:LYS:HG3	2	0.16	0.03	0.16
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB1	2	0.16	0.02	0.16
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB2	2	0.16	0.02	0.16
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB3	2	0.16	0.02	0.16
(1,251)	1:121:A:VAL:H	1:195:A:LYS:H	2	0.16	0.01	0.16
(1,1388)	1:170:A:ILE:HG21	1:171:A:ALA:HA	2	0.16	0.01	0.16
(1,1388)	1:170:A:ILE:HG22	1:171:A:ALA:HA	2	0.16	0.01	0.16
(1,1388)	1:170:A:ILE:HG23	1:171:A:ALA:HA	2	0.16	0.01	0.16
(1,114)	1:107:A:GLU:H	1:107:A:GLU:HG2	2	0.15	0.0	0.15
(1,115)	1:123:A:TYR:H	1:192:A:VAL:HB	2	0.15	0.04	0.15
(1,624)	1:149:A:THR:HG21	1:151:A:LEU:H	2	0.15	0.04	0.15
(1,624)	1:149:A:THR:HG22	1:151:A:LEU:H	2	0.15	0.04	0.15
(1,624)	1:149:A:THR:HG23	1:151:A:LEU:H	2	0.15	0.04	0.15
(1,290)	1:124:A:TYR:HD1	1:190:A:GLU:H	2	0.15	0.02	0.15
(1,290)	1:124:A:TYR:HD2	1:190:A:GLU:H	2	0.15	0.02	0.15
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG21	2	0.15	0.02	0.15
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG22	2	0.15	0.02	0.15
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG23	2	0.15	0.02	0.15
(1,58)	1:100:A:SER:HB3	1:101:A:PHE:H	2	0.14	0.01	0.14
(1,1868)	1:114:A:VAL:HG11	1:160:A:LEU:HB3	2	0.14	0.01	0.14

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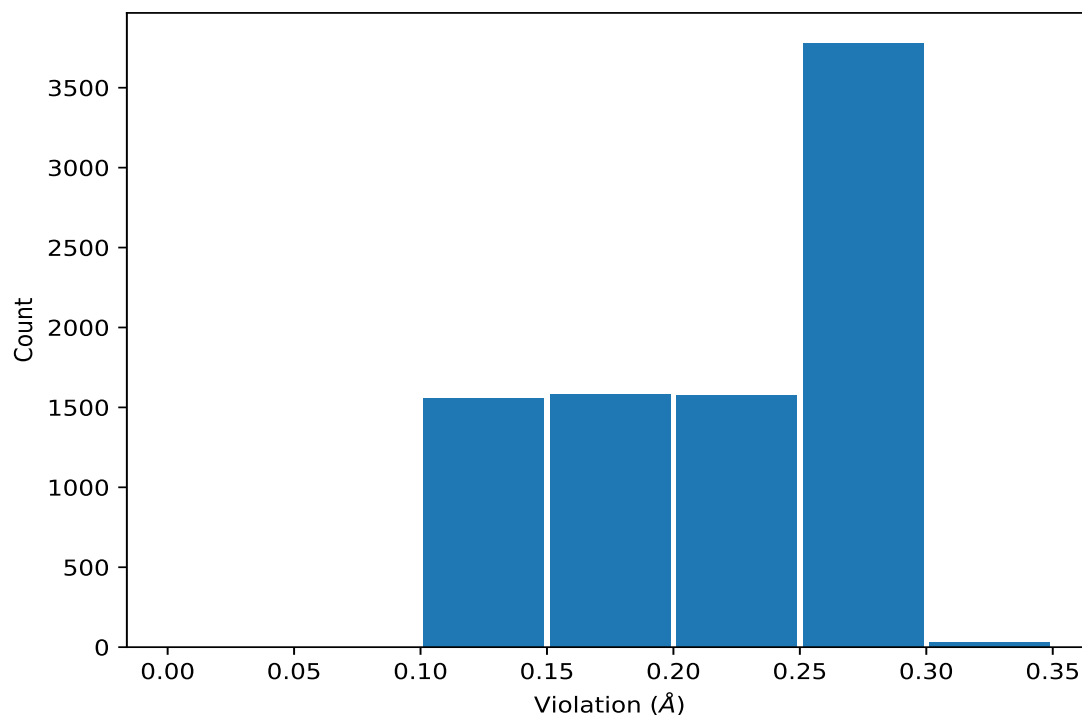
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1868)	1:114:A:VAL:HG12	1:160:A:LEU:HB3	2	0.14	0.01	0.14
(1,1868)	1:114:A:VAL:HG13	1:160:A:LEU:HB3	2	0.14	0.01	0.14
(1,1868)	1:114:A:VAL:HG21	1:160:A:LEU:HB3	2	0.14	0.01	0.14
(1,1868)	1:114:A:VAL:HG22	1:160:A:LEU:HB3	2	0.14	0.01	0.14
(1,1868)	1:114:A:VAL:HG23	1:160:A:LEU:HB3	2	0.14	0.01	0.14
(1,510)	1:143:A:THR:H	1:146:A:LEU:HB2	2	0.14	0.02	0.14
(1,937)	1:174:A:MET:HG2	1:175:A:GLN:HE21	2	0.14	0.02	0.14
(1,937)	1:174:A:MET:HG3	1:175:A:GLN:HE21	2	0.14	0.02	0.14
(1,1682)	1:158:A:LYS:HB2	1:163:A:ILE:HA	2	0.14	0.02	0.14
(1,1682)	1:158:A:LYS:HB3	1:163:A:ILE:HA	2	0.14	0.02	0.14
(1,388)	1:131:A:LEU:H	1:132:A:ALA:HA	2	0.13	0.01	0.13
(1,784)	1:158:A:LYS:HB2	1:163:A:ILE:H	2	0.13	0.01	0.13
(1,784)	1:158:A:LYS:HB3	1:163:A:ILE:H	2	0.13	0.01	0.13
(1,897)	1:171:A:ALA:HB1	1:193:A:GLU:H	2	0.12	0.02	0.12
(1,897)	1:171:A:ALA:HB2	1:193:A:GLU:H	2	0.12	0.02	0.12
(1,897)	1:171:A:ALA:HB3	1:193:A:GLU:H	2	0.12	0.02	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD11	2	0.12	0.01	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD12	2	0.12	0.01	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD13	2	0.12	0.01	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD21	2	0.12	0.01	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD22	2	0.12	0.01	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD23	2	0.12	0.01	0.12
(1,377)	1:130:A:THR:H	1:131:A:LEU:HB2	2	0.12	0.01	0.12
(1,377)	1:130:A:THR:H	1:131:A:LEU:HB3	2	0.12	0.01	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD21	2	0.12	0.0	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD22	2	0.12	0.0	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD23	2	0.12	0.0	0.12
(1,1030)	1:181:A:ALA:H	1:183:A:ASP:HB2	2	0.12	0.01	0.12
(1,1030)	1:181:A:ALA:H	1:183:A:ASP:HB3	2	0.12	0.01	0.12
(1,2044)	1:154:A:VAL:HG11	1:173:A:ASN:H	2	0.12	0.0	0.12
(1,2044)	1:154:A:VAL:HG12	1:173:A:ASN:H	2	0.12	0.0	0.12
(1,2044)	1:154:A:VAL:HG13	1:173:A:ASN:H	2	0.12	0.0	0.12
(1,2044)	1:154:A:VAL:HG21	1:173:A:ASN:H	2	0.12	0.0	0.12
(1,2044)	1:154:A:VAL:HG22	1:173:A:ASN:H	2	0.12	0.0	0.12
(1,2044)	1:154:A:VAL:HG23	1:173:A:ASN:H	2	0.12	0.0	0.12
(1,1303)	1:127:A:GLN:HG2	1:128:A:ASN:HB2	2	0.11	0.01	0.11
(1,1303)	1:127:A:GLN:HG3	1:128:A:ASN:HB2	2	0.11	0.01	0.11
(1,2148)	1:202:A:GLN:H	1:202:A:GLN:HB2	2	0.11	0.01	0.11
(1,2148)	1:202:A:GLN:H	1:202:A:GLN:HB3	2	0.11	0.01	0.11
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD11	2	0.1	0.0	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD12	2	0.1	0.0	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD13	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	5	0.34
(1,1183)	1:163:A:ILE:HG21	1:163:A:ILE:HD11	8	0.33
(1,1183)	1:163:A:ILE:HG21	1:163:A:ILE:HD12	8	0.33
(1,1183)	1:163:A:ILE:HG21	1:163:A:ILE:HD13	8	0.33
(1,1183)	1:163:A:ILE:HG22	1:163:A:ILE:HD11	8	0.33
(1,1183)	1:163:A:ILE:HG22	1:163:A:ILE:HD12	8	0.33
(1,1183)	1:163:A:ILE:HG22	1:163:A:ILE:HD13	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:163:A:ILE:HG23	1:163:A:ILE:HD11	8	0.33
(1,1183)	1:163:A:ILE:HG23	1:163:A:ILE:HD12	8	0.33
(1,1183)	1:163:A:ILE:HG23	1:163:A:ILE:HD13	8	0.33
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	4	0.33
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	6	0.33
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	16	0.33
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	20	0.33
(1,766)	1:162:A:GLN:H	1:163:A:ILE:HD11	8	0.32
(1,766)	1:162:A:GLN:H	1:163:A:ILE:HD12	8	0.32
(1,766)	1:162:A:GLN:H	1:163:A:ILE:HD13	8	0.32
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	9	0.32
(1,5)	1:195:A:LYS:H	1:196:A:ASP:H	19	0.32
(1,798)	1:163:A:ILE:HG21	1:164:A:LEU:H	8	0.31
(1,798)	1:163:A:ILE:HG22	1:164:A:LEU:H	8	0.31
(1,798)	1:163:A:ILE:HG23	1:164:A:LEU:H	8	0.31
(1,393)	1:132:A:ALA:H	1:135:A:ASN:HD21	3	0.31
(1,1365)	1:163:A:ILE:HG12	1:164:A:LEU:HA	8	0.3
(1,1365)	1:163:A:ILE:HG13	1:164:A:LEU:HA	8	0.3
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	8	0.3
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	8	0.3
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	8	0.3
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	18	0.3
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	18	0.3
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	18	0.3
(1,1904)	1:121:A:VAL:H	1:122:A:VAL:HG11	18	0.29
(1,1904)	1:121:A:VAL:H	1:122:A:VAL:HG12	18	0.29
(1,1904)	1:121:A:VAL:H	1:122:A:VAL:HG13	18	0.29
(1,1904)	1:121:A:VAL:H	1:122:A:VAL:HG21	18	0.29
(1,1904)	1:121:A:VAL:H	1:122:A:VAL:HG22	18	0.29
(1,1904)	1:121:A:VAL:H	1:122:A:VAL:HG23	18	0.29
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	11	0.29
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	11	0.29
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	11	0.29
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	11	0.29
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	11	0.29
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	11	0.29
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	11	0.29
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	11	0.29
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	11	0.29
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	11	0.29
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	11	0.29
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	11	0.29
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	11	0.29
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	11	0.29
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	11	0.29
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	11	0.29
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	11	0.29
(1,1767)	1:148:A:GLN:HB2	1:149:A:THR:HG21	11	0.29
(1,1767)	1:148:A:GLN:HB2	1:149:A:THR:HG22	11	0.29
(1,1767)	1:148:A:GLN:HB2	1:149:A:THR:HG23	11	0.29
(1,1767)	1:148:A:GLN:HB3	1:149:A:THR:HG21	11	0.29
(1,1767)	1:148:A:GLN:HB3	1:149:A:THR:HG22	11	0.29
(1,1767)	1:148:A:GLN:HB3	1:149:A:THR:HG23	11	0.29
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD11	8	0.29
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD12	8	0.29
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD13	8	0.29
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	7	0.29
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	7	0.29
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	7	0.29
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	9	0.29
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	9	0.29
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	9	0.29
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	3	0.29
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	3	0.29
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	3	0.29
(1,1290)	1:154:A:VAL:HG11	1:155:A:LEU:HA	5	0.29
(1,1290)	1:154:A:VAL:HG12	1:155:A:LEU:HA	5	0.29
(1,1290)	1:154:A:VAL:HG13	1:155:A:LEU:HA	5	0.29
(1,1127)	1:201:A:VAL:H	1:201:A:VAL:HB	3	0.29
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	8	0.29
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	13	0.28
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	13	0.28
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	20	0.28
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	20	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG11	7	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG12	7	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG13	7	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG21	7	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG22	7	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG23	7	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG11	13	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG12	13	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG13	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG21	13	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG22	13	0.28
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG23	13	0.28
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	9	0.28
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	9	0.28
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	9	0.28
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	9	0.28
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	9	0.28
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	9	0.28
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	9	0.28
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	9	0.28
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	9	0.28
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	9	0.28
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	9	0.28
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	9	0.28
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	9	0.28
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	9	0.28
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	9	0.28
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	9	0.28
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	9	0.28
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	9	0.28
(1,1802)	1:96:A:MET:HB2	1:97:A:ARG:H	5	0.28
(1,1802)	1:96:A:MET:HB3	1:97:A:ARG:H	5	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD11	2	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD12	2	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD13	2	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD11	3	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD12	3	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD13	3	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD11	6	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD12	6	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD13	6	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD11	14	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD12	14	0.28
(1,1766)	1:164:A:LEU:HB3	1:164:A:LEU:HD13	14	0.28
(1,1430)	1:154:A:VAL:HG21	1:155:A:LEU:HA	8	0.28
(1,1430)	1:154:A:VAL:HG22	1:155:A:LEU:HA	8	0.28
(1,1430)	1:154:A:VAL:HG23	1:155:A:LEU:HA	8	0.28
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD11	18	0.28
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD12	18	0.28
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD13	18	0.28
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD11	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD12	18	0.28
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD13	18	0.28
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD11	18	0.28
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD12	18	0.28
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD13	18	0.28
(1,1321)	1:195:A:LYS:HB2	1:196:A:ASP:HA	14	0.28
(1,1321)	1:195:A:LYS:HB3	1:196:A:ASP:HA	14	0.28
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	2	0.28
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	2	0.28
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	2	0.28
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	10	0.28
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	10	0.28
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	10	0.28
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	14	0.28
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	14	0.28
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	14	0.28
(1,1290)	1:154:A:VAL:HG11	1:155:A:LEU:HA	12	0.28
(1,1290)	1:154:A:VAL:HG12	1:155:A:LEU:HA	12	0.28
(1,1290)	1:154:A:VAL:HG13	1:155:A:LEU:HA	12	0.28
(1,1290)	1:154:A:VAL:HG11	1:155:A:LEU:HA	13	0.28
(1,1290)	1:154:A:VAL:HG12	1:155:A:LEU:HA	13	0.28
(1,1290)	1:154:A:VAL:HG13	1:155:A:LEU:HA	13	0.28
(1,1290)	1:154:A:VAL:HG11	1:155:A:LEU:HA	14	0.28
(1,1290)	1:154:A:VAL:HG12	1:155:A:LEU:HA	14	0.28
(1,1290)	1:154:A:VAL:HG13	1:155:A:LEU:HA	14	0.28
(1,1167)	1:94:A:VAL:H	1:94:A:VAL:HB	7	0.28
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	3	0.28
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	11	0.28
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	13	0.28
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	13	0.28
(1,393)	1:132:A:ALA:H	1:135:A:ASN:HD21	15	0.28
(1,393)	1:132:A:ALA:H	1:135:A:ASN:HD21	16	0.28
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	10	0.28
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	11	0.28
(1,2141)	1:200:A:PRO:HD2	1:201:A:VAL:H	7	0.27
(1,2141)	1:200:A:PRO:HD3	1:201:A:VAL:H	7	0.27
(1,2141)	1:200:A:PRO:HD2	1:201:A:VAL:H	8	0.27
(1,2141)	1:200:A:PRO:HD3	1:201:A:VAL:H	8	0.27
(1,2141)	1:200:A:PRO:HD2	1:201:A:VAL:H	10	0.27
(1,2141)	1:200:A:PRO:HD3	1:201:A:VAL:H	10	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG11	7	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG12	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG13	7	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG21	7	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG22	7	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG23	7	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG11	7	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG12	7	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG13	7	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG21	7	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG22	7	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG23	7	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG11	10	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG12	10	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG13	10	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG21	10	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG22	10	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG23	10	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG11	10	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG12	10	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG13	10	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG21	10	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG22	10	0.27
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG23	10	0.27
(1,2124)	1:191:A:ARG:HD2	1:192:A:VAL:H	3	0.27
(1,2124)	1:191:A:ARG:HD3	1:192:A:VAL:H	3	0.27
(1,2124)	1:191:A:ARG:HD2	1:192:A:VAL:H	7	0.27
(1,2124)	1:191:A:ARG:HD3	1:192:A:VAL:H	7	0.27
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	2	0.27
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	2	0.27
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	3	0.27
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	3	0.27
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	14	0.27
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	14	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD2	12	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD3	12	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD2	12	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD3	12	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD2	12	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD3	12	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD2	12	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD3	12	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD2	12	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD2	12	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD3	12	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD2	13	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD3	13	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD2	13	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD3	13	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD2	13	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD3	13	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD2	13	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD3	13	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD2	13	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD3	13	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD2	13	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD3	13	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD2	14	0.27
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD3	14	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD2	14	0.27
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD3	14	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD2	14	0.27
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD3	14	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD2	14	0.27
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD3	14	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD2	14	0.27
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD3	14	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD2	14	0.27
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD3	14	0.27
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG11	17	0.27
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG12	17	0.27
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG13	17	0.27
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG21	17	0.27
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG22	17	0.27
(1,1964)	1:131:A:LEU:H	1:133:A:VAL:HG23	17	0.27
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	17	0.27
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	17	0.27
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	16	0.27
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	16	0.27
(1,1899)	1:119:A:ASP:HB3	1:197:A:VAL:HG11	13	0.27
(1,1899)	1:119:A:ASP:HB3	1:197:A:VAL:HG12	13	0.27
(1,1899)	1:119:A:ASP:HB3	1:197:A:VAL:HG13	13	0.27
(1,1899)	1:119:A:ASP:HB3	1:197:A:VAL:HG21	13	0.27
(1,1899)	1:119:A:ASP:HB3	1:197:A:VAL:HG22	13	0.27
(1,1899)	1:119:A:ASP:HB3	1:197:A:VAL:HG23	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	1	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	1	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	1	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	1	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	1	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	1	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	1	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	1	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	1	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	1	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	1	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	1	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	1	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	1	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	1	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	1	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	1	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	1	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	3	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	3	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	3	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	3	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	3	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	3	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	3	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	3	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	3	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	3	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	3	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	3	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	3	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	3	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	3	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	3	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	3	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	3	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	4	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	4	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	4	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	4	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	4	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	4	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	4	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	4	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	4	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	4	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	4	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	4	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	4	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	4	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	4	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	4	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	4	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	7	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	7	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	7	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	7	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	7	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	7	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	7	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	7	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	7	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	7	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	7	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	7	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	7	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	7	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	7	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	7	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	7	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	7	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	10	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	10	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	10	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	10	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	10	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	10	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	10	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	10	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	10	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	10	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	10	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	10	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	10	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	10	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	10	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	10	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	10	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	12	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	12	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	12	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	12	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	12	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	12	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	12	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	12	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	12	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	12	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	12	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	12	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	12	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	12	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	12	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	12	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	12	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	12	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	16	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	16	0.27
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	16	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	16	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	16	0.27
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	16	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	16	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	16	0.27
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	16	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	16	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	16	0.27
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	16	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	16	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	16	0.27
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	16	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	16	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	16	0.27
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	8	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	8	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	8	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	8	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	8	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	8	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	14	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	14	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	14	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	14	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	14	0.27
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	14	0.27
(1,1734)	1:145:A:LEU:HB2	1:148:A:GLN:HB2	11	0.27
(1,1734)	1:145:A:LEU:HB2	1:148:A:GLN:HB3	11	0.27
(1,1734)	1:145:A:LEU:HB3	1:148:A:GLN:HB2	11	0.27
(1,1734)	1:145:A:LEU:HB3	1:148:A:GLN:HB3	11	0.27
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	11	0.27
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	11	0.27
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	11	0.27
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	15	0.27
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	15	0.27
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	15	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB2	5	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB3	5	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB2	5	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB3	5	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB2	5	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB3	5	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB2	6	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB3	6	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB2	6	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB3	6	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB2	6	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB3	6	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB2	20	0.27
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB3	20	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB2	20	0.27
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB3	20	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB2	20	0.27
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB3	20	0.27
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	12	0.27
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	12	0.27
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	12	0.27
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	12	0.27
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	12	0.27
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	6	0.27
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	6	0.27
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	6	0.27
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	6	0.27
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	6	0.27
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	6	0.27
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	6	0.27
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	6	0.27
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	6	0.27
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	17	0.27
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	17	0.27
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	17	0.27
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	17	0.27
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	17	0.27
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	17	0.27
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	17	0.27
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	17	0.27
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	17	0.27
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB2	14	0.27
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB3	14	0.27
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB2	14	0.27
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB3	14	0.27
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD11	3	0.27
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD12	3	0.27
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD13	3	0.27
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD11	3	0.27
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD12	3	0.27
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD13	3	0.27
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD11	3	0.27
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD12	3	0.27
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD13	3	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	5	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	5	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	5	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	8	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	8	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	8	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	11	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	11	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	13	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	13	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	13	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	14	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	14	0.27
(1,1307)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	14	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	1	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	1	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	1	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	2	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	2	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	2	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	10	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	10	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	10	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	11	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	11	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	11	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	17	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	17	0.27
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	17	0.27
(1,1201)	1:105:A:PRO:HG2	1:119:A:ASP:HB2	13	0.27
(1,1201)	1:105:A:PRO:HG3	1:119:A:ASP:HB2	13	0.27
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	5	0.27
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	19	0.27
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	19	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	1	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	1	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	1	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	7	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	7	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	7	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	11	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	11	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	11	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	15	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	15	0.27
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	15	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	2	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	2	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	4	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	4	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	4	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	8	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	8	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	8	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	11	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	11	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	11	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	14	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	14	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	14	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	16	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	16	0.27
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	16	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	1	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	1	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	3	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	3	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	5	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	5	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	7	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	7	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	9	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	9	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	10	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	10	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	15	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	15	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	17	0.27
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	17	0.27
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	10	0.27
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	2	0.27
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	11	0.27
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	7	0.27
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	18	0.27
(1,205)	1:116:A:ILE:H	1:116:A:ILE:HD11	2	0.27
(1,205)	1:116:A:ILE:H	1:116:A:ILE:HD12	2	0.27
(1,205)	1:116:A:ILE:H	1:116:A:ILE:HD13	2	0.27
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	14	0.27
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	5	0.27
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	5	0.27
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	5	0.27
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	20	0.27
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	20	0.27
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	20	0.27
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG11	8	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG12	8	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG13	8	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG21	8	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG22	8	0.26
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG23	8	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG11	8	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG12	8	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG13	8	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG21	8	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG22	8	0.26
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG23	8	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG11	9	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG12	9	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG13	9	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG21	9	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG22	9	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG23	9	0.26
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	2	0.26
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	2	0.26
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	2	0.26
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	2	0.26
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	14	0.26
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	14	0.26
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	14	0.26
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	14	0.26
(1,2124)	1:191:A:ARG:HD2	1:192:A:VAL:H	10	0.26
(1,2124)	1:191:A:ARG:HD3	1:192:A:VAL:H	10	0.26
(1,2124)	1:191:A:ARG:HD2	1:192:A:VAL:H	16	0.26
(1,2124)	1:191:A:ARG:HD3	1:192:A:VAL:H	16	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	6	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	6	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	9	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	9	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	12	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	15	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	15	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	16	0.26
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	16	0.26
(1,2116)	1:190:A:GLU:HA	1:191:A:ARG:HD2	18	0.26
(1,2116)	1:190:A:GLU:HA	1:191:A:ARG:HD3	18	0.26
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	4	0.26
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	4	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG11	8	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG12	8	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG13	8	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG21	8	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG22	8	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG23	8	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG11	8	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG12	8	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG13	8	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG21	8	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG22	8	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG23	8	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG11	8	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG12	8	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG13	8	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG21	8	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG22	8	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG23	8	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG11	20	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG12	20	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG13	20	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG21	20	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG22	20	0.26
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG23	20	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG11	20	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG12	20	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG13	20	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG21	20	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG22	20	0.26
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG23	20	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG11	20	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG12	20	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG13	20	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG21	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG22	20	0.26
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG23	20	0.26
(1,2076)	1:163:A:ILE:H	1:165:A:SER:HB2	6	0.26
(1,2076)	1:163:A:ILE:H	1:165:A:SER:HB3	6	0.26
(1,2058)	1:155:A:LEU:HD11	1:163:A:ILE:HG12	8	0.26
(1,2058)	1:155:A:LEU:HD11	1:163:A:ILE:HG13	8	0.26
(1,2058)	1:155:A:LEU:HD12	1:163:A:ILE:HG12	8	0.26
(1,2058)	1:155:A:LEU:HD12	1:163:A:ILE:HG13	8	0.26
(1,2058)	1:155:A:LEU:HD13	1:163:A:ILE:HG12	8	0.26
(1,2058)	1:155:A:LEU:HD13	1:163:A:ILE:HG13	8	0.26
(1,2058)	1:155:A:LEU:HD21	1:163:A:ILE:HG12	8	0.26
(1,2058)	1:155:A:LEU:HD21	1:163:A:ILE:HG13	8	0.26
(1,2058)	1:155:A:LEU:HD22	1:163:A:ILE:HG12	8	0.26
(1,2058)	1:155:A:LEU:HD22	1:163:A:ILE:HG13	8	0.26
(1,2058)	1:155:A:LEU:HD23	1:163:A:ILE:HG12	8	0.26
(1,2058)	1:155:A:LEU:HD23	1:163:A:ILE:HG13	8	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE2	12	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE3	12	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE2	12	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE3	12	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE2	12	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE3	12	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE2	12	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE3	12	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE2	12	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE3	12	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE2	12	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE3	12	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE2	13	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE3	13	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE2	13	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE3	13	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE2	13	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE3	13	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE2	13	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE3	13	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE2	13	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE3	13	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE2	13	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE3	13	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE2	14	0.26
(1,2039)	1:154:A:VAL:HG11	1:158:A:LYS:HE3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE2	14	0.26
(1,2039)	1:154:A:VAL:HG12	1:158:A:LYS:HE3	14	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE2	14	0.26
(1,2039)	1:154:A:VAL:HG13	1:158:A:LYS:HE3	14	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE2	14	0.26
(1,2039)	1:154:A:VAL:HG21	1:158:A:LYS:HE3	14	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE2	14	0.26
(1,2039)	1:154:A:VAL:HG22	1:158:A:LYS:HE3	14	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE2	14	0.26
(1,2039)	1:154:A:VAL:HG23	1:158:A:LYS:HE3	14	0.26
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	10	0.26
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	10	0.26
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	11	0.26
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	11	0.26
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD11	3	0.26
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD12	3	0.26
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD13	3	0.26
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD21	3	0.26
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD22	3	0.26
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD23	3	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	1	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	1	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	3	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	3	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	4	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	4	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	5	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	5	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	6	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	6	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	7	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	7	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	9	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	9	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	10	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	10	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	12	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	12	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	15	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	15	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	16	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	18	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	18	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	19	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	19	0.26
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	20	0.26
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	20	0.26
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	15	0.26
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	15	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	8	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	8	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	8	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	8	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	8	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	8	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	8	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	8	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	8	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	8	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	8	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	8	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	10	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	10	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	10	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	10	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	10	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	10	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	10	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	10	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	10	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	10	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	10	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	10	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	11	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	11	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	11	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	11	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	11	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	11	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	11	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	11	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	11	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	11	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	11	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	14	0.26
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	14	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	14	0.26
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	14	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	14	0.26
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	14	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	14	0.26
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	14	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	14	0.26
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	14	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	14	0.26
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	14	0.26
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	8	0.26
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	8	0.26
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	8	0.26
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	8	0.26
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	8	0.26
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	8	0.26
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	10	0.26
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	10	0.26
(1,1893)	1:118:A:VAL:HG11	1:152:A:ARG:H	13	0.26
(1,1893)	1:118:A:VAL:HG12	1:152:A:ARG:H	13	0.26
(1,1893)	1:118:A:VAL:HG13	1:152:A:ARG:H	13	0.26
(1,1893)	1:118:A:VAL:HG21	1:152:A:ARG:H	13	0.26
(1,1893)	1:118:A:VAL:HG22	1:152:A:ARG:H	13	0.26
(1,1893)	1:118:A:VAL:HG23	1:152:A:ARG:H	13	0.26
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	9	0.26
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	9	0.26
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	9	0.26
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	9	0.26
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	9	0.26
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	9	0.26
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG11	8	0.26
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG12	8	0.26
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG13	8	0.26
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG21	8	0.26
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG22	8	0.26
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG23	8	0.26
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG11	8	0.26
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG12	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG13	8	0.26
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG21	8	0.26
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG22	8	0.26
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG23	8	0.26
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG11	8	0.26
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG12	8	0.26
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG13	8	0.26
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG21	8	0.26
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG22	8	0.26
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG23	8	0.26
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG11	8	0.26
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG12	8	0.26
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG13	8	0.26
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG21	8	0.26
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG22	8	0.26
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG23	8	0.26
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG11	8	0.26
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG12	8	0.26
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG13	8	0.26
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG21	8	0.26
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG22	8	0.26
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG23	8	0.26
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG11	8	0.26
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG12	8	0.26
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG13	8	0.26
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG21	8	0.26
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG22	8	0.26
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG23	8	0.26
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	2	0.26
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	2	0.26
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	2	0.26
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	2	0.26
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	2	0.26
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	2	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	2	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	2	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	2	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	2	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	2	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	2	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	2	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	2	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	2	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	2	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	2	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	2	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	2	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	2	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	2	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	2	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	2	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	6	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	6	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	6	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	6	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	6	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	6	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	6	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	6	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	6	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	6	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	6	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	6	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	6	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	6	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	6	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	6	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	6	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	6	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG21	15	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG22	15	0.26
(1,1865)	1:114:A:VAL:HG11	1:115:A:THR:HG23	15	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG21	15	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG22	15	0.26
(1,1865)	1:114:A:VAL:HG12	1:115:A:THR:HG23	15	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG21	15	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG22	15	0.26
(1,1865)	1:114:A:VAL:HG13	1:115:A:THR:HG23	15	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG21	15	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG22	15	0.26
(1,1865)	1:114:A:VAL:HG21	1:115:A:THR:HG23	15	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG21	15	0.26
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG22	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:114:A:VAL:HG22	1:115:A:THR:HG23	15	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG21	15	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG22	15	0.26
(1,1865)	1:114:A:VAL:HG23	1:115:A:THR:HG23	15	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	4	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	4	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	5	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	5	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	7	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	7	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	9	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	9	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	10	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	10	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	19	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	19	0.26
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	20	0.26
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	20	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	2	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	2	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	2	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	2	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	2	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	2	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	15	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	15	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	15	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	15	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	15	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	15	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	17	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	17	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	17	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	17	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	17	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	17	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	18	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	18	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	18	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	18	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	18	0.26
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD11	2	0.26
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD12	2	0.26
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD13	2	0.26
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD11	2	0.26
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD12	2	0.26
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD13	2	0.26
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD11	2	0.26
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD12	2	0.26
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD13	2	0.26
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	5	0.26
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	5	0.26
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	5	0.26
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	16	0.26
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	16	0.26
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	16	0.26
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	1	0.26
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	1	0.26
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	1	0.26
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG2	19	0.26
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG3	19	0.26
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG2	19	0.26
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG3	19	0.26
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG2	19	0.26
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG3	19	0.26
(1,1751)	1:103:A:ILE:HG21	1:148:A:GLN:HG2	11	0.26
(1,1751)	1:103:A:ILE:HG21	1:148:A:GLN:HG3	11	0.26
(1,1751)	1:103:A:ILE:HG22	1:148:A:GLN:HG2	11	0.26
(1,1751)	1:103:A:ILE:HG22	1:148:A:GLN:HG3	11	0.26
(1,1751)	1:103:A:ILE:HG23	1:148:A:GLN:HG2	11	0.26
(1,1751)	1:103:A:ILE:HG23	1:148:A:GLN:HG3	11	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	12	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	12	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	12	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	14	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	14	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	14	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	15	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	15	0.26
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	15	0.26
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	4	0.26
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	9	0.26
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	16	0.26
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	16	0.26
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	17	0.26
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	17	0.26
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	17	0.26
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	7	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	1	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	1	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	1	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	2	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	2	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	2	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	3	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	3	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	3	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	6	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	6	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	6	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	7	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	7	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	7	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	9	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	9	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	9	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	10	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	10	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	10	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	12	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	12	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	12	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	13	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	13	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	13	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	14	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	14	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	14	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	17	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	17	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	17	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	18	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	18	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	19	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	19	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	19	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	20	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	20	0.26
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	20	0.26
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	19	0.26
(1,1688)	1:116:A:ILE:HG21	1:200:A:PRO:HB2	2	0.26
(1,1688)	1:116:A:ILE:HG22	1:200:A:PRO:HB2	2	0.26
(1,1688)	1:116:A:ILE:HG23	1:200:A:PRO:HB2	2	0.26
(1,1688)	1:116:A:ILE:HG21	1:200:A:PRO:HB2	17	0.26
(1,1688)	1:116:A:ILE:HG22	1:200:A:PRO:HB2	17	0.26
(1,1688)	1:116:A:ILE:HG23	1:200:A:PRO:HB2	17	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	1	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	1	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	1	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	1	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	1	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	1	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	8	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	8	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	8	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	8	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	8	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	8	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	15	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	15	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	15	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	15	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	15	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	15	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	18	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	18	0.26
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	18	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	18	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	18	0.26
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	18	0.26
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB2	13	0.26
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB3	13	0.26
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB2	13	0.26
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB3	13	0.26
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB3	13	0.26
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG12	13	0.26
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG13	13	0.26
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG12	13	0.26
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG13	13	0.26
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG12	13	0.26
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG13	13	0.26
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG12	14	0.26
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG13	14	0.26
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG12	14	0.26
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG13	14	0.26
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG12	14	0.26
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG13	14	0.26
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	5	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	5	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	5	0.26
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	8	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	8	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	8	0.26
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	10	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	10	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	10	0.26
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	13	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	13	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	13	0.26
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	18	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	18	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	18	0.26
(1,1632)	1:143:A:THR:HG21	1:178:A:LEU:HG	20	0.26
(1,1632)	1:143:A:THR:HG22	1:178:A:LEU:HG	20	0.26
(1,1632)	1:143:A:THR:HG23	1:178:A:LEU:HG	20	0.26
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG2	13	0.26
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG3	13	0.26
(1,1609)	1:175:A:GLN:HB2	1:176:A:SER:HB2	6	0.26
(1,1609)	1:175:A:GLN:HB2	1:176:A:SER:HB3	6	0.26
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	13	0.26
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	13	0.26
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	15	0.26
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	15	0.26
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	20	0.26
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	20	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	2	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	2	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	5	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	5	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	5	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	9	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	9	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	9	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	10	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	10	0.26
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	10	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	1	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	1	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	1	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	1	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	2	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	2	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	2	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	2	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	4	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	4	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	4	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	4	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	5	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	5	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	5	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	5	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	6	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	6	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	6	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	6	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	8	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	8	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	8	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	8	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	9	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	9	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	9	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	9	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	13	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	13	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	13	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	14	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	14	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	14	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	14	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	18	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	18	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	18	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	18	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	19	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	19	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	19	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	19	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	20	0.26
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	20	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	20	0.26
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	20	0.26
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	17	0.26
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	17	0.26
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	17	0.26
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	17	0.26
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	17	0.26
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	17	0.26
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	17	0.26
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	17	0.26
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	17	0.26
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	10	0.26
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	10	0.26
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	10	0.26
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	9	0.26
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	9	0.26
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	9	0.26
(1,1511)	1:94:A:VAL:HG11	1:95:A:ASP:HB2	7	0.26
(1,1511)	1:94:A:VAL:HG12	1:95:A:ASP:HB2	7	0.26
(1,1511)	1:94:A:VAL:HG13	1:95:A:ASP:HB2	7	0.26
(1,1511)	1:94:A:VAL:HG21	1:95:A:ASP:HB2	7	0.26
(1,1511)	1:94:A:VAL:HG22	1:95:A:ASP:HB2	7	0.26
(1,1511)	1:94:A:VAL:HG23	1:95:A:ASP:HB2	7	0.26
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	11	0.26
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	11	0.26
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	11	0.26
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	14	0.26
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	14	0.26
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG21	17	0.26
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG22	17	0.26
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG23	17	0.26
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG21	17	0.26
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG22	17	0.26
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG23	17	0.26
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG21	17	0.26
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG22	17	0.26
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG23	17	0.26
(1,1482)	1:103:A:ILE:HD11	1:151:A:LEU:HD21	19	0.26
(1,1482)	1:103:A:ILE:HD11	1:151:A:LEU:HD22	19	0.26
(1,1482)	1:103:A:ILE:HD11	1:151:A:LEU:HD23	19	0.26
(1,1482)	1:103:A:ILE:HD12	1:151:A:LEU:HD21	19	0.26
(1,1482)	1:103:A:ILE:HD12	1:151:A:LEU:HD22	19	0.26
(1,1482)	1:103:A:ILE:HD12	1:151:A:LEU:HD23	19	0.26
(1,1482)	1:103:A:ILE:HD13	1:151:A:LEU:HD21	19	0.26
(1,1482)	1:103:A:ILE:HD13	1:151:A:LEU:HD22	19	0.26
(1,1482)	1:103:A:ILE:HD13	1:151:A:LEU:HD23	19	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	3	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	3	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	3	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	3	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	3	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	3	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	3	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	3	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	3	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	7	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	7	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	7	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	7	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	7	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	7	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	7	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	7	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	7	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	10	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	10	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	10	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	10	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	10	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	10	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	10	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	10	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	15	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	15	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	15	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	15	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	15	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	15	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	15	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	15	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	15	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	18	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	18	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	18	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	18	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	18	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	18	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	18	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	18	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	18	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	20	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	20	0.26
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	20	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	20	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	20	0.26
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	20	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	20	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	20	0.26
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	20	0.26
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	9	0.26
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	9	0.26
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	9	0.26
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	9	0.26
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	9	0.26
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	9	0.26
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	14	0.26
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	14	0.26
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	14	0.26
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	14	0.26
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	14	0.26
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	8	0.26
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	8	0.26
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	8	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	5	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	5	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	5	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	8	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	8	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	8	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	10	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	10	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	10	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	13	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	13	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	13	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	15	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	15	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	15	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	20	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	20	0.26
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	20	0.26
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB2	18	0.26
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB3	18	0.26
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB2	18	0.26
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB3	18	0.26
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB2	6	0.26
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB3	6	0.26
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB2	6	0.26
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB3	6	0.26
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	11	0.26
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	11	0.26
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	11	0.26
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	11	0.26
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	12	0.26
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	12	0.26
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	12	0.26
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	12	0.26
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	15	0.26
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	15	0.26
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	15	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	5	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	5	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	5	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	5	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	5	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	5	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	15	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	15	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	15	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	15	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	15	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	15	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	18	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	18	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	18	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	18	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	18	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	18	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	20	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	20	0.26
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	20	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	20	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	20	0.26
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	20	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	2	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	2	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	2	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	11	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	11	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	11	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	13	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	13	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	13	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	20	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	20	0.26
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	20	0.26
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	5	0.26
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	5	0.26
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	5	0.26
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	8	0.26
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	8	0.26
(1,1361)	1:116:A:ILE:HG21	1:160:A:LEU:HA	8	0.26
(1,1361)	1:116:A:ILE:HG22	1:160:A:LEU:HA	8	0.26
(1,1361)	1:116:A:ILE:HG23	1:160:A:LEU:HA	8	0.26
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD11	8	0.26
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD12	8	0.26
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD13	8	0.26
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	18	0.26
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	18	0.26
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	18	0.26
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	18	0.26
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	18	0.26
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	18	0.26
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	18	0.26
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	18	0.26
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	18	0.26
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD11	8	0.26
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD12	8	0.26
(1,1331)	1:194:A:ILE:HG21	1:194:A:ILE:HD13	8	0.26
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD11	8	0.26
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD12	8	0.26
(1,1331)	1:194:A:ILE:HG22	1:194:A:ILE:HD13	8	0.26
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD11	8	0.26
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD12	8	0.26
(1,1331)	1:194:A:ILE:HG23	1:194:A:ILE:HD13	8	0.26
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	20	0.26
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	20	0.26
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	20	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	2	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	2	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	2	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	2	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	2	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	2	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	3	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	3	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	3	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	3	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	3	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	3	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	12	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	12	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	12	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	12	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	12	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	20	0.26
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	20	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	20	0.26
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	20	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	20	0.26
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	20	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	4	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	4	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	4	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	12	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	12	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	12	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	15	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	15	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	15	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	18	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	18	0.26
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	18	0.26
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	7	0.26
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	7	0.26
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	7	0.26
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	7	0.26
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	2	0.26
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	2	0.26
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	2	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	1	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	1	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	1	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	1	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	1	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	1	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	1	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	1	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	1	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	11	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	11	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	11	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	11	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	11	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	11	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	11	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	11	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	13	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	13	0.26
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	13	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	13	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	13	0.26
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	13	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	13	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	13	0.26
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	13	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	4	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	4	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	4	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	4	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	4	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	4	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	4	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	4	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	4	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	8	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	8	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	8	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	8	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	8	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	8	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	8	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	8	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	8	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	9	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	9	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	9	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	9	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	9	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	9	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	9	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	9	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	9	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	12	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	12	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	12	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	12	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	12	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	12	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	12	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	12	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	14	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	14	0.26
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	14	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	14	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	14	0.26
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	14	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	14	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	14	0.26
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	14	0.26
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	4	0.26
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	9	0.26
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	12	0.26
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	14	0.26
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	10	0.26
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	16	0.26
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	19	0.26
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	14	0.26
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	14	0.26
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	14	0.26
(1,1091)	1:191:A:ARG:HD2	1:192:A:VAL:H	8	0.26
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	5	0.26
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	5	0.26
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	5	0.26
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD11	12	0.26
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD12	12	0.26
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD13	12	0.26
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	2	0.26
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	2	0.26
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	2	0.26
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	4	0.26
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	4	0.26
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	4	0.26
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	5	0.26
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	5	0.26
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	19	0.26
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	19	0.26
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	19	0.26
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	3	0.26
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	3	0.26
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	2	0.26
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	2	0.26
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	5	0.26
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	5	0.26
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	16	0.26
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	16	0.26
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	20	0.26
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	20	0.26
(1,957)	1:191:A:ARG:HD3	1:192:A:VAL:H	3	0.26
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	18	0.26
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	18	0.26
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	18	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	1	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	1	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	1	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	3	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	3	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	3	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	12	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	12	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	12	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	15	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	15	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	15	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	16	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	16	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	16	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	18	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	18	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	18	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	19	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	19	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	19	0.26
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	20	0.26
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	20	0.26
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	3	0.26
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	4	0.26
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	8	0.26
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	8	0.26
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	8	0.26
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD11	7	0.26
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD12	7	0.26
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD13	7	0.26
(1,808)	1:165:A:SER:HB2	1:166:A:ASP:H	6	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	1	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	4	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	5	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	7	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	12	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	13	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	15	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	16	0.26
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	19	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	4	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	4	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	4	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	5	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	5	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	5	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	9	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	9	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	9	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	10	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	10	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	10	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	12	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	12	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	12	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	13	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	13	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	13	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	16	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	16	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	16	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	18	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	18	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD21	19	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD22	19	0.26
(1,795)	1:164:A:LEU:H	1:164:A:LEU:HD23	19	0.26
(1,790)	1:115:A:THR:H	1:116:A:ILE:HG21	2	0.26
(1,790)	1:115:A:THR:H	1:116:A:ILE:HG22	2	0.26
(1,790)	1:115:A:THR:H	1:116:A:ILE:HG23	2	0.26
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	2	0.26
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	3	0.26
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	6	0.26
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	14	0.26
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	12	0.26
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	12	0.26
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	10	0.26
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	11	0.26
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	7	0.26
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	17	0.26
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	18	0.26
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	19	0.26
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	20	0.26
(1,529)	1:144:A:ARG:HD2	1:148:A:GLN:HE21	10	0.26
(1,529)	1:144:A:ARG:HD3	1:148:A:GLN:HE21	10	0.26
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	20	0.26
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	20	0.26
(1,459)	1:138:A:ASN:HA	1:138:A:ASN:HD22	6	0.26
(1,459)	1:138:A:ASN:HA	1:138:A:ASN:HD22	12	0.26
(1,459)	1:138:A:ASN:HA	1:138:A:ASN:HD22	17	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	2	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	2	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	2	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	4	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	4	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	4	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	5	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	5	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	5	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	6	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	6	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	6	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	10	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	10	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	10	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	11	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	11	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	14	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	14	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	14	0.26
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	17	0.26
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	17	0.26
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	17	0.26
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	14	0.26
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	15	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	1	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	1	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	1	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	5	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	5	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	5	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	6	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	6	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	6	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	7	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	7	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	7	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	9	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	9	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	9	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	10	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	10	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	10	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	12	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	12	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	12	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	17	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	17	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	17	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	18	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	18	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	18	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	19	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	19	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	19	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	20	0.26
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	20	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	2	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	2	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	4	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	4	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	6	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	6	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	8	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	8	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	11	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	11	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	12	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	12	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	14	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	14	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	19	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	19	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	20	0.26
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	20	0.26
(1,405)	1:133:A:VAL:H	1:135:A:ASN:HD21	3	0.26
(1,405)	1:133:A:VAL:H	1:135:A:ASN:HD21	15	0.26
(1,405)	1:133:A:VAL:H	1:135:A:ASN:HD21	16	0.26
(1,382)	1:129:A:ALA:HA	1:133:A:VAL:H	16	0.26
(1,378)	1:130:A:THR:H	1:131:A:LEU:HG	15	0.26
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	7	0.26
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	9	0.26
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	15	0.26
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	19	0.26
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	5	0.26
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	8	0.26
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	9	0.26
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	10	0.26
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	13	0.26
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	14	0.26
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	6	0.26
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	1	0.26
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	10	0.26
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	2	0.26
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	2	0.26
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	5	0.26
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	5	0.26
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	8	0.26
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	11	0.26
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	11	0.26
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	13	0.26
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	13	0.26
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	14	0.26
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	14	0.26
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	10	0.26
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	10	0.26
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	10	0.26
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	4	0.26
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	4	0.26
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	4	0.26
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	20	0.26
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	20	0.26
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	20	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	1	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	2	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	5	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	8	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	13	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	14	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	15	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	16	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	17	0.26
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	20	0.26
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	16	0.26
(1,183)	1:111:A:LYS:HE2	1:159:A:ASN:H	1	0.26
(1,183)	1:111:A:LYS:HE3	1:159:A:ASN:H	1	0.26
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	17	0.26
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	17	0.26
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	2	0.26
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	15	0.26
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	17	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	6	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	6	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	6	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	8	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	8	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	8	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	11	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	11	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	12	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	12	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	12	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	14	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	14	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	14	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	15	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	15	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	15	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	18	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	18	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	18	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	19	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	19	0.26
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	19	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	10	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	10	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	10	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	15	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	15	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	15	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	18	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	18	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	18	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	19	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	19	0.26
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	19	0.26
(1,34)	1:97:A:ARG:HD2	1:98:A:THR:H	2	0.26
(1,34)	1:97:A:ARG:HD3	1:98:A:THR:H	2	0.26
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	20	0.26
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	20	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	1	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	3	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	6	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	9	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	10	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	11	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	18	0.26
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	19	0.26
(1,1)	1:91:A:SER:HA	1:93:A:HIS:H	9	0.26
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG11	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG12	18	0.25
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG13	18	0.25
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG21	18	0.25
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG22	18	0.25
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG23	18	0.25
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	2	0.25
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	2	0.25
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	2	0.25
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	2	0.25
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	2	0.25
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	2	0.25
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	6	0.25
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	6	0.25
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	6	0.25
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	6	0.25
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	6	0.25
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	6	0.25
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	10	0.25
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	10	0.25
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	10	0.25
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	10	0.25
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	10	0.25
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	10	0.25
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	20	0.25
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	20	0.25
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	20	0.25
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	20	0.25
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	20	0.25
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	20	0.25
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	20	0.25
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	20	0.25
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	20	0.25
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	20	0.25
(1,2124)	1:191:A:ARG:HD2	1:192:A:VAL:H	4	0.25
(1,2124)	1:191:A:ARG:HD3	1:192:A:VAL:H	4	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	5	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	5	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	11	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	11	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	17	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	17	0.25
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	19	0.25
(1,2116)	1:190:A:GLU:HA	1:191:A:ARG:HD2	3	0.25
(1,2116)	1:190:A:GLU:HA	1:191:A:ARG:HD3	3	0.25
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	2	0.25
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	2	0.25
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	2	0.25
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	2	0.25
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	2	0.25
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	2	0.25
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	2	0.25
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	2	0.25
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	2	0.25
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	2	0.25
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	2	0.25
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	2	0.25
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	2	0.25
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	2	0.25
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	2	0.25
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	2	0.25
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	2	0.25
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	2	0.25
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	7	0.25
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	7	0.25
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	7	0.25
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	7	0.25
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	7	0.25
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	7	0.25
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	7	0.25
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	7	0.25
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	7	0.25
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	7	0.25
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	7	0.25
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	7	0.25
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	7	0.25
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	7	0.25
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	7	0.25
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	7	0.25
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	7	0.25
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	3	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	3	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	3	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	3	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	3	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	3	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	3	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	3	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	3	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	3	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	3	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	3	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	3	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	3	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	3	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	3	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	3	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	4	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	4	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	4	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	4	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	4	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	4	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	4	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	4	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	4	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	4	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	4	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	4	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	4	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	4	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	4	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	4	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	4	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	4	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	7	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	7	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	7	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	7	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	7	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	7	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	7	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	7	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	7	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	7	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	7	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	7	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	9	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	9	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	9	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	9	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	9	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	9	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	9	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	9	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	9	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	9	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	9	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	9	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	9	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	9	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	9	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	9	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	9	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	9	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	12	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	12	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	12	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	12	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	12	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	12	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	12	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	12	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	12	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	12	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	12	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	12	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	12	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	12	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	12	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	12	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	12	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	16	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	16	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	16	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	16	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	16	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	16	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	16	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	16	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	16	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	16	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	16	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	16	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	16	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	16	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	16	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	16	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	16	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	16	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	19	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	19	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	19	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	19	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	19	0.25
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	19	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	19	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	19	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	19	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	19	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	19	0.25
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	19	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	19	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	19	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	19	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	19	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	19	0.25
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	19	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	1	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	1	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	5	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	7	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	7	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	10	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	10	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	12	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	12	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	15	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	15	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	20	0.25
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	20	0.25
(1,2088)	1:170:A:ILE:HB	1:194:A:ILE:HG12	16	0.25
(1,2088)	1:170:A:ILE:HB	1:194:A:ILE:HG13	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	5	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	5	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	5	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	5	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	5	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	5	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	11	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	11	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	11	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	11	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	11	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	11	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	15	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	15	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	15	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	15	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	15	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	15	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	16	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	18	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	18	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	18	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	18	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	18	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	19	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	19	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	19	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	19	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	19	0.25
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	19	0.25
(1,2075)	1:162:A:GLN:HE21	1:163:A:ILE:H	5	0.25
(1,2075)	1:162:A:GLN:HE22	1:163:A:ILE:H	5	0.25
(1,2075)	1:162:A:GLN:HE21	1:163:A:ILE:H	9	0.25
(1,2075)	1:162:A:GLN:HE22	1:163:A:ILE:H	9	0.25
(1,2060)	1:159:A:ASN:H	1:162:A:GLN:HE21	6	0.25
(1,2060)	1:159:A:ASN:H	1:162:A:GLN:HE22	6	0.25
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD2	5	0.25
(1,2038)	1:154:A:VAL:HG11	1:158:A:LYS:HD3	5	0.25
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD2	5	0.25
(1,2038)	1:154:A:VAL:HG12	1:158:A:LYS:HD3	5	0.25
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD2	5	0.25
(1,2038)	1:154:A:VAL:HG13	1:158:A:LYS:HD3	5	0.25
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD2	5	0.25
(1,2038)	1:154:A:VAL:HG21	1:158:A:LYS:HD3	5	0.25
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD2	5	0.25
(1,2038)	1:154:A:VAL:HG22	1:158:A:LYS:HD3	5	0.25
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD2	5	0.25
(1,2038)	1:154:A:VAL:HG23	1:158:A:LYS:HD3	5	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	3	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	3	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	6	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	6	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	12	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	12	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	15	0.25
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	15	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	2	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	2	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	6	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	6	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	7	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	7	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	19	0.25
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	19	0.25
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD11	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD12	20	0.25
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD13	20	0.25
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD21	20	0.25
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD22	20	0.25
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD23	20	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD11	15	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD12	15	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD13	15	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD21	15	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD22	15	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD23	15	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD11	18	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD12	18	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD13	18	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD21	18	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD22	18	0.25
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD23	18	0.25
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	2	0.25
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	2	0.25
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	11	0.25
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	11	0.25
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	14	0.25
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	14	0.25
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	7	0.25
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	7	0.25
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	7	0.25
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	7	0.25
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	7	0.25
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	7	0.25
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	7	0.25
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	7	0.25
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	7	0.25
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	7	0.25
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	7	0.25
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	7	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	4	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	4	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	4	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	4	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	7	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	7	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	7	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	14	0.25
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	14	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	14	0.25
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	14	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	4	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	4	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	5	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	5	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	6	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	6	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	7	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	7	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	12	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	12	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	16	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	16	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	18	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	18	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	19	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	19	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	20	0.25
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	20	0.25
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	11	0.25
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	11	0.25
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	11	0.25
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	11	0.25
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	11	0.25
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	11	0.25
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	11	0.25
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	11	0.25
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	11	0.25
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	11	0.25
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	11	0.25
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	11	0.25
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	11	0.25
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	11	0.25
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	11	0.25
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	11	0.25
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	11	0.25
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	11	0.25
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD21	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD22	10	0.25
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD23	10	0.25
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD21	10	0.25
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD22	10	0.25
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD23	10	0.25
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD21	10	0.25
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD22	10	0.25
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD23	10	0.25
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD21	10	0.25
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD22	10	0.25
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD23	10	0.25
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD21	10	0.25
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD22	10	0.25
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD23	10	0.25
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD21	10	0.25
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD22	10	0.25
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD23	10	0.25
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	7	0.25
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	7	0.25
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	7	0.25
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	7	0.25
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	7	0.25
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	7	0.25
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	10	0.25
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	10	0.25
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	10	0.25
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	10	0.25
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	10	0.25
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	10	0.25
(1,1886)	1:118:A:VAL:HA	1:155:A:LEU:HD11	13	0.25
(1,1886)	1:118:A:VAL:HA	1:155:A:LEU:HD12	13	0.25
(1,1886)	1:118:A:VAL:HA	1:155:A:LEU:HD13	13	0.25
(1,1886)	1:118:A:VAL:HA	1:155:A:LEU:HD21	13	0.25
(1,1886)	1:118:A:VAL:HA	1:155:A:LEU:HD22	13	0.25
(1,1886)	1:118:A:VAL:HA	1:155:A:LEU:HD23	13	0.25
(1,1883)	1:117:A:SER:HB2	1:198:A:LYS:HE2	1	0.25
(1,1883)	1:117:A:SER:HB2	1:198:A:LYS:HE3	1	0.25
(1,1883)	1:117:A:SER:HB3	1:198:A:LYS:HE2	1	0.25
(1,1883)	1:117:A:SER:HB3	1:198:A:LYS:HE3	1	0.25
(1,1883)	1:117:A:SER:HB2	1:198:A:LYS:HE2	10	0.25
(1,1883)	1:117:A:SER:HB2	1:198:A:LYS:HE3	10	0.25
(1,1883)	1:117:A:SER:HB3	1:198:A:LYS:HE2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:117:A:SER:HB3	1:198:A:LYS:HE3	10	0.25
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	3	0.25
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	3	0.25
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	3	0.25
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	3	0.25
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	3	0.25
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	3	0.25
(1,1875)	1:114:A:VAL:HG11	1:201:A:VAL:H	1	0.25
(1,1875)	1:114:A:VAL:HG12	1:201:A:VAL:H	1	0.25
(1,1875)	1:114:A:VAL:HG13	1:201:A:VAL:H	1	0.25
(1,1875)	1:114:A:VAL:HG21	1:201:A:VAL:H	1	0.25
(1,1875)	1:114:A:VAL:HG22	1:201:A:VAL:H	1	0.25
(1,1875)	1:114:A:VAL:HG23	1:201:A:VAL:H	1	0.25
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	11	0.25
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	11	0.25
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	11	0.25
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	11	0.25
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	11	0.25
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	11	0.25
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	15	0.25
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	15	0.25
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	15	0.25
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	15	0.25
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	15	0.25
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	15	0.25
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	3	0.25
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	3	0.25
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	8	0.25
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	8	0.25
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	11	0.25
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	11	0.25
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	13	0.25
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	13	0.25
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	16	0.25
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	16	0.25
(1,1849)	1:109:A:LEU:HD11	1:115:A:THR:H	16	0.25
(1,1849)	1:109:A:LEU:HD12	1:115:A:THR:H	16	0.25
(1,1849)	1:109:A:LEU:HD13	1:115:A:THR:H	16	0.25
(1,1849)	1:109:A:LEU:HD21	1:115:A:THR:H	16	0.25
(1,1849)	1:109:A:LEU:HD22	1:115:A:THR:H	16	0.25
(1,1849)	1:109:A:LEU:HD23	1:115:A:THR:H	16	0.25
(1,1805)	1:96:A:MET:HB2	1:126:A:VAL:H	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:96:A:MET:HB3	1:126:A:VAL:H	4	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	4	0.25
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	4	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	4	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	6	0.25
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	6	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	6	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	9	0.25
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	9	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	9	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	17	0.25
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	17	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	17	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	19	0.25
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	19	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	19	0.25
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	20	0.25
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	20	0.25
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	20	0.25
(1,1772)	1:129:A:ALA:HB1	1:133:A:VAL:HB	1	0.25
(1,1772)	1:129:A:ALA:HB2	1:133:A:VAL:HB	1	0.25
(1,1772)	1:129:A:ALA:HB3	1:133:A:VAL:HB	1	0.25
(1,1772)	1:129:A:ALA:HB1	1:133:A:VAL:HB	3	0.25
(1,1772)	1:129:A:ALA:HB2	1:133:A:VAL:HB	3	0.25
(1,1772)	1:129:A:ALA:HB3	1:133:A:VAL:HB	3	0.25
(1,1772)	1:129:A:ALA:HB1	1:133:A:VAL:HB	19	0.25
(1,1772)	1:129:A:ALA:HB2	1:133:A:VAL:HB	19	0.25
(1,1772)	1:129:A:ALA:HB3	1:133:A:VAL:HB	19	0.25
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	13	0.25
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	13	0.25
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	13	0.25
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	20	0.25
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	20	0.25
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	20	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG2	7	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG3	7	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG2	7	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG3	7	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG2	7	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG3	7	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG2	16	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG2	16	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG3	16	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG2	16	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG3	16	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG2	17	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG3	17	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG2	17	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG3	17	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG2	17	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG3	17	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG2	18	0.25
(1,1753)	1:145:A:LEU:HD21	1:148:A:GLN:HG3	18	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG2	18	0.25
(1,1753)	1:145:A:LEU:HD22	1:148:A:GLN:HG3	18	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG2	18	0.25
(1,1753)	1:145:A:LEU:HD23	1:148:A:GLN:HG3	18	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG2	7	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG3	7	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG2	7	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG3	7	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG2	7	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG3	7	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG2	17	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG3	17	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG2	17	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG3	17	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG2	17	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG3	17	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG2	18	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG3	18	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG2	18	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG3	18	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG2	18	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG3	18	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG2	19	0.25
(1,1752)	1:145:A:LEU:HD11	1:148:A:GLN:HG3	19	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG2	19	0.25
(1,1752)	1:145:A:LEU:HD12	1:148:A:GLN:HG3	19	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG2	19	0.25
(1,1752)	1:145:A:LEU:HD13	1:148:A:GLN:HG3	19	0.25
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	12	0.25
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	20	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	1	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	1	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	1	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	4	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	4	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	4	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	8	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	8	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	8	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	9	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	9	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	9	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	12	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	12	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	12	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	15	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	15	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	15	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	18	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	18	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	18	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	19	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	19	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	19	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	20	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	20	0.25
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	20	0.25
(1,1710)	1:138:A:ASN:HB2	1:141:A:SER:HB3	3	0.25
(1,1710)	1:138:A:ASN:HB3	1:141:A:SER:HB3	3	0.25
(1,1710)	1:138:A:ASN:HB2	1:141:A:SER:HB3	14	0.25
(1,1710)	1:138:A:ASN:HB3	1:141:A:SER:HB3	14	0.25
(1,1710)	1:138:A:ASN:HB2	1:141:A:SER:HB3	20	0.25
(1,1710)	1:138:A:ASN:HB3	1:141:A:SER:HB3	20	0.25
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	18	0.25
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	2	0.25
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	4	0.25
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	6	0.25
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	12	0.25
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	16	0.25
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	19	0.25
(1,1707)	1:117:A:SER:HB2	1:198:A:LYS:HD2	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:117:A:SER:HB2	1:198:A:LYS:HD3	18	0.25
(1,1707)	1:117:A:SER:HB3	1:198:A:LYS:HD2	18	0.25
(1,1707)	1:117:A:SER:HB3	1:198:A:LYS:HD3	18	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	4	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	4	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	4	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	5	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	5	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	5	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	8	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	8	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	8	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	15	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	15	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	15	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD11	16	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD12	16	0.25
(1,1703)	1:154:A:VAL:HA	1:170:A:ILE:HD13	16	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	1	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	2	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	4	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	6	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	7	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	9	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	11	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	12	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	16	0.25
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	18	0.25
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG21	15	0.25
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG22	15	0.25
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG23	15	0.25
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG21	15	0.25
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG22	15	0.25
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG23	15	0.25
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG21	15	0.25
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG22	15	0.25
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG23	15	0.25
(1,1688)	1:116:A:ILE:HG21	1:200:A:PRO:HB2	10	0.25
(1,1688)	1:116:A:ILE:HG22	1:200:A:PRO:HB2	10	0.25
(1,1688)	1:116:A:ILE:HG23	1:200:A:PRO:HB2	10	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	1	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	8	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	10	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	11	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	14	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	15	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	18	0.25
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	20	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	3	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	3	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	3	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	3	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	3	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	3	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	4	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	4	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	4	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	4	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	4	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	4	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	5	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	5	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	5	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	5	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	5	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	5	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	7	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	7	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	7	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	7	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	7	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	7	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	13	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	13	0.25
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	13	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	13	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	13	0.25
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	13	0.25
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	3	0.25
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	3	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	2	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	2	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	2	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	2	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	2	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	4	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	4	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	4	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	4	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	4	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	4	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	12	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	12	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	12	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	12	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	12	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	12	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	15	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	15	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	15	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	15	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	15	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	15	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	16	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	16	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	16	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	16	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	16	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	16	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	18	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	18	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	18	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	18	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	18	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	18	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	19	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	19	0.25
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	19	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	19	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	19	0.25
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	19	0.25
(1,1648)	1:140:A:ASP:HA	1:143:A:THR:HA	18	0.25
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG12	12	0.25
(1,1642)	1:154:A:VAL:HG11	1:170:A:ILE:HG13	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG12	12	0.25
(1,1642)	1:154:A:VAL:HG12	1:170:A:ILE:HG13	12	0.25
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG12	12	0.25
(1,1642)	1:154:A:VAL:HG13	1:170:A:ILE:HG13	12	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	3	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	3	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	5	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	5	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	8	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	8	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	9	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	9	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	16	0.25
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	16	0.25
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	17	0.25
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	17	0.25
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	17	0.25
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	17	0.25
(1,1625)	1:103:A:ILE:HG21	1:144:A:ARG:HD2	12	0.25
(1,1625)	1:103:A:ILE:HG21	1:144:A:ARG:HD3	12	0.25
(1,1625)	1:103:A:ILE:HG22	1:144:A:ARG:HD2	12	0.25
(1,1625)	1:103:A:ILE:HG22	1:144:A:ARG:HD3	12	0.25
(1,1625)	1:103:A:ILE:HG23	1:144:A:ARG:HD2	12	0.25
(1,1625)	1:103:A:ILE:HG23	1:144:A:ARG:HD3	12	0.25
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB2	9	0.25
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB3	9	0.25
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB2	9	0.25
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB3	9	0.25
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB2	9	0.25
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB3	9	0.25
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	15	0.25
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	15	0.25
(1,1612)	1:149:A:THR:HA	1:152:A:ARG:HD3	18	0.25
(1,1612)	1:149:A:THR:HA	1:152:A:ARG:HD3	20	0.25
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB2	3	0.25
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB3	3	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB2	3	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB3	3	0.25
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB2	14	0.25
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB3	14	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB2	14	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB3	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB2	15	0.25
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB3	15	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB2	15	0.25
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB3	15	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	1	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	1	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	9	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	9	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	11	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	11	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	12	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	12	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	17	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	17	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	19	0.25
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	19	0.25
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	1	0.25
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	1	0.25
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	1	0.25
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	14	0.25
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	14	0.25
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	14	0.25
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	15	0.25
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	15	0.25
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	15	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	3	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	3	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	3	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	5	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	5	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	5	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	11	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	11	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	11	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	12	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	12	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	12	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	13	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	13	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	13	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	14	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	14	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	18	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	18	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	18	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	20	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	20	0.25
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	20	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	3	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	3	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	3	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	3	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	7	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	7	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	7	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	7	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	10	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	10	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	10	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	10	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	16	0.25
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	16	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	16	0.25
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	16	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	1	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	1	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	1	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	1	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	1	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	1	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	1	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	1	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	1	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	3	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	3	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	3	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	3	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	3	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	3	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	3	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	3	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	3	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	4	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	4	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	4	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	4	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	4	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	4	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	4	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	4	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	6	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	6	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	6	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	6	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	6	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	6	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	6	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	6	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	6	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	7	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	7	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	7	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	7	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	7	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	7	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	7	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	7	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	7	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	9	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	9	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	9	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	9	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	9	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	9	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	9	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	9	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	9	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	11	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	11	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	11	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	11	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	11	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	11	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	11	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	11	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	14	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	14	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	14	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	14	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	14	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	14	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	14	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	14	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	14	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	16	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	16	0.25
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	16	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	16	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	16	0.25
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	16	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	16	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	16	0.25
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	16	0.25
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG21	10	0.25
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG22	10	0.25
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG23	10	0.25
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	16	0.25
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	16	0.25
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	16	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	4	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	4	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	4	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	13	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	13	0.25
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	13	0.25
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	3	0.25
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	3	0.25
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	3	0.25
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	3	0.25
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	3	0.25
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	3	0.25
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	5	0.25
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	5	0.25
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	5	0.25
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	5	0.25
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	5	0.25
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	20	0.25
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	20	0.25
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	20	0.25
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	20	0.25
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	20	0.25
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	20	0.25
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	15	0.25
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	15	0.25
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	15	0.25
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG21	10	0.25
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG22	10	0.25
(1,1502)	1:116:A:ILE:HD11	1:163:A:ILE:HG23	10	0.25
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG21	10	0.25
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG22	10	0.25
(1,1502)	1:116:A:ILE:HD12	1:163:A:ILE:HG23	10	0.25
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG21	10	0.25
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG22	10	0.25
(1,1502)	1:116:A:ILE:HD13	1:163:A:ILE:HG23	10	0.25
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	4	0.25
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	4	0.25
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	4	0.25
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	4	0.25
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	4	0.25
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	4	0.25
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	4	0.25
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	4	0.25
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	4	0.25
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	12	0.25
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	12	0.25
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	12	0.25
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	12	0.25
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	12	0.25
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	12	0.25
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	12	0.25
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	12	0.25
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	12	0.25
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	12	0.25
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	12	0.25
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	12	0.25
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	12	0.25
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	12	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	4	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	4	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	4	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	5	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	5	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	5	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	10	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	10	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	10	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	12	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	12	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	12	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	13	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	13	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	13	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	15	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	15	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	15	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	17	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	17	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	17	0.25
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	18	0.25
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	18	0.25
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	18	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	1	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	1	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	1	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	2	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	2	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	2	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	3	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	3	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	3	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	4	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	4	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	4	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	6	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	6	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	6	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	9	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	9	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	11	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	11	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	11	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	12	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	12	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	12	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD11	14	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD12	14	0.25
(1,1457)	1:142:A:ALA:HA	1:145:A:LEU:HD13	14	0.25
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB2	19	0.25
(1,1425)	1:195:A:LYS:HG2	1:196:A:ASP:HB3	19	0.25
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB2	19	0.25
(1,1425)	1:195:A:LYS:HG3	1:196:A:ASP:HB3	19	0.25
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	17	0.25
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	17	0.25
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	17	0.25
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	17	0.25
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	18	0.25
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	18	0.25
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	18	0.25
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	18	0.25
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	13	0.25
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	13	0.25
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	13	0.25
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	13	0.25
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	13	0.25
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	13	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	5	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	5	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	5	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	6	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	6	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	6	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	14	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	14	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	14	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	18	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	18	0.25
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	18	0.25
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	2	0.25
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	2	0.25
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	13	0.25
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	13	0.25
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	13	0.25
(1,1393)	1:190:A:GLU:HA	1:191:A:ARG:HB2	18	0.25
(1,1393)	1:190:A:GLU:HA	1:191:A:ARG:HB3	18	0.25
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	3	0.25
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	3	0.25
(1,1378)	1:100:A:SER:HB2	1:101:A:PHE:HA	2	0.25
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	1	0.25
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	1	0.25
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	1	0.25
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	1	0.25
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	1	0.25
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	1	0.25
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	11	0.25
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	11	0.25
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	11	0.25
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	11	0.25
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	11	0.25
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	11	0.25
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD11	7	0.25
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD12	7	0.25
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD13	7	0.25
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD11	7	0.25
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD12	7	0.25
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD13	7	0.25
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD11	7	0.25
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD12	7	0.25
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD13	7	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD11	9	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD12	9	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD13	9	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD11	18	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD12	18	0.25
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD13	18	0.25
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG21	4	0.25
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG22	4	0.25
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG23	4	0.25
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG21	20	0.25
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG22	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG23	20	0.25
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	1	0.25
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	1	0.25
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	5	0.25
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	5	0.25
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	13	0.25
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	13	0.25
(1,1335)	1:188:A:LYS:HD2	1:190:A:GLU:HA	11	0.25
(1,1335)	1:188:A:LYS:HD3	1:190:A:GLU:HA	11	0.25
(1,1335)	1:188:A:LYS:HD2	1:190:A:GLU:HA	12	0.25
(1,1335)	1:188:A:LYS:HD3	1:190:A:GLU:HA	12	0.25
(1,1335)	1:188:A:LYS:HD2	1:190:A:GLU:HA	15	0.25
(1,1335)	1:188:A:LYS:HD3	1:190:A:GLU:HA	15	0.25
(1,1335)	1:188:A:LYS:HD2	1:190:A:GLU:HA	17	0.25
(1,1335)	1:188:A:LYS:HD3	1:190:A:GLU:HA	17	0.25
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	1	0.25
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	1	0.25
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	1	0.25
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	1	0.25
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	1	0.25
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	1	0.25
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	1	0.25
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	1	0.25
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	1	0.25
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	11	0.25
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	11	0.25
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	11	0.25
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	11	0.25
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	11	0.25
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	11	0.25
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	11	0.25
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	11	0.25
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	11	0.25
(1,1332)	1:111:A:LYS:HB3	1:157:A:THR:HA	4	0.25
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	12	0.25
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	12	0.25
(1,1321)	1:195:A:LYS:HB2	1:196:A:ASP:HA	19	0.25
(1,1321)	1:195:A:LYS:HB3	1:196:A:ASP:HA	19	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	5	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	5	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	5	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	9	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	9	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	16	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	16	0.25
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	16	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	1	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	1	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	1	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	1	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	1	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	1	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	5	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	5	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	5	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	5	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	5	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	5	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	6	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	6	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	6	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	6	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	6	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	6	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	7	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	7	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	7	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	7	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	7	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	7	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	8	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	8	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	8	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	8	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	8	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	8	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	10	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	10	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	10	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	10	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	10	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	10	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	13	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	13	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	13	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	13	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	13	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	14	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	14	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	14	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	14	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	14	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	14	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	17	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	17	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	17	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	17	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	17	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	17	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	18	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	18	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	18	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	18	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	18	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	18	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	19	0.25
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	19	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	19	0.25
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	19	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	19	0.25
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	19	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	7	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	7	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	7	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	10	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	10	0.25
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	10	0.25
(1,1262)	1:159:A:ASN:HA	1:162:A:GLN:HB2	6	0.25
(1,1262)	1:159:A:ASN:HA	1:162:A:GLN:HB2	8	0.25
(1,1262)	1:159:A:ASN:HA	1:162:A:GLN:HB2	9	0.25
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	3	0.25
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	3	0.25
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	3	0.25
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	16	0.25
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	16	0.25
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	16	0.25
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	16	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	1	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	1	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	1	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	6	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	6	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	6	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	12	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	12	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	12	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	14	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	14	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	14	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	16	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	16	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	16	0.25
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	17	0.25
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	17	0.25
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	17	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	4	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	4	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	4	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	7	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	7	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	7	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	12	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	12	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	12	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	13	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	13	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	13	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	15	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	15	0.25
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	15	0.25
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	9	0.25
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	9	0.25
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	9	0.25
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	9	0.25
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	9	0.25
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	12	0.25
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	12	0.25
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	12	0.25
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	12	0.25
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	12	0.25
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	12	0.25
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	11	0.25
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	11	0.25
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	11	0.25
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	11	0.25
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	11	0.25
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	11	0.25
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	11	0.25
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	11	0.25
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	11	0.25
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	18	0.25
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	18	0.25
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	18	0.25
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	18	0.25
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	18	0.25
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	18	0.25
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	18	0.25
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	18	0.25
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	18	0.25
(1,1200)	1:105:A:PRO:HG2	1:119:A:ASP:HB3	14	0.25
(1,1200)	1:105:A:PRO:HG3	1:119:A:ASP:HB3	14	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	2	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	2	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	2	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	2	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	2	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	2	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	2	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	2	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	2	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	8	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	8	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	8	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	8	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	8	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	8	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	8	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	8	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	10	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	10	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	10	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	10	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	10	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	10	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	10	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	10	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	10	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	14	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	14	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	14	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	14	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	14	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	14	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	14	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	14	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	14	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	15	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	15	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	15	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	15	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	15	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	15	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	15	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	15	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	15	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	17	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	17	0.25
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	17	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	17	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	17	0.25
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	17	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	17	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	17	0.25
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	17	0.25
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	1	0.25
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	1	0.25
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	1	0.25
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	1	0.25
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	1	0.25
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	1	0.25
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	1	0.25
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	1	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	3	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	3	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	3	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	3	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	3	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	3	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	3	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	3	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	3	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	6	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	6	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	6	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	6	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	6	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	6	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	6	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	6	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	6	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	13	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	13	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	13	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	13	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	13	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	13	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	13	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	13	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	13	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	16	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	16	0.25
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	16	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	16	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	16	0.25
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	16	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	16	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	16	0.25
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	7	0.25
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	7	0.25
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	10	0.25
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	10	0.25
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	17	0.25
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	17	0.25
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	19	0.25
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	5	0.25
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	8	0.25
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	17	0.25
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	18	0.25
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	19	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	3	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	3	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	5	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	5	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	12	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	12	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	15	0.25
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	15	0.25
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	4	0.25
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	8	0.25
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	9	0.25
(1,1091)	1:191:A:ARG:HD2	1:192:A:VAL:H	18	0.25
(1,1090)	1:191:A:ARG:HG2	1:192:A:VAL:H	18	0.25
(1,1090)	1:191:A:ARG:HG3	1:192:A:VAL:H	18	0.25
(1,1075)	1:188:A:LYS:HE2	1:189:A:VAL:H	15	0.25
(1,1075)	1:188:A:LYS:HE3	1:189:A:VAL:H	15	0.25
(1,1075)	1:188:A:LYS:HE2	1:189:A:VAL:H	17	0.25
(1,1075)	1:188:A:LYS:HE3	1:189:A:VAL:H	17	0.25
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	12	0.25
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	12	0.25
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	12	0.25
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	18	0.25
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	18	0.25
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	18	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	1	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	1	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	1	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	2	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	2	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	8	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	8	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	8	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	9	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	9	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	9	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	11	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	11	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	11	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	12	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	12	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	12	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	13	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	13	0.25
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	13	0.25
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD11	1	0.25
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD12	1	0.25
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD13	1	0.25
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB2	8	0.25
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB3	8	0.25
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD11	1	0.25
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD12	1	0.25
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD13	1	0.25
(1,1014)	1:179:A:ASP:HB3	1:189:A:VAL:H	2	0.25
(1,1014)	1:179:A:ASP:HB3	1:189:A:VAL:H	9	0.25
(1,997)	1:188:A:LYS:HD2	1:189:A:VAL:H	11	0.25
(1,997)	1:188:A:LYS:HD3	1:189:A:VAL:H	11	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	1	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	1	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	1	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	3	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	3	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	3	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	6	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	6	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	6	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	7	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	7	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	7	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	8	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	8	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	9	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	9	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	9	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	11	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	11	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	11	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	12	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	12	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	12	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	13	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	13	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	13	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	14	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	14	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	14	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	15	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	15	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	15	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	16	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	16	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	16	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	17	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	17	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	17	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	18	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	18	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	18	0.25
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	20	0.25
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	20	0.25
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	20	0.25
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	13	0.25
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	13	0.25
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	20	0.25
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	20	0.25
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	4	0.25
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	4	0.25
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	6	0.25
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	6	0.25
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	7	0.25
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	7	0.25
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	15	0.25
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:191:A:ARG:HD3	1:192:A:VAL:H	16	0.25
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	1	0.25
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	10	0.25
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	11	0.25
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	13	0.25
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	16	0.25
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	7	0.25
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	7	0.25
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	7	0.25
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	8	0.25
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	8	0.25
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	8	0.25
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	9	0.25
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	9	0.25
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	9	0.25
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	20	0.25
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	20	0.25
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	20	0.25
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	1	0.25
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	1	0.25
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	1	0.25
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	11	0.25
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	11	0.25
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	11	0.25
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	6	0.25
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	6	0.25
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	4	0.25
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	4	0.25
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	4	0.25
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	7	0.25
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	7	0.25
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	7	0.25
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	13	0.25
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	13	0.25
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	13	0.25
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	14	0.25
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	14	0.25
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	14	0.25
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	20	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	2	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	5	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	13	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	15	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	17	0.25
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	20	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	2	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	2	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	2	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	3	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	3	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	3	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	11	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	11	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	11	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	16	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	16	0.25
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	16	0.25
(1,898)	1:171:A:ALA:HB1	1:194:A:ILE:H	9	0.25
(1,898)	1:171:A:ALA:HB2	1:194:A:ILE:H	9	0.25
(1,898)	1:171:A:ALA:HB3	1:194:A:ILE:H	9	0.25
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	1	0.25
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	1	0.25
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	1	0.25
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	11	0.25
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	11	0.25
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	11	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD11	4	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD12	4	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD13	4	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD11	19	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD12	19	0.25
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD13	19	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	4	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	4	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	6	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	6	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	7	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	7	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	13	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	13	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	14	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	14	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	18	0.25
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	20	0.25
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	20	0.25
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	7	0.25
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	7	0.25
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	4	0.25
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	4	0.25
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	7	0.25
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	7	0.25
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	16	0.25
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	16	0.25
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB2	14	0.25
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB3	14	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	1	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	1	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	2	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	2	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	3	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	3	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	4	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	4	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	5	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	5	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	7	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	7	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	10	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	10	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	12	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	12	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	13	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	13	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	14	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	14	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	15	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	15	0.25
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	18	0.25
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	18	0.25
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	1	0.25
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	1	0.25
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	7	0.25
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	7	0.25
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	12	0.25
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	2	0.25
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	2	0.25
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	2	0.25
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	4	0.25
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	4	0.25
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	4	0.25
(1,805)	1:165:A:SER:H	1:166:A:ASP:HB2	10	0.25
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	9	0.25
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	10	0.25
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	11	0.25
(1,802)	1:164:A:LEU:HG	1:165:A:SER:H	18	0.25
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	3	0.25
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	3	0.25
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	14	0.25
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	14	0.25
(1,764)	1:162:A:GLN:H	1:162:A:GLN:HB3	13	0.25
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	8	0.25
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	8	0.25
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	16	0.25
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	16	0.25
(1,718)	1:111:A:LYS:HD2	1:160:A:LEU:H	5	0.25
(1,718)	1:111:A:LYS:HD3	1:160:A:LEU:H	5	0.25
(1,718)	1:111:A:LYS:HD2	1:160:A:LEU:H	6	0.25
(1,718)	1:111:A:LYS:HD3	1:160:A:LEU:H	6	0.25
(1,718)	1:111:A:LYS:HD2	1:160:A:LEU:H	19	0.25
(1,718)	1:111:A:LYS:HD3	1:160:A:LEU:H	19	0.25
(1,717)	1:158:A:LYS:HG2	1:163:A:ILE:H	2	0.25
(1,717)	1:158:A:LYS:HG3	1:163:A:ILE:H	2	0.25
(1,717)	1:158:A:LYS:HG2	1:163:A:ILE:H	14	0.25
(1,717)	1:158:A:LYS:HG3	1:163:A:ILE:H	14	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	1	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	2	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	4	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	6	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	11	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	13	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	14	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	16	0.25
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	19	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	1	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	6	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	7	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	8	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	9	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	14	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	17	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	19	0.25
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	20	0.25
(1,646)	1:152:A:ARG:H	1:152:A:ARG:HD3	18	0.25
(1,646)	1:152:A:ARG:H	1:152:A:ARG:HD3	20	0.25
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	6	0.25
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	12	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	1	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	3	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	6	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	9	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	15	0.25
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	16	0.25
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	7	0.25
(1,528)	1:144:A:ARG:HD2	1:145:A:LEU:H	15	0.25
(1,528)	1:144:A:ARG:HD3	1:145:A:LEU:H	15	0.25
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	20	0.25
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	17	0.25
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	7	0.25
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	10	0.25
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	13	0.25
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	15	0.25
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	18	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	1	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	2	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	3	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	4	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	5	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	8	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	10	0.25
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	13	0.25
(1,482)	1:140:A:ASP:HA	1:142:A:ALA:H	19	0.25
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	4	0.25
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	7	0.25
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	9	0.25
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	12	0.25
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	9	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	9	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	12	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	12	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	16	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	16	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	19	0.25
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	19	0.25
(1,464)	1:138:A:ASN:HD21	1:141:A:SER:HB2	17	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	1	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	1	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	1	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	3	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	3	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	3	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	7	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	7	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	7	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	8	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	8	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	8	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	9	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	9	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	9	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	13	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	13	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	13	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	15	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	15	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	15	0.25
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	16	0.25
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	16	0.25
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	16	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	1	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	2	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	3	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	10	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	12	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	16	0.25
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	20	0.25
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	3	0.25
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	13	0.25
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	13	0.25
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	13	0.25
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	15	0.25
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	15	0.25
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	15	0.25
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	16	0.25
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	16	0.25
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG12	18	0.25
(1,409)	1:133:A:VAL:H	1:136:A:ILE:HG13	18	0.25
(1,382)	1:129:A:ALA:HA	1:133:A:VAL:H	15	0.25
(1,378)	1:130:A:THR:H	1:131:A:LEU:HG	1	0.25
(1,378)	1:130:A:THR:H	1:131:A:LEU:HG	12	0.25
(1,378)	1:130:A:THR:H	1:131:A:LEU:HG	16	0.25
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	1	0.25
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	3	0.25
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	12	0.25
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	16	0.25
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	18	0.25
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	17	0.25
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	19	0.25
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	20	0.25
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	8	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	4	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	12	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	15	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	17	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	18	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	19	0.25
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	20	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	2	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	3	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	5	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	8	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	9	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	11	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	13	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	14	0.25
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	16	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	2	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	2	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	6	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	15	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	15	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	19	0.25
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	19	0.25
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	9	0.25
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	9	0.25
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	10	0.25
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	10	0.25
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	16	0.25
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	16	0.25
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	6	0.25
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	6	0.25
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	6	0.25
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	11	0.25
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	11	0.25
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	11	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	3	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	4	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	6	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	15	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	17	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	19	0.25
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	20	0.25
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	8	0.25
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	8	0.25
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	16	0.25
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	16	0.25
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	4	0.25
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	4	0.25
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	8	0.25
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	8	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	5	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	5	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	5	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	9	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	9	0.25
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	9	0.25
(1,262)	1:100:A:SER:HB2	1:122:A:VAL:H	8	0.25
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	3	0.25
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	12	0.25
(1,211)	1:116:A:ILE:HD11	1:117:A:SER:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,211)	1:116:A:ILE:HD12	1:117:A:SER:H	7	0.25
(1,211)	1:116:A:ILE:HD13	1:117:A:SER:H	7	0.25
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	5	0.25
(1,183)	1:111:A:LYS:HE2	1:159:A:ASN:H	5	0.25
(1,183)	1:111:A:LYS:HE3	1:159:A:ASN:H	5	0.25
(1,183)	1:111:A:LYS:HE2	1:159:A:ASN:H	11	0.25
(1,183)	1:111:A:LYS:HE3	1:159:A:ASN:H	11	0.25
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	8	0.25
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	8	0.25
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	13	0.25
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	13	0.25
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	5	0.25
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	5	0.25
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	5	0.25
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	12	0.25
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	14	0.25
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	16	0.25
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	18	0.25
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	9	0.25
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	9	0.25
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	9	0.25
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	11	0.25
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	11	0.25
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	11	0.25
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	15	0.25
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	15	0.25
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	15	0.25
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	19	0.25
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	19	0.25
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	19	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	1	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	1	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	1	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	3	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	3	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	3	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	4	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	4	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	4	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	7	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	7	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG21	9	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG22	9	0.25
(1,133)	1:108:A:ILE:H	1:116:A:ILE:HG23	9	0.25
(1,120)	1:107:A:GLU:HG2	1:116:A:ILE:H	11	0.25
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	1	0.25
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	1	0.25
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	1	0.25
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	6	0.25
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	6	0.25
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	6	0.25
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	10	0.25
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	10	0.25
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	10	0.25
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	13	0.25
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	13	0.25
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	13	0.25
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	18	0.25
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	18	0.25
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	18	0.25
(1,94)	1:103:A:ILE:HD11	1:120:A:GLY:H	19	0.25
(1,94)	1:103:A:ILE:HD12	1:120:A:GLY:H	19	0.25
(1,94)	1:103:A:ILE:HD13	1:120:A:GLY:H	19	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	1	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	1	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	1	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	2	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	2	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	2	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	3	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	3	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	3	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	4	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	4	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	4	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	5	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	5	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	5	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	6	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	6	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	6	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	7	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	7	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	8	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	8	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	8	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	9	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	9	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	9	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	11	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	11	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	11	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	12	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	12	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	12	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	13	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	13	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	13	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	14	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	14	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	14	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	16	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	16	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	16	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	17	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	17	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	17	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG21	20	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG22	20	0.25
(1,71)	1:101:A:PHE:H	1:143:A:THR:HG23	20	0.25
(1,37)	1:98:A:THR:HG21	1:100:A:SER:H	20	0.25
(1,37)	1:98:A:THR:HG22	1:100:A:SER:H	20	0.25
(1,37)	1:98:A:THR:HG23	1:100:A:SER:H	20	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	3	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	3	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	4	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	4	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	6	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	6	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	8	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	8	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	12	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	12	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	13	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	15	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	15	0.25
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	17	0.25
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	17	0.25
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	4	0.25
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	7	0.25
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	8	0.25
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	13	0.25
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	14	0.25
(1,19)	1:96:A:MET:H	1:98:A:THR:H	1	0.25
(1,12)	1:95:A:ASP:HB2	1:97:A:ARG:H	10	0.25
(1,12)	1:95:A:ASP:HB2	1:97:A:ARG:H	11	0.25
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG11	14	0.25
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG12	14	0.25
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG13	14	0.25
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG21	14	0.25
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG22	14	0.25
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG23	14	0.25
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	9	0.25
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	13	0.25
(1,1)	1:91:A:SER:HA	1:93:A:HIS:H	5	0.25
(1,1)	1:91:A:SER:HA	1:93:A:HIS:H	7	0.25
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	11	0.24
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	11	0.24
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	11	0.24
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	11	0.24
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	11	0.24
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	11	0.24
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD2	1	0.24
(1,2120)	1:191:A:ARG:H	1:191:A:ARG:HD3	1	0.24
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	14	0.24
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	14	0.24
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	14	0.24
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	14	0.24
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	14	0.24
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	14	0.24
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	14	0.24
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	14	0.24
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	14	0.24
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	14	0.24
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	14	0.24
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	14	0.24
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	14	0.24
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	14	0.24
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	14	0.24
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	14	0.24
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	14	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB1	7	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB2	7	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB3	7	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB1	7	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB2	7	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB3	7	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB1	7	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB2	7	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB3	7	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB1	7	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB2	7	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB3	7	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB1	7	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB2	7	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB3	7	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB1	7	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB2	7	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB3	7	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB1	13	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB2	13	0.24
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB3	13	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB1	13	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB2	13	0.24
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB3	13	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB1	13	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB2	13	0.24
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB3	13	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB1	13	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB2	13	0.24
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB3	13	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB1	13	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB2	13	0.24
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB3	13	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB1	13	0.24
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB2	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB3	13	0.24
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	12	0.24
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	12	0.24
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	19	0.24
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	19	0.24
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	19	0.24
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	19	0.24
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	17	0.24
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	17	0.24
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	19	0.24
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	19	0.24
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	19	0.24
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	19	0.24
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	19	0.24
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	19	0.24
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	19	0.24
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	19	0.24
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	19	0.24
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	19	0.24
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	19	0.24
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	19	0.24
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	19	0.24
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	19	0.24
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	19	0.24
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	19	0.24
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	19	0.24
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	19	0.24
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	6	0.24
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	6	0.24
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	6	0.24
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	6	0.24
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	6	0.24
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	6	0.24
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	13	0.24
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	13	0.24
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	13	0.24
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	13	0.24
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	13	0.24
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	13	0.24
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	18	0.24
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	18	0.24
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	3	0.24
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	3	0.24
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	3	0.24
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	3	0.24
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	3	0.24
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	3	0.24
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	13	0.24
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	13	0.24
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	13	0.24
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	15	0.24
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	3	0.24
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG21	8	0.24
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG22	8	0.24
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG23	8	0.24
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG21	8	0.24
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG22	8	0.24
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG23	8	0.24
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG21	8	0.24
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG22	8	0.24
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG23	8	0.24
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	5	0.24
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	2	0.24
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	2	0.24
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	2	0.24
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	2	0.24
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	2	0.24
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	2	0.24
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	14	0.24
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	14	0.24
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	14	0.24
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	14	0.24
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	14	0.24
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	14	0.24
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	17	0.24
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	17	0.24
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	17	0.24
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	17	0.24
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	17	0.24
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	17	0.24
(1,1631)	1:175:A:GLN:HG2	1:191:A:ARG:HA	14	0.24
(1,1631)	1:175:A:GLN:HG3	1:191:A:ARG:HA	14	0.24
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	13	0.24
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	13	0.24
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	13	0.24
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	4	0.24
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	4	0.24
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	4	0.24
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	19	0.24
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	19	0.24
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	19	0.24
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	19	0.24
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	19	0.24
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	19	0.24
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	19	0.24
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	19	0.24
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	19	0.24
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	11	0.24
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	11	0.24
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	11	0.24
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	12	0.24
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	12	0.24
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	12	0.24
(1,1481)	1:103:A:ILE:HD11	1:194:A:ILE:HG21	19	0.24
(1,1481)	1:103:A:ILE:HD11	1:194:A:ILE:HG22	19	0.24
(1,1481)	1:103:A:ILE:HD11	1:194:A:ILE:HG23	19	0.24
(1,1481)	1:103:A:ILE:HD12	1:194:A:ILE:HG21	19	0.24
(1,1481)	1:103:A:ILE:HD12	1:194:A:ILE:HG22	19	0.24
(1,1481)	1:103:A:ILE:HD12	1:194:A:ILE:HG23	19	0.24
(1,1481)	1:103:A:ILE:HD13	1:194:A:ILE:HG21	19	0.24
(1,1481)	1:103:A:ILE:HD13	1:194:A:ILE:HG22	19	0.24
(1,1481)	1:103:A:ILE:HD13	1:194:A:ILE:HG23	19	0.24
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	1	0.24
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	1	0.24
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	1	0.24
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	1	0.24
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	1	0.24
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	1	0.24
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	1	0.24
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	1	0.24
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	1	0.24
(1,1427)	1:125:A:ARG:HG2	1:190:A:GLU:HB2	4	0.24
(1,1427)	1:125:A:ARG:HG2	1:190:A:GLU:HB3	4	0.24
(1,1427)	1:125:A:ARG:HG3	1:190:A:GLU:HB2	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1427)	1:125:A:ARG:HG3	1:190:A:GLU:HB3	4	0.24
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	8	0.24
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	8	0.24
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	8	0.24
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG11	18	0.24
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG12	18	0.24
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG13	18	0.24
(1,1321)	1:195:A:LYS:HB2	1:196:A:ASP:HA	20	0.24
(1,1321)	1:195:A:LYS:HB3	1:196:A:ASP:HA	20	0.24
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	1	0.24
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	1	0.24
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	1	0.24
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	7	0.24
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	7	0.24
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	7	0.24
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	7	0.24
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	7	0.24
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	7	0.24
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	7	0.24
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	7	0.24
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	7	0.24
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	11	0.24
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	11	0.24
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	11	0.24
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	11	0.24
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	11	0.24
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	11	0.24
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	11	0.24
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	11	0.24
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	11	0.24
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	6	0.24
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	6	0.24
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	4	0.24
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	4	0.24
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	8	0.24
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	8	0.24
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	18	0.24
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	18	0.24
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	7	0.24
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	7	0.24
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	7	0.24
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	9	0.24
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	9	0.24
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	3	0.24
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	3	0.24
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	3	0.24
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG21	5	0.24
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG22	5	0.24
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG23	5	0.24
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	13	0.24
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	13	0.24
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	14	0.24
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	14	0.24
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	14	0.24
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	20	0.24
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	20	0.24
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	20	0.24
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	11	0.24
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	11	0.24
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	11	0.24
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	15	0.24
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	16	0.24
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	3	0.24
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	3	0.24
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	3	0.24
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	9	0.24
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	9	0.24
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	9	0.24
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	9	0.24
(1,834)	1:167:A:ARG:HB2	1:194:A:ILE:H	14	0.24
(1,834)	1:167:A:ARG:HB3	1:194:A:ILE:H	14	0.24
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	9	0.24
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	9	0.24
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	18	0.24
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	18	0.24
(1,764)	1:162:A:GLN:H	1:162:A:GLN:HB3	3	0.24
(1,764)	1:162:A:GLN:H	1:162:A:GLN:HB3	14	0.24
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	5	0.24
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	1	0.24
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	5	0.24
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	13	0.24
(1,504)	1:103:A:ILE:HD11	1:147:A:ALA:H	14	0.24
(1,504)	1:103:A:ILE:HD12	1:147:A:ALA:H	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:103:A:ILE:HD13	1:147:A:ALA:H	14	0.24
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	1	0.24
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	8	0.24
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	18	0.24
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	6	0.24
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	13	0.24
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG21	15	0.24
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG22	15	0.24
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG23	15	0.24
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	4	0.24
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	2	0.24
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	5	0.24
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	16	0.24
(1,343)	1:127:A:GLN:HE22	1:183:A:ASP:HA	2	0.24
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	7	0.24
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	7	0.24
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	17	0.24
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	17	0.24
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	17	0.24
(1,214)	1:117:A:SER:H	1:197:A:VAL:HA	20	0.24
(1,183)	1:111:A:LYS:HE2	1:159:A:ASN:H	19	0.24
(1,183)	1:111:A:LYS:HE3	1:159:A:ASN:H	19	0.24
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	10	0.24
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	5	0.24
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	5	0.24
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	5	0.24
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	7	0.24
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	7	0.24
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	7	0.24
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	12	0.24
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	12	0.24
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	12	0.24
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	17	0.24
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	17	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG11	4	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG12	4	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG13	4	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG21	4	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG22	4	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG23	4	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG11	20	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG12	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG13	20	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG21	20	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG22	20	0.24
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG23	20	0.24
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	4	0.23
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	4	0.23
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	4	0.23
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	4	0.23
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	4	0.23
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	4	0.23
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	4	0.23
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	4	0.23
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	4	0.23
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	4	0.23
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	4	0.23
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	4	0.23
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	4	0.23
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	4	0.23
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	4	0.23
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	4	0.23
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	4	0.23
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	4	0.23
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	16	0.23
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	16	0.23
(1,2080)	1:164:A:LEU:HD21	1:165:A:SER:HB2	3	0.23
(1,2080)	1:164:A:LEU:HD21	1:165:A:SER:HB3	3	0.23
(1,2080)	1:164:A:LEU:HD22	1:165:A:SER:HB2	3	0.23
(1,2080)	1:164:A:LEU:HD22	1:165:A:SER:HB3	3	0.23
(1,2080)	1:164:A:LEU:HD23	1:165:A:SER:HB2	3	0.23
(1,2080)	1:164:A:LEU:HD23	1:165:A:SER:HB3	3	0.23
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE21	1	0.23
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE22	1	0.23
(1,1990)	1:145:A:LEU:HD11	1:148:A:GLN:HE21	7	0.23
(1,1990)	1:145:A:LEU:HD11	1:148:A:GLN:HE22	7	0.23
(1,1990)	1:145:A:LEU:HD12	1:148:A:GLN:HE21	7	0.23
(1,1990)	1:145:A:LEU:HD12	1:148:A:GLN:HE22	7	0.23
(1,1990)	1:145:A:LEU:HD13	1:148:A:GLN:HE21	7	0.23
(1,1990)	1:145:A:LEU:HD13	1:148:A:GLN:HE22	7	0.23
(1,1990)	1:145:A:LEU:HD21	1:148:A:GLN:HE21	7	0.23
(1,1990)	1:145:A:LEU:HD21	1:148:A:GLN:HE22	7	0.23
(1,1990)	1:145:A:LEU:HD22	1:148:A:GLN:HE21	7	0.23
(1,1990)	1:145:A:LEU:HD22	1:148:A:GLN:HE22	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:145:A:LEU:HD23	1:148:A:GLN:HE21	7	0.23
(1,1990)	1:145:A:LEU:HD23	1:148:A:GLN:HE22	7	0.23
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	12	0.23
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	12	0.23
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD11	20	0.23
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD12	20	0.23
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD13	20	0.23
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD21	20	0.23
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD22	20	0.23
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD23	20	0.23
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD11	19	0.23
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD12	19	0.23
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD13	19	0.23
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD21	19	0.23
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD22	19	0.23
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD23	19	0.23
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD11	19	0.23
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD12	19	0.23
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD13	19	0.23
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD21	19	0.23
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD22	19	0.23
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD23	19	0.23
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD11	19	0.23
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD12	19	0.23
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD13	19	0.23
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD21	19	0.23
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD22	19	0.23
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD23	19	0.23
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD11	1	0.23
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD12	1	0.23
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD13	1	0.23
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD21	1	0.23
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD22	1	0.23
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD23	1	0.23
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	1	0.23
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	1	0.23
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	15	0.23
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	15	0.23
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	13	0.23
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	13	0.23
(1,1882)	1:117:A:SER:HB2	1:197:A:VAL:HG11	8	0.23
(1,1882)	1:117:A:SER:HB2	1:197:A:VAL:HG12	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:117:A:SER:HB2	1:197:A:VAL:HG13	8	0.23
(1,1882)	1:117:A:SER:HB2	1:197:A:VAL:HG21	8	0.23
(1,1882)	1:117:A:SER:HB2	1:197:A:VAL:HG22	8	0.23
(1,1882)	1:117:A:SER:HB2	1:197:A:VAL:HG23	8	0.23
(1,1882)	1:117:A:SER:HB3	1:197:A:VAL:HG11	8	0.23
(1,1882)	1:117:A:SER:HB3	1:197:A:VAL:HG12	8	0.23
(1,1882)	1:117:A:SER:HB3	1:197:A:VAL:HG13	8	0.23
(1,1882)	1:117:A:SER:HB3	1:197:A:VAL:HG21	8	0.23
(1,1882)	1:117:A:SER:HB3	1:197:A:VAL:HG22	8	0.23
(1,1882)	1:117:A:SER:HB3	1:197:A:VAL:HG23	8	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	14	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	14	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	14	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	14	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	14	0.23
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	14	0.23
(1,1820)	1:103:A:ILE:HG21	1:118:A:VAL:HG11	10	0.23
(1,1820)	1:103:A:ILE:HG21	1:118:A:VAL:HG12	10	0.23
(1,1820)	1:103:A:ILE:HG21	1:118:A:VAL:HG13	10	0.23
(1,1820)	1:103:A:ILE:HG21	1:118:A:VAL:HG21	10	0.23
(1,1820)	1:103:A:ILE:HG21	1:118:A:VAL:HG22	10	0.23
(1,1820)	1:103:A:ILE:HG21	1:118:A:VAL:HG23	10	0.23
(1,1820)	1:103:A:ILE:HG22	1:118:A:VAL:HG11	10	0.23
(1,1820)	1:103:A:ILE:HG22	1:118:A:VAL:HG12	10	0.23
(1,1820)	1:103:A:ILE:HG22	1:118:A:VAL:HG13	10	0.23
(1,1820)	1:103:A:ILE:HG22	1:118:A:VAL:HG21	10	0.23
(1,1820)	1:103:A:ILE:HG22	1:118:A:VAL:HG22	10	0.23
(1,1820)	1:103:A:ILE:HG22	1:118:A:VAL:HG23	10	0.23
(1,1820)	1:103:A:ILE:HG23	1:118:A:VAL:HG11	10	0.23
(1,1820)	1:103:A:ILE:HG23	1:118:A:VAL:HG12	10	0.23
(1,1820)	1:103:A:ILE:HG23	1:118:A:VAL:HG13	10	0.23
(1,1820)	1:103:A:ILE:HG23	1:118:A:VAL:HG21	10	0.23
(1,1820)	1:103:A:ILE:HG23	1:118:A:VAL:HG22	10	0.23
(1,1820)	1:103:A:ILE:HG23	1:118:A:VAL:HG23	10	0.23
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	1	0.23
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	1	0.23
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	1	0.23
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	20	0.23
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	13	0.23
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	20	0.23
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	20	0.23
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	20	0.23
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	20	0.23
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	20	0.23
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	18	0.23
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	18	0.23
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	1	0.23
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	1	0.23
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	1	0.23
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	1	0.23
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	2	0.23
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	2	0.23
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	2	0.23
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	2	0.23
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	3	0.23
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	3	0.23
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	11	0.23
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	11	0.23
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	11	0.23
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	14	0.23
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	14	0.23
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	14	0.23
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	4	0.23
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	4	0.23
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	4	0.23
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	2	0.23
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	2	0.23
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	2	0.23
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	2	0.23
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	2	0.23
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	2	0.23
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	2	0.23
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	2	0.23
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	2	0.23
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	3	0.23
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	3	0.23
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	3	0.23
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	1	0.23
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	1	0.23
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	1	0.23
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	1	0.23
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	1	0.23
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	20	0.23
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	20	0.23
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	20	0.23
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	10	0.23
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	10	0.23
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	10	0.23
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD11	19	0.23
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD12	19	0.23
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD13	19	0.23
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD11	19	0.23
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD12	19	0.23
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD13	19	0.23
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD11	19	0.23
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD12	19	0.23
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD13	19	0.23
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	16	0.23
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	16	0.23
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	8	0.23
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	8	0.23
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	8	0.23
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG21	20	0.23
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG22	20	0.23
(1,1292)	1:175:A:GLN:HB2	1:192:A:VAL:HG23	20	0.23
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	14	0.23
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	14	0.23
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	14	0.23
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	14	0.23
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	14	0.23
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	14	0.23
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	14	0.23
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	14	0.23
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	14	0.23
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	20	0.23
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	20	0.23
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	20	0.23
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	20	0.23
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	20	0.23
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	20	0.23
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	20	0.23
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	20	0.23
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	20	0.23
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	16	0.23
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	18	0.23
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	11	0.23
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	11	0.23
(1,1075)	1:188:A:LYS:HE2	1:189:A:VAL:H	12	0.23
(1,1075)	1:188:A:LYS:HE3	1:189:A:VAL:H	12	0.23
(1,1015)	1:179:A:ASP:HB2	1:189:A:VAL:H	16	0.23
(1,1014)	1:179:A:ASP:HB3	1:189:A:VAL:H	3	0.23
(1,987)	1:146:A:LEU:HD11	1:178:A:LEU:H	10	0.23
(1,987)	1:146:A:LEU:HD12	1:178:A:LEU:H	10	0.23
(1,987)	1:146:A:LEU:HD13	1:178:A:LEU:H	10	0.23
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	15	0.23
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	10	0.23
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	10	0.23
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	10	0.23
(1,916)	1:173:A:ASN:HA	1:173:A:ASN:HD22	6	0.23
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	9	0.23
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	9	0.23
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	9	0.23
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	13	0.23
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	8	0.23
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	1	0.23
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	1	0.23
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	1	0.23
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	18	0.23
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	18	0.23
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	18	0.23
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	1	0.23
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	1	0.23
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	1	0.23
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	11	0.23
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	11	0.23
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	11	0.23
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD11	12	0.23
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD12	12	0.23
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD13	12	0.23
(1,834)	1:167:A:ARG:HB2	1:194:A:ILE:H	10	0.23
(1,834)	1:167:A:ARG:HB3	1:194:A:ILE:H	10	0.23
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	14	0.23
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	14	0.23
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	14	0.23
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	4	0.23
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	5	0.23
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	5	0.23
(1,803)	1:164:A:LEU:HD21	1:165:A:SER:H	2	0.23
(1,803)	1:164:A:LEU:HD22	1:165:A:SER:H	2	0.23
(1,803)	1:164:A:LEU:HD23	1:165:A:SER:H	2	0.23
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	8	0.23
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	8	0.23
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	11	0.23
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	11	0.23
(1,764)	1:162:A:GLN:H	1:162:A:GLN:HB3	18	0.23
(1,741)	1:159:A:ASN:HD22	1:161:A:SER:HB2	18	0.23
(1,741)	1:159:A:ASN:HD22	1:161:A:SER:HB3	18	0.23
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	14	0.23
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	14	0.23
(1,669)	1:153:A:ASN:HD21	1:154:A:VAL:H	19	0.23
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	5	0.23
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	14	0.23
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	17	0.23
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	6	0.23
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	6	0.23
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	6	0.23
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	20	0.23
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	19	0.23
(1,463)	1:138:A:ASN:H	1:138:A:ASN:HD21	10	0.23
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	19	0.23
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	19	0.23
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	19	0.23
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	18	0.23
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	11	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	5	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	5	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	5	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	13	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	13	0.23
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	13	0.23
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	14	0.23
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	14	0.23
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	13	0.23
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	13	0.23
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	13	0.23
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	11	0.23
(1,19)	1:96:A:MET:H	1:98:A:THR:H	2	0.23
(1,12)	1:95:A:ASP:HB2	1:97:A:ARG:H	6	0.23
(1,1)	1:91:A:SER:HA	1:93:A:HIS:H	13	0.23
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	1	0.22
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	1	0.22
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	1	0.22
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	1	0.22
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	1	0.22
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	1	0.22
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	1	0.22
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	1	0.22
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	1	0.22
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	1	0.22
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	1	0.22
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	1	0.22
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	1	0.22
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	1	0.22
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	1	0.22
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	1	0.22
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	1	0.22
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	1	0.22
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	9	0.22
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	9	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD11	17	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD12	17	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD13	17	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD21	17	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD22	17	0.22
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD23	17	0.22
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	3	0.22
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	3	0.22
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	13	0.22
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	13	0.22
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	13	0.22
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	13	0.22
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	13	0.22
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	13	0.22
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	13	0.22
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	13	0.22
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	13	0.22
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	13	0.22
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	13	0.22
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG11	1	0.22
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG12	1	0.22
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG13	1	0.22
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG21	1	0.22
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG22	1	0.22
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG23	1	0.22
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG11	1	0.22
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG12	1	0.22
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG13	1	0.22
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG21	1	0.22
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG22	1	0.22
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG23	1	0.22
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG11	1	0.22
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG12	1	0.22
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG13	1	0.22
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG21	1	0.22
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG22	1	0.22
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG23	1	0.22
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG11	1	0.22
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG12	1	0.22
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG13	1	0.22
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG21	1	0.22
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG22	1	0.22
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG23	1	0.22
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG11	1	0.22
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG12	1	0.22
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG13	1	0.22
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG21	1	0.22
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG22	1	0.22
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG23	1	0.22
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG11	1	0.22
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG12	1	0.22
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG13	1	0.22
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG21	1	0.22
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG22	1	0.22
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG23	1	0.22
(1,1875)	1:114:A:VAL:HG11	1:201:A:VAL:H	12	0.22
(1,1875)	1:114:A:VAL:HG12	1:201:A:VAL:H	12	0.22
(1,1875)	1:114:A:VAL:HG13	1:201:A:VAL:H	12	0.22
(1,1875)	1:114:A:VAL:HG21	1:201:A:VAL:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:114:A:VAL:HG22	1:201:A:VAL:H	12	0.22
(1,1875)	1:114:A:VAL:HG23	1:201:A:VAL:H	12	0.22
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	9	0.22
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	9	0.22
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	9	0.22
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	9	0.22
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	9	0.22
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	9	0.22
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	7	0.22
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	7	0.22
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	7	0.22
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	11	0.22
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	11	0.22
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	11	0.22
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	15	0.22
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	15	0.22
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	15	0.22
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG2	5	0.22
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG3	5	0.22
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG2	5	0.22
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG3	5	0.22
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG2	5	0.22
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG3	5	0.22
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	3	0.22
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	8	0.22
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	8	0.22
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB2	20	0.22
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB3	20	0.22
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB2	20	0.22
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB3	20	0.22
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB2	20	0.22
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB3	20	0.22
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	13	0.22
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	13	0.22
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	1	0.22
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	1	0.22
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	1	0.22
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	12	0.22
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	12	0.22
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	12	0.22
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	4	0.22
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	4	0.22
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	4	0.22
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	4	0.22
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	4	0.22
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	3	0.22
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	3	0.22
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	3	0.22
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	7	0.22
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	7	0.22
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	7	0.22
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG2	15	0.22
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG3	15	0.22
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG2	15	0.22
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG3	15	0.22
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG2	15	0.22
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG3	15	0.22
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD21	18	0.22
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD22	18	0.22
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD23	18	0.22
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	19	0.22
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	19	0.22
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD11	8	0.22
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD12	8	0.22
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD13	8	0.22
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD11	8	0.22
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD12	8	0.22
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD13	8	0.22
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD11	8	0.22
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD12	8	0.22
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD13	8	0.22
(1,1354)	1:174:A:MET:HE1	1:175:A:GLN:HA	13	0.22
(1,1354)	1:174:A:MET:HE2	1:175:A:GLN:HA	13	0.22
(1,1354)	1:174:A:MET:HE3	1:175:A:GLN:HA	13	0.22
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG21	9	0.22
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG22	9	0.22
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG23	9	0.22
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	9	0.22
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	9	0.22
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	9	0.22
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	9	0.22
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	9	0.22
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	9	0.22
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	9	0.22
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	9	0.22
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD11	6	0.22
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD12	6	0.22
(1,1306)	1:193:A:GLU:HA	1:194:A:ILE:HD13	6	0.22
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD11	19	0.22
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD12	19	0.22
(1,1208)	1:167:A:ARG:HA	1:194:A:ILE:HD13	19	0.22
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	11	0.22
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	11	0.22
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	11	0.22
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	11	0.22
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	11	0.22
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	11	0.22
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	15	0.22
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	15	0.22
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	15	0.22
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	15	0.22
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	15	0.22
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	15	0.22
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	15	0.22
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	15	0.22
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	15	0.22
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	3	0.22
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	3	0.22
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	3	0.22
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	3	0.22
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	3	0.22
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	3	0.22
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	3	0.22
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	3	0.22
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	3	0.22
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	12	0.22
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	12	0.22
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	12	0.22
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	12	0.22
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	12	0.22
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	12	0.22
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	12	0.22
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	12	0.22
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	14	0.22
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	14	0.22
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	14	0.22
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	14	0.22
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	14	0.22
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	14	0.22
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	14	0.22
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	14	0.22
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	14	0.22
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	18	0.22
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	18	0.22
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	3	0.22
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	3	0.22
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	20	0.22
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	20	0.22
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	6	0.22
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	6	0.22
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	6	0.22
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	18	0.22
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	18	0.22
(1,934)	1:174:A:MET:HB3	1:175:A:GLN:HE21	18	0.22
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	8	0.22
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	8	0.22
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	8	0.22
(1,917)	1:173:A:ASN:HA	1:173:A:ASN:HD21	6	0.22
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	8	0.22
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	8	0.22
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	8	0.22
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	6	0.22
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	6	0.22
(1,836)	1:167:A:ARG:HD2	1:194:A:ILE:H	15	0.22
(1,836)	1:167:A:ARG:HD3	1:194:A:ILE:H	15	0.22
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	6	0.22
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	6	0.22
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	10	0.22
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	10	0.22
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	13	0.22
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	13	0.22
(1,811)	1:169:A:GLU:HG2	1:171:A:ALA:H	4	0.22
(1,811)	1:169:A:GLU:HG3	1:171:A:ALA:H	4	0.22
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	16	0.22
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:162:A:GLN:H	1:162:A:GLN:HB3	11	0.22
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	10	0.22
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	10	0.22
(1,669)	1:153:A:ASN:HD21	1:154:A:VAL:H	11	0.22
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	8	0.22
(1,572)	1:148:A:GLN:H	1:148:A:GLN:HG2	7	0.22
(1,572)	1:148:A:GLN:H	1:148:A:GLN:HG3	7	0.22
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	6	0.22
(1,522)	1:140:A:ASP:HB2	1:144:A:ARG:H	5	0.22
(1,522)	1:140:A:ASP:HB3	1:144:A:ARG:H	5	0.22
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	16	0.22
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	17	0.22
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	6	0.22
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	18	0.22
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	18	0.22
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	18	0.22
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	7	0.22
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	13	0.22
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	13	0.22
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	19	0.22
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	3	0.22
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	3	0.22
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	3	0.22
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	3	0.22
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	8	0.22
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	8	0.22
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	8	0.22
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	12	0.22
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	12	0.22
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	12	0.22
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	17	0.22
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	17	0.22
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	17	0.22
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	5	0.22
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	5	0.22
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	7	0.22
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	7	0.22
(1,9)	1:94:A:VAL:HG11	1:96:A:MET:H	5	0.22
(1,9)	1:94:A:VAL:HG12	1:96:A:MET:H	5	0.22
(1,9)	1:94:A:VAL:HG13	1:96:A:MET:H	5	0.22
(1,9)	1:94:A:VAL:HG21	1:96:A:MET:H	5	0.22
(1,9)	1:94:A:VAL:HG22	1:96:A:MET:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:94:A:VAL:HG23	1:96:A:MET:H	5	0.22
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	9	0.21
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	9	0.21
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	9	0.21
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	9	0.21
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	9	0.21
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	9	0.21
(1,2121)	1:191:A:ARG:HA	1:191:A:ARG:HD2	3	0.21
(1,2121)	1:191:A:ARG:HA	1:191:A:ARG:HD3	3	0.21
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	19	0.21
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	19	0.21
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	19	0.21
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	19	0.21
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	19	0.21
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	19	0.21
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	19	0.21
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	19	0.21
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	19	0.21
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	19	0.21
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	19	0.21
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	19	0.21
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	19	0.21
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	19	0.21
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	19	0.21
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	19	0.21
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	19	0.21
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	19	0.21
(1,2020)	1:151:A:LEU:HB2	1:154:A:VAL:HG11	8	0.21
(1,2020)	1:151:A:LEU:HB2	1:154:A:VAL:HG12	8	0.21
(1,2020)	1:151:A:LEU:HB2	1:154:A:VAL:HG13	8	0.21
(1,2020)	1:151:A:LEU:HB2	1:154:A:VAL:HG21	8	0.21
(1,2020)	1:151:A:LEU:HB2	1:154:A:VAL:HG22	8	0.21
(1,2020)	1:151:A:LEU:HB2	1:154:A:VAL:HG23	8	0.21
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD11	18	0.21
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD12	18	0.21
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD13	18	0.21
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD21	18	0.21
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD22	18	0.21
(1,1980)	1:144:A:ARG:H	1:145:A:LEU:HD23	18	0.21
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG11	13	0.21
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG12	13	0.21
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG13	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG21	13	0.21
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG22	13	0.21
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG23	13	0.21
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	12	0.21
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	12	0.21
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	16	0.21
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	16	0.21
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	18	0.21
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	18	0.21
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	2	0.21
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	2	0.21
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	2	0.21
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	2	0.21
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	2	0.21
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	2	0.21
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	2	0.21
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	2	0.21
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	2	0.21
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	2	0.21
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	2	0.21
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	2	0.21
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	10	0.21
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	10	0.21
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	10	0.21
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	10	0.21
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	2	0.21
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	2	0.21
(1,1893)	1:118:A:VAL:HG11	1:152:A:ARG:H	7	0.21
(1,1893)	1:118:A:VAL:HG12	1:152:A:ARG:H	7	0.21
(1,1893)	1:118:A:VAL:HG13	1:152:A:ARG:H	7	0.21
(1,1893)	1:118:A:VAL:HG21	1:152:A:ARG:H	7	0.21
(1,1893)	1:118:A:VAL:HG22	1:152:A:ARG:H	7	0.21
(1,1893)	1:118:A:VAL:HG23	1:152:A:ARG:H	7	0.21
(1,1893)	1:118:A:VAL:HG11	1:152:A:ARG:H	20	0.21
(1,1893)	1:118:A:VAL:HG12	1:152:A:ARG:H	20	0.21
(1,1893)	1:118:A:VAL:HG13	1:152:A:ARG:H	20	0.21
(1,1893)	1:118:A:VAL:HG21	1:152:A:ARG:H	20	0.21
(1,1893)	1:118:A:VAL:HG22	1:152:A:ARG:H	20	0.21
(1,1893)	1:118:A:VAL:HG23	1:152:A:ARG:H	20	0.21
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	13	0.21
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	13	0.21
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	13	0.21
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	13	0.21
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	13	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	4	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	4	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	4	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	4	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	4	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	4	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	8	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	8	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	8	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	8	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	8	0.21
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	8	0.21
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	6	0.21
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	6	0.21
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	6	0.21
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	6	0.21
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	6	0.21
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	6	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	3	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	3	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	3	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	3	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	3	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	3	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	20	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	20	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	20	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	20	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	20	0.21
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	20	0.21
(1,1794)	1:94:A:VAL:HG11	1:95:A:ASP:HB2	7	0.21
(1,1794)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	7	0.21
(1,1794)	1:94:A:VAL:HG12	1:95:A:ASP:HB2	7	0.21
(1,1794)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	7	0.21
(1,1794)	1:94:A:VAL:HG13	1:95:A:ASP:HB2	7	0.21
(1,1794)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	7	0.21
(1,1794)	1:94:A:VAL:HG21	1:95:A:ASP:HB2	7	0.21
(1,1794)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	7	0.21
(1,1794)	1:94:A:VAL:HG22	1:95:A:ASP:HB2	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	7	0.21
(1,1794)	1:94:A:VAL:HG23	1:95:A:ASP:HB2	7	0.21
(1,1794)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	7	0.21
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	8	0.21
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	8	0.21
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	8	0.21
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG2	1	0.21
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG3	1	0.21
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG2	1	0.21
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG3	1	0.21
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG2	1	0.21
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG3	1	0.21
(1,1736)	1:159:A:ASN:HB3	1:160:A:LEU:HB3	8	0.21
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	9	0.21
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	9	0.21
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	9	0.21
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	10	0.21
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	10	0.21
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	10	0.21
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	11	0.21
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	17	0.21
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB1	2	0.21
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB2	2	0.21
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB3	2	0.21
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	4	0.21
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	6	0.21
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	6	0.21
(1,1609)	1:175:A:GLN:HB2	1:176:A:SER:HB2	4	0.21
(1,1609)	1:175:A:GLN:HB2	1:176:A:SER:HB3	4	0.21
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	2	0.21
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	2	0.21
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	2	0.21
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	17	0.21
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	17	0.21
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	17	0.21
(1,1573)	1:130:A:THR:HA	1:131:A:LEU:HG	15	0.21
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	8	0.21
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	8	0.21
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	8	0.21
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	13	0.21
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	13	0.21
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	16	0.21
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	16	0.21
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	16	0.21
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	16	0.21
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	16	0.21
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	16	0.21
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	16	0.21
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	16	0.21
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	16	0.21
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	19	0.21
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	19	0.21
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	19	0.21
(1,1415)	1:151:A:LEU:HD21	1:174:A:MET:HE1	6	0.21
(1,1415)	1:151:A:LEU:HD21	1:174:A:MET:HE2	6	0.21
(1,1415)	1:151:A:LEU:HD21	1:174:A:MET:HE3	6	0.21
(1,1415)	1:151:A:LEU:HD22	1:174:A:MET:HE1	6	0.21
(1,1415)	1:151:A:LEU:HD22	1:174:A:MET:HE2	6	0.21
(1,1415)	1:151:A:LEU:HD22	1:174:A:MET:HE3	6	0.21
(1,1415)	1:151:A:LEU:HD23	1:174:A:MET:HE1	6	0.21
(1,1415)	1:151:A:LEU:HD23	1:174:A:MET:HE2	6	0.21
(1,1415)	1:151:A:LEU:HD23	1:174:A:MET:HE3	6	0.21
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	8	0.21
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	8	0.21
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	8	0.21
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	8	0.21
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	8	0.21
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	8	0.21
(1,1399)	1:98:A:THR:HG21	1:99:A:ILE:HA	13	0.21
(1,1399)	1:98:A:THR:HG22	1:99:A:ILE:HA	13	0.21
(1,1399)	1:98:A:THR:HG23	1:99:A:ILE:HA	13	0.21
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	16	0.21
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	16	0.21
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	16	0.21
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	11	0.21
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	11	0.21
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	11	0.21
(1,1354)	1:174:A:MET:HE1	1:175:A:GLN:HA	3	0.21
(1,1354)	1:174:A:MET:HE2	1:175:A:GLN:HA	3	0.21
(1,1354)	1:174:A:MET:HE3	1:175:A:GLN:HA	3	0.21
(1,1354)	1:174:A:MET:HE1	1:175:A:GLN:HA	20	0.21
(1,1354)	1:174:A:MET:HE2	1:175:A:GLN:HA	20	0.21
(1,1354)	1:174:A:MET:HE3	1:175:A:GLN:HA	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB1	15	0.21
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB2	15	0.21
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB3	15	0.21
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB1	15	0.21
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB2	15	0.21
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB3	15	0.21
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB1	15	0.21
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB2	15	0.21
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB3	15	0.21
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	2	0.21
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	2	0.21
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	2	0.21
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	2	0.21
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	4	0.21
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	4	0.21
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	4	0.21
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	4	0.21
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	8	0.21
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	8	0.21
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	8	0.21
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	8	0.21
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	8	0.21
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	8	0.21
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	8	0.21
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	8	0.21
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	8	0.21
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	2	0.21
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	2	0.21
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	13	0.21
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	13	0.21
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	12	0.21
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	12	0.21
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	12	0.21
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	16	0.21
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	16	0.21
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	16	0.21
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	20	0.21
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	20	0.21
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	20	0.21
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	10	0.21
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	10	0.21
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	12	0.21
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	8	0.21
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	14	0.21
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	18	0.21
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	18	0.21
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	18	0.21
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	6	0.21
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	6	0.21
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	6	0.21
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	5	0.21
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	10	0.21
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	14	0.21
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	10	0.21
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	10	0.21
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	10	0.21
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	19	0.21
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	19	0.21
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	19	0.21
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	13	0.21
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	13	0.21
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	13	0.21
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	13	0.21
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	13	0.21
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	16	0.21
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	16	0.21
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	18	0.21
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	18	0.21
(1,803)	1:164:A:LEU:HD21	1:165:A:SER:H	14	0.21
(1,803)	1:164:A:LEU:HD22	1:165:A:SER:H	14	0.21
(1,803)	1:164:A:LEU:HD23	1:165:A:SER:H	14	0.21
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	5	0.21
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	5	0.21
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	1	0.21
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	1	0.21
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	11	0.21
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	11	0.21
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	19	0.21
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	19	0.21
(1,669)	1:153:A:ASN:HD21	1:154:A:VAL:H	15	0.21
(1,654)	1:152:A:ARG:HD2	1:153:A:ASN:H	15	0.21
(1,539)	1:145:A:LEU:HA	1:148:A:GLN:HE22	10	0.21
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	2	0.21
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	4	0.21
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	20	0.21
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	2	0.21
(1,486)	1:140:A:ASP:HB2	1:143:A:THR:H	19	0.21
(1,486)	1:140:A:ASP:HB3	1:143:A:THR:H	19	0.21
(1,469)	1:139:A:ALA:H	1:141:A:SER:H	7	0.21
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	1	0.21
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	8	0.21
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	16	0.21
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD11	3	0.21
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD12	3	0.21
(1,426)	1:135:A:ASN:H	1:136:A:ILE:HD13	3	0.21
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	3	0.21
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	5	0.21
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	5	0.21
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	18	0.21
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	18	0.21
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	12	0.21
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	12	0.21
(1,332)	1:127:A:GLN:H	1:187:A:ILE:HG13	13	0.21
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	14	0.21
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	14	0.21
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	14	0.21
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	18	0.21
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	18	0.21
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	19	0.21
(1,229)	1:119:A:ASP:H	1:197:A:VAL:HB	19	0.21
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	10	0.21
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	11	0.21
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	11	0.21
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	1	0.21
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	20	0.21
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	12	0.21
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	18	0.21
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	6	0.2
(1,2126)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	6	0.2
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	6	0.2
(1,2126)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	6	0.2
(1,2121)	1:191:A:ARG:HA	1:191:A:ARG:HD2	16	0.2
(1,2121)	1:191:A:ARG:HA	1:191:A:ARG:HD3	16	0.2
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG21	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG22	8	0.2
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG23	8	0.2
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG21	8	0.2
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG22	8	0.2
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG23	8	0.2
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG21	8	0.2
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG22	8	0.2
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG23	8	0.2
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG21	8	0.2
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG22	8	0.2
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG23	8	0.2
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG21	8	0.2
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG22	8	0.2
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG23	8	0.2
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG21	8	0.2
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG22	8	0.2
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG23	8	0.2
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB1	17	0.2
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB2	17	0.2
(1,1972)	1:133:A:VAL:HG11	1:134:A:ALA:HB3	17	0.2
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB1	17	0.2
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB2	17	0.2
(1,1972)	1:133:A:VAL:HG12	1:134:A:ALA:HB3	17	0.2
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB1	17	0.2
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB2	17	0.2
(1,1972)	1:133:A:VAL:HG13	1:134:A:ALA:HB3	17	0.2
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB1	17	0.2
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB2	17	0.2
(1,1972)	1:133:A:VAL:HG21	1:134:A:ALA:HB3	17	0.2
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB1	17	0.2
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB2	17	0.2
(1,1972)	1:133:A:VAL:HG22	1:134:A:ALA:HB3	17	0.2
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB1	17	0.2
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB2	17	0.2
(1,1972)	1:133:A:VAL:HG23	1:134:A:ALA:HB3	17	0.2
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD11	16	0.2
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD12	16	0.2
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD13	16	0.2
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD21	16	0.2
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD22	16	0.2
(1,1960)	1:130:A:THR:HA	1:131:A:LEU:HD23	16	0.2
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	16	0.2
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	16	0.2
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	16	0.2
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	16	0.2
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	16	0.2
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	16	0.2
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	16	0.2
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	16	0.2
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	16	0.2
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	16	0.2
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	16	0.2
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	16	0.2
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	16	0.2
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	16	0.2
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	16	0.2
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	16	0.2
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	16	0.2
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	11	0.2
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	11	0.2
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	11	0.2
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	11	0.2
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	11	0.2
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	11	0.2
(1,1845)	1:109:A:LEU:HD11	1:110:A:THR:H	17	0.2
(1,1845)	1:109:A:LEU:HD12	1:110:A:THR:H	17	0.2
(1,1845)	1:109:A:LEU:HD13	1:110:A:THR:H	17	0.2
(1,1845)	1:109:A:LEU:HD21	1:110:A:THR:H	17	0.2
(1,1845)	1:109:A:LEU:HD22	1:110:A:THR:H	17	0.2
(1,1845)	1:109:A:LEU:HD23	1:110:A:THR:H	17	0.2
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	16	0.2
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	16	0.2
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	16	0.2
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	16	0.2
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	16	0.2
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	16	0.2
(1,1824)	1:103:A:ILE:HD11	1:192:A:VAL:HG11	19	0.2
(1,1824)	1:103:A:ILE:HD11	1:192:A:VAL:HG12	19	0.2
(1,1824)	1:103:A:ILE:HD11	1:192:A:VAL:HG13	19	0.2
(1,1824)	1:103:A:ILE:HD11	1:192:A:VAL:HG21	19	0.2
(1,1824)	1:103:A:ILE:HD11	1:192:A:VAL:HG22	19	0.2
(1,1824)	1:103:A:ILE:HD11	1:192:A:VAL:HG23	19	0.2
(1,1824)	1:103:A:ILE:HD12	1:192:A:VAL:HG11	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:103:A:ILE:HD12	1:192:A:VAL:HG12	19	0.2
(1,1824)	1:103:A:ILE:HD12	1:192:A:VAL:HG13	19	0.2
(1,1824)	1:103:A:ILE:HD12	1:192:A:VAL:HG21	19	0.2
(1,1824)	1:103:A:ILE:HD12	1:192:A:VAL:HG22	19	0.2
(1,1824)	1:103:A:ILE:HD12	1:192:A:VAL:HG23	19	0.2
(1,1824)	1:103:A:ILE:HD13	1:192:A:VAL:HG11	19	0.2
(1,1824)	1:103:A:ILE:HD13	1:192:A:VAL:HG12	19	0.2
(1,1824)	1:103:A:ILE:HD13	1:192:A:VAL:HG13	19	0.2
(1,1824)	1:103:A:ILE:HD13	1:192:A:VAL:HG21	19	0.2
(1,1824)	1:103:A:ILE:HD13	1:192:A:VAL:HG22	19	0.2
(1,1824)	1:103:A:ILE:HD13	1:192:A:VAL:HG23	19	0.2
(1,1805)	1:96:A:MET:HB2	1:126:A:VAL:H	17	0.2
(1,1805)	1:96:A:MET:HB3	1:126:A:VAL:H	17	0.2
(1,1794)	1:94:A:VAL:HG11	1:95:A:ASP:HB2	12	0.2
(1,1794)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	12	0.2
(1,1794)	1:94:A:VAL:HG12	1:95:A:ASP:HB2	12	0.2
(1,1794)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	12	0.2
(1,1794)	1:94:A:VAL:HG13	1:95:A:ASP:HB2	12	0.2
(1,1794)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	12	0.2
(1,1794)	1:94:A:VAL:HG21	1:95:A:ASP:HB2	12	0.2
(1,1794)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	12	0.2
(1,1794)	1:94:A:VAL:HG22	1:95:A:ASP:HB2	12	0.2
(1,1794)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	12	0.2
(1,1794)	1:94:A:VAL:HG23	1:95:A:ASP:HB2	12	0.2
(1,1794)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	12	0.2
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	12	0.2
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	12	0.2
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	12	0.2
(1,1772)	1:129:A:ALA:HB1	1:133:A:VAL:HB	4	0.2
(1,1772)	1:129:A:ALA:HB2	1:133:A:VAL:HB	4	0.2
(1,1772)	1:129:A:ALA:HB3	1:133:A:VAL:HB	4	0.2
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	17	0.2
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	17	0.2
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	17	0.2
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG2	14	0.2
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG3	14	0.2
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG2	14	0.2
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG3	14	0.2
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG2	14	0.2
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG3	14	0.2
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG21	12	0.2
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG22	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG23	12	0.2
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG21	12	0.2
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG22	12	0.2
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG23	12	0.2
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG21	12	0.2
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG22	12	0.2
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG23	12	0.2
(1,1686)	1:116:A:ILE:HG21	1:200:A:PRO:HB3	17	0.2
(1,1686)	1:116:A:ILE:HG22	1:200:A:PRO:HB3	17	0.2
(1,1686)	1:116:A:ILE:HG23	1:200:A:PRO:HB3	17	0.2
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	12	0.2
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	16	0.2
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	16	0.2
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	16	0.2
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	16	0.2
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	16	0.2
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	16	0.2
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	19	0.2
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	19	0.2
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	6	0.2
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	6	0.2
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD21	12	0.2
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD22	12	0.2
(1,1551)	1:177:A:THR:HG21	1:178:A:LEU:HD23	12	0.2
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD21	12	0.2
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD22	12	0.2
(1,1551)	1:177:A:THR:HG22	1:178:A:LEU:HD23	12	0.2
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD21	12	0.2
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD22	12	0.2
(1,1551)	1:177:A:THR:HG23	1:178:A:LEU:HD23	12	0.2
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG21	17	0.2
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG22	17	0.2
(1,1536)	1:134:A:ALA:HA	1:137:A:THR:HG23	17	0.2
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	6	0.2
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	6	0.2
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	6	0.2
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	9	0.2
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	9	0.2
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	9	0.2
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB1	19	0.2
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB2	19	0.2
(1,1473)	1:126:A:VAL:HG21	1:129:A:ALA:HB3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB1	19	0.2
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB2	19	0.2
(1,1473)	1:126:A:VAL:HG22	1:129:A:ALA:HB3	19	0.2
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB1	19	0.2
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB2	19	0.2
(1,1473)	1:126:A:VAL:HG23	1:129:A:ALA:HB3	19	0.2
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB2	3	0.2
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB3	3	0.2
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB2	3	0.2
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB3	3	0.2
(1,1399)	1:98:A:THR:HG21	1:99:A:ILE:HA	3	0.2
(1,1399)	1:98:A:THR:HG22	1:99:A:ILE:HA	3	0.2
(1,1399)	1:98:A:THR:HG23	1:99:A:ILE:HA	3	0.2
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	12	0.2
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	12	0.2
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	12	0.2
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	12	0.2
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	12	0.2
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	12	0.2
(1,1354)	1:174:A:MET:HE1	1:175:A:GLN:HA	19	0.2
(1,1354)	1:174:A:MET:HE2	1:175:A:GLN:HA	19	0.2
(1,1354)	1:174:A:MET:HE3	1:175:A:GLN:HA	19	0.2
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	9	0.2
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	9	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	4	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	4	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	4	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	4	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	4	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	4	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	4	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	4	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	4	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	8	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	8	0.2
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	8	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	8	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	8	0.2
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	8	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	8	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	8	0.2
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:195:A:LYS:HB2	1:196:A:ASP:HA	6	0.2
(1,1321)	1:195:A:LYS:HB3	1:196:A:ASP:HA	6	0.2
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	15	0.2
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	15	0.2
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	15	0.2
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	15	0.2
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	8	0.2
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	8	0.2
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	8	0.2
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	8	0.2
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	8	0.2
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	8	0.2
(1,1184)	1:111:A:LYS:HB3	1:158:A:LYS:HA	2	0.2
(1,1123)	1:115:A:THR:H	1:200:A:PRO:HA	20	0.2
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	2	0.2
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	2	0.2
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	7	0.2
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	7	0.2
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	15	0.2
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	15	0.2
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	15	0.2
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	17	0.2
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	17	0.2
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	17	0.2
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	19	0.2
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	19	0.2
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	19	0.2
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD11	18	0.2
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD12	18	0.2
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD13	18	0.2
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG21	13	0.2
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG22	13	0.2
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG23	13	0.2
(1,1014)	1:179:A:ASP:HB3	1:189:A:VAL:H	17	0.2
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD11	15	0.2
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD12	15	0.2
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD13	15	0.2
(1,994)	1:178:A:LEU:H	1:178:A:LEU:HG	12	0.2
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	16	0.2
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	16	0.2
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	9	0.2
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	1	0.2
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	11	0.2
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	14	0.2
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	3	0.2
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	6	0.2
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	20	0.2
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	8	0.2
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	8	0.2
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	13	0.2
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	13	0.2
(1,934)	1:174:A:MET:HB3	1:175:A:GLN:HE21	10	0.2
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	13	0.2
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	13	0.2
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	13	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	12	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	12	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	19	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	19	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	20	0.2
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	20	0.2
(1,916)	1:173:A:ASN:HA	1:173:A:ASN:HD22	19	0.2
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	7	0.2
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	16	0.2
(1,836)	1:167:A:ARG:HD2	1:194:A:ILE:H	6	0.2
(1,836)	1:167:A:ARG:HD3	1:194:A:ILE:H	6	0.2
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	16	0.2
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	16	0.2
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	12	0.2
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	12	0.2
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	12	0.2
(1,803)	1:164:A:LEU:HD21	1:165:A:SER:H	8	0.2
(1,803)	1:164:A:LEU:HD22	1:165:A:SER:H	8	0.2
(1,803)	1:164:A:LEU:HD23	1:165:A:SER:H	8	0.2
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	13	0.2
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	13	0.2
(1,775)	1:162:A:GLN:HB2	1:164:A:LEU:H	6	0.2
(1,753)	1:163:A:ILE:H	1:164:A:LEU:HB3	8	0.2
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	4	0.2
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	4	0.2
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	4	0.2
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	4	0.2
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	2	0.2
(1,572)	1:148:A:GLN:H	1:148:A:GLN:HG2	19	0.2
(1,572)	1:148:A:GLN:H	1:148:A:GLN:HG3	19	0.2
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	19	0.2
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	19	0.2
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	19	0.2
(1,522)	1:140:A:ASP:HB2	1:144:A:ARG:H	11	0.2
(1,522)	1:140:A:ASP:HB3	1:144:A:ARG:H	11	0.2
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	16	0.2
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	1	0.2
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	4	0.2
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	20	0.2
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	5	0.2
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	11	0.2
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	1	0.2
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	15	0.2
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	7	0.2
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	10	0.2
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	1	0.2
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	1	0.2
(1,332)	1:127:A:GLN:H	1:187:A:ILE:HG13	11	0.2
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	2	0.2
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	4	0.2
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	4	0.2
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	16	0.2
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	16	0.2
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	16	0.2
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	20	0.2
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	1	0.2
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	1	0.2
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	7	0.2
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	7	0.2
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	1	0.2
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	15	0.2
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	15	0.2
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	15	0.2
(1,74)	1:101:A:PHE:HB2	1:102:A:ASP:H	1	0.2
(1,74)	1:101:A:PHE:HB3	1:102:A:ASP:H	1	0.2
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	10	0.2
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	10	0.2
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	18	0.2
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	16	0.2
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	14	0.2
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	16	0.2
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	5	0.19
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	5	0.19
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	5	0.19
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	5	0.19
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	5	0.19
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	5	0.19
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	11	0.19
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	11	0.19
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	1	0.19
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	1	0.19
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	1	0.19
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	1	0.19
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	1	0.19
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	1	0.19
(1,2075)	1:162:A:GLN:HE21	1:163:A:ILE:H	4	0.19
(1,2075)	1:162:A:GLN:HE22	1:163:A:ILE:H	4	0.19
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	3	0.19
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	3	0.19
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	5	0.19
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	5	0.19
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	5	0.19
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	5	0.19
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	5	0.19
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	5	0.19
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	5	0.19
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	5	0.19
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	5	0.19
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	5	0.19
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	5	0.19
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	5	0.19
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	1	0.19
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	1	0.19
(1,1846)	1:109:A:LEU:HD11	1:112:A:ASP:H	11	0.19
(1,1846)	1:109:A:LEU:HD12	1:112:A:ASP:H	11	0.19
(1,1846)	1:109:A:LEU:HD13	1:112:A:ASP:H	11	0.19
(1,1846)	1:109:A:LEU:HD21	1:112:A:ASP:H	11	0.19
(1,1846)	1:109:A:LEU:HD22	1:112:A:ASP:H	11	0.19
(1,1846)	1:109:A:LEU:HD23	1:112:A:ASP:H	11	0.19
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	1	0.19
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	1	0.19
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	1	0.19
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	1	0.19
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	1	0.19
(1,1813)	1:101:A:PHE:H	1:122:A:VAL:HG11	4	0.19
(1,1813)	1:101:A:PHE:H	1:122:A:VAL:HG12	4	0.19
(1,1813)	1:101:A:PHE:H	1:122:A:VAL:HG13	4	0.19
(1,1813)	1:101:A:PHE:H	1:122:A:VAL:HG21	4	0.19
(1,1813)	1:101:A:PHE:H	1:122:A:VAL:HG22	4	0.19
(1,1813)	1:101:A:PHE:H	1:122:A:VAL:HG23	4	0.19
(1,1805)	1:96:A:MET:HB2	1:126:A:VAL:H	14	0.19
(1,1805)	1:96:A:MET:HB3	1:126:A:VAL:H	14	0.19
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	11	0.19
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	11	0.19
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	11	0.19
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	16	0.19
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	16	0.19
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	16	0.19
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG2	18	0.19
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG3	18	0.19
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG2	18	0.19
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG3	18	0.19
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG2	18	0.19
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG3	18	0.19
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	6	0.19
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	17	0.19
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	17	0.19
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	16	0.19
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	16	0.19
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB2	3	0.19
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB3	3	0.19
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB2	3	0.19
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB3	3	0.19
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB2	3	0.19
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB3	3	0.19
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	7	0.19
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	7	0.19
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	7	0.19
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	7	0.19
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	7	0.19
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	20	0.19
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	20	0.19
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	20	0.19
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	20	0.19
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	20	0.19
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	20	0.19
(1,1648)	1:140:A:ASP:HA	1:143:A:THR:HA	19	0.19
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	1	0.19
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	1	0.19
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	4	0.19
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	4	0.19
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	7	0.19
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	7	0.19
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	7	0.19
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	7	0.19
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	9	0.19
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	9	0.19
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	10	0.19
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	10	0.19
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	19	0.19
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	19	0.19
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	19	0.19
(1,1523)	1:146:A:LEU:HG	1:147:A:ALA:HA	13	0.19
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	7	0.19
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	7	0.19
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	7	0.19
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	3	0.19
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	3	0.19
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	3	0.19
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	3	0.19
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	3	0.19
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	3	0.19
(1,1465)	1:192:A:VAL:HA	1:193:A:GLU:HG2	18	0.19
(1,1465)	1:192:A:VAL:HA	1:193:A:GLU:HG3	18	0.19
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	9	0.19
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	9	0.19
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	9	0.19
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	18	0.19
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	18	0.19
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	18	0.19
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	18	0.19
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	18	0.19
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	14	0.19
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	14	0.19
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	14	0.19
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	14	0.19
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	14	0.19
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	14	0.19
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	14	0.19
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	14	0.19
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	14	0.19
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG21	18	0.19
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG22	18	0.19
(1,1185)	1:170:A:ILE:HG21	1:194:A:ILE:HG23	18	0.19
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG21	18	0.19
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG22	18	0.19
(1,1185)	1:170:A:ILE:HG22	1:194:A:ILE:HG23	18	0.19
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG21	18	0.19
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG22	18	0.19
(1,1185)	1:170:A:ILE:HG23	1:194:A:ILE:HG23	18	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	2	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	2	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	2	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	2	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	2	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	2	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	2	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	2	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	2	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	4	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	4	0.19
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	4	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	4	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	4	0.19
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	4	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	4	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	4	0.19
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	4	0.19
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	5	0.19
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	6	0.19
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	6	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	16	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	16	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	19	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	19	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	19	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	20	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	20	0.19
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	20	0.19
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	20	0.19
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	20	0.19
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	20	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	10	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	10	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	10	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	18	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	18	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	18	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	19	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	19	0.19
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	19	0.19
(1,1014)	1:179:A:ASP:HB3	1:189:A:VAL:H	5	0.19
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	11	0.19
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	11	0.19
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	1	0.19
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	1	0.19
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	3	0.19
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	3	0.19
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	17	0.19
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	17	0.19
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	1	0.19
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	1	0.19
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	11	0.19
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	11	0.19
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	2	0.19
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	2	0.19
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	2	0.19
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	1	0.19
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	11	0.19
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	16	0.19
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	7	0.19
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	12	0.19
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	20	0.19
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	14	0.19
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	14	0.19
(1,803)	1:164:A:LEU:HD21	1:165:A:SER:H	3	0.19
(1,803)	1:164:A:LEU:HD22	1:165:A:SER:H	3	0.19
(1,803)	1:164:A:LEU:HD23	1:165:A:SER:H	3	0.19
(1,775)	1:162:A:GLN:HB2	1:164:A:LEU:H	9	0.19
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	2	0.19
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	2	0.19
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB2	17	0.19
(1,744)	1:160:A:LEU:H	1:161:A:SER:HB3	17	0.19
(1,718)	1:111:A:LYS:HD2	1:160:A:LEU:H	20	0.19
(1,718)	1:111:A:LYS:HD3	1:160:A:LEU:H	20	0.19
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE2	2	0.19
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE3	2	0.19
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	12	0.19
(1,645)	1:152:A:ARG:H	1:152:A:ARG:HD2	6	0.19
(1,624)	1:149:A:THR:HG21	1:151:A:LEU:H	11	0.19
(1,624)	1:149:A:THR:HG22	1:151:A:LEU:H	11	0.19
(1,624)	1:149:A:THR:HG23	1:151:A:LEU:H	11	0.19
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	4	0.19
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	10	0.19
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	12	0.19
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	3	0.19
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	11	0.19
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	3	0.19
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	4	0.19
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	14	0.19
(1,418)	1:134:A:ALA:HA	1:137:A:THR:H	3	0.19
(1,418)	1:134:A:ALA:HA	1:137:A:THR:H	10	0.19
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	8	0.19
(1,363)	1:128:A:ASN:HB2	1:130:A:THR:H	7	0.19
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	3	0.19
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	15	0.19
(1,349)	1:127:A:GLN:HE21	1:188:A:LYS:HG2	15	0.19
(1,349)	1:127:A:GLN:HE21	1:188:A:LYS:HG3	15	0.19
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	13	0.19
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	6	0.19
(1,343)	1:127:A:GLN:HE22	1:183:A:ASP:HA	5	0.19
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	20	0.19
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	20	0.19
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	20	0.19
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	6	0.19
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	6	0.19
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	17	0.19
(1,131)	1:108:A:ILE:H	1:118:A:VAL:H	17	0.19
(1,115)	1:123:A:TYR:H	1:192:A:VAL:HB	18	0.19
(1,100)	1:106:A:GLN:H	1:117:A:SER:HB2	11	0.19
(1,100)	1:106:A:GLN:H	1:117:A:SER:HB3	11	0.19
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	16	0.19
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	16	0.19
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	19	0.19
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	19	0.19
(1,14)	1:96:A:MET:H	1:96:A:MET:HG2	20	0.19
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG11	11	0.19
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG12	11	0.19
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG13	11	0.19
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG21	11	0.19
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG22	11	0.19
(1,4)	1:93:A:HIS:H	1:94:A:VAL:HG23	11	0.19
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	10	0.19
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	11	0.18
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	11	0.18
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	11	0.18
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	11	0.18
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	11	0.18
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	11	0.18
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	11	0.18
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	11	0.18
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	11	0.18
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	11	0.18
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	11	0.18
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	11	0.18
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	11	0.18
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	11	0.18
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	11	0.18
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	11	0.18
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	11	0.18
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	11	0.18
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	17	0.18
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	17	0.18
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG21	6	0.18
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG22	6	0.18
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG23	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG21	6	0.18
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG22	6	0.18
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG23	6	0.18
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG21	6	0.18
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG22	6	0.18
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG23	6	0.18
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG21	6	0.18
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG22	6	0.18
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG23	6	0.18
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG21	6	0.18
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG22	6	0.18
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG23	6	0.18
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG21	6	0.18
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG22	6	0.18
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG23	6	0.18
(1,2055)	1:155:A:LEU:HD11	1:158:A:LYS:HG2	15	0.18
(1,2055)	1:155:A:LEU:HD11	1:158:A:LYS:HG3	15	0.18
(1,2055)	1:155:A:LEU:HD12	1:158:A:LYS:HG2	15	0.18
(1,2055)	1:155:A:LEU:HD12	1:158:A:LYS:HG3	15	0.18
(1,2055)	1:155:A:LEU:HD13	1:158:A:LYS:HG2	15	0.18
(1,2055)	1:155:A:LEU:HD13	1:158:A:LYS:HG3	15	0.18
(1,2055)	1:155:A:LEU:HD21	1:158:A:LYS:HG2	15	0.18
(1,2055)	1:155:A:LEU:HD21	1:158:A:LYS:HG3	15	0.18
(1,2055)	1:155:A:LEU:HD22	1:158:A:LYS:HG2	15	0.18
(1,2055)	1:155:A:LEU:HD22	1:158:A:LYS:HG3	15	0.18
(1,2055)	1:155:A:LEU:HD23	1:158:A:LYS:HG2	15	0.18
(1,2055)	1:155:A:LEU:HD23	1:158:A:LYS:HG3	15	0.18
(1,1962)	1:130:A:THR:HG21	1:131:A:LEU:HD11	3	0.18
(1,1962)	1:130:A:THR:HG21	1:131:A:LEU:HD12	3	0.18
(1,1962)	1:130:A:THR:HG21	1:131:A:LEU:HD13	3	0.18
(1,1962)	1:130:A:THR:HG21	1:131:A:LEU:HD21	3	0.18
(1,1962)	1:130:A:THR:HG21	1:131:A:LEU:HD22	3	0.18
(1,1962)	1:130:A:THR:HG21	1:131:A:LEU:HD23	3	0.18
(1,1962)	1:130:A:THR:HG22	1:131:A:LEU:HD11	3	0.18
(1,1962)	1:130:A:THR:HG22	1:131:A:LEU:HD12	3	0.18
(1,1962)	1:130:A:THR:HG22	1:131:A:LEU:HD13	3	0.18
(1,1962)	1:130:A:THR:HG22	1:131:A:LEU:HD21	3	0.18
(1,1962)	1:130:A:THR:HG22	1:131:A:LEU:HD22	3	0.18
(1,1962)	1:130:A:THR:HG22	1:131:A:LEU:HD23	3	0.18
(1,1962)	1:130:A:THR:HG23	1:131:A:LEU:HD11	3	0.18
(1,1962)	1:130:A:THR:HG23	1:131:A:LEU:HD12	3	0.18
(1,1962)	1:130:A:THR:HG23	1:131:A:LEU:HD13	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:130:A:THR:HG23	1:131:A:LEU:HD21	3	0.18
(1,1962)	1:130:A:THR:HG23	1:131:A:LEU:HD22	3	0.18
(1,1962)	1:130:A:THR:HG23	1:131:A:LEU:HD23	3	0.18
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	5	0.18
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	5	0.18
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	19	0.18
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	19	0.18
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD21	9	0.18
(1,1936)	1:126:A:VAL:HG11	1:128:A:ASN:HD22	9	0.18
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD21	9	0.18
(1,1936)	1:126:A:VAL:HG12	1:128:A:ASN:HD22	9	0.18
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD21	9	0.18
(1,1936)	1:126:A:VAL:HG13	1:128:A:ASN:HD22	9	0.18
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD21	9	0.18
(1,1936)	1:126:A:VAL:HG21	1:128:A:ASN:HD22	9	0.18
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD21	9	0.18
(1,1936)	1:126:A:VAL:HG22	1:128:A:ASN:HD22	9	0.18
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD21	9	0.18
(1,1936)	1:126:A:VAL:HG23	1:128:A:ASN:HD22	9	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG11	14	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG12	14	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG13	14	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG21	14	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG22	14	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG23	14	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG11	14	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG12	14	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG13	14	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG21	14	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG22	14	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG23	14	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG11	14	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG12	14	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG13	14	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG21	14	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG22	14	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG23	14	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG11	14	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG12	14	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG13	14	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG21	14	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG22	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG23	14	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG11	14	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG12	14	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG13	14	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG21	14	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG22	14	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG23	14	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG11	14	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG12	14	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG13	14	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG21	14	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG22	14	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG23	14	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG11	16	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG12	16	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG13	16	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG21	16	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG22	16	0.18
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG23	16	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG11	16	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG12	16	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG13	16	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG21	16	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG22	16	0.18
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG23	16	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG11	16	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG12	16	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG13	16	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG21	16	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG22	16	0.18
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG23	16	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG11	16	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG12	16	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG13	16	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG21	16	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG22	16	0.18
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG23	16	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG11	16	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG12	16	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG13	16	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG21	16	0.18
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG22	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG23	16	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG11	16	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG12	16	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG13	16	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG21	16	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG22	16	0.18
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG23	16	0.18
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	3	0.18
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	3	0.18
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	3	0.18
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	3	0.18
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	3	0.18
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	3	0.18
(1,1846)	1:109:A:LEU:HD11	1:112:A:ASP:H	13	0.18
(1,1846)	1:109:A:LEU:HD12	1:112:A:ASP:H	13	0.18
(1,1846)	1:109:A:LEU:HD13	1:112:A:ASP:H	13	0.18
(1,1846)	1:109:A:LEU:HD21	1:112:A:ASP:H	13	0.18
(1,1846)	1:109:A:LEU:HD22	1:112:A:ASP:H	13	0.18
(1,1846)	1:109:A:LEU:HD23	1:112:A:ASP:H	13	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	16	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	16	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	16	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	16	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	16	0.18
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	16	0.18
(1,1802)	1:96:A:MET:HB2	1:97:A:ARG:H	2	0.18
(1,1802)	1:96:A:MET:HB3	1:97:A:ARG:H	2	0.18
(1,1781)	1:170:A:ILE:HG21	1:194:A:ILE:HB	10	0.18
(1,1781)	1:170:A:ILE:HG22	1:194:A:ILE:HB	10	0.18
(1,1781)	1:170:A:ILE:HG23	1:194:A:ILE:HB	10	0.18
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG2	11	0.18
(1,1754)	1:103:A:ILE:HG21	1:174:A:MET:HG3	11	0.18
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG2	11	0.18
(1,1754)	1:103:A:ILE:HG22	1:174:A:MET:HG3	11	0.18
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG2	11	0.18
(1,1754)	1:103:A:ILE:HG23	1:174:A:MET:HG3	11	0.18
(1,1749)	1:171:A:ALA:HB1	1:193:A:GLU:HG2	16	0.18
(1,1749)	1:171:A:ALA:HB1	1:193:A:GLU:HG3	16	0.18
(1,1749)	1:171:A:ALA:HB2	1:193:A:GLU:HG2	16	0.18
(1,1749)	1:171:A:ALA:HB2	1:193:A:GLU:HG3	16	0.18
(1,1749)	1:171:A:ALA:HB3	1:193:A:GLU:HG2	16	0.18
(1,1749)	1:171:A:ALA:HB3	1:193:A:GLU:HG3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:163:A:ILE:HB	1:170:A:ILE:HB	8	0.18
(1,1700)	1:154:A:VAL:HA	1:158:A:LYS:HD2	10	0.18
(1,1700)	1:154:A:VAL:HA	1:158:A:LYS:HD3	10	0.18
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	8	0.18
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	20	0.18
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	20	0.18
(1,1659)	1:183:A:ASP:HA	1:187:A:ILE:HD11	1	0.18
(1,1659)	1:183:A:ASP:HA	1:187:A:ILE:HD12	1	0.18
(1,1659)	1:183:A:ASP:HA	1:187:A:ILE:HD13	1	0.18
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	10	0.18
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	10	0.18
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	10	0.18
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	10	0.18
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	10	0.18
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	10	0.18
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	14	0.18
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	14	0.18
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	10	0.18
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	10	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	2	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	2	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	5	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	5	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	8	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	8	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	11	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	11	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	13	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	13	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	14	0.18
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	14	0.18
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	18	0.18
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	18	0.18
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	18	0.18
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	15	0.18
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	15	0.18
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	15	0.18
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	6	0.18
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	6	0.18
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	6	0.18
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB1	20	0.18
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB3	20	0.18
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB1	20	0.18
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB2	20	0.18
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB3	20	0.18
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB1	20	0.18
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB2	20	0.18
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB3	20	0.18
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD21	20	0.18
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD22	20	0.18
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD23	20	0.18
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	14	0.18
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	14	0.18
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	14	0.18
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	1	0.18
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	1	0.18
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	8	0.18
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	8	0.18
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	8	0.18
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	8	0.18
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	8	0.18
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	8	0.18
(1,1354)	1:174:A:MET:HE1	1:175:A:GLN:HA	15	0.18
(1,1354)	1:174:A:MET:HE2	1:175:A:GLN:HA	15	0.18
(1,1354)	1:174:A:MET:HE3	1:175:A:GLN:HA	15	0.18
(1,1342)	1:176:A:SER:HB2	1:177:A:THR:HA	3	0.18
(1,1342)	1:176:A:SER:HB3	1:177:A:THR:HA	3	0.18
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	3	0.18
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	3	0.18
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	3	0.18
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	3	0.18
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	3	0.18
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	3	0.18
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	3	0.18
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	3	0.18
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	3	0.18
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	20	0.18
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	20	0.18
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	20	0.18
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	20	0.18
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	20	0.18
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	20	0.18
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	20	0.18
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	20	0.18
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	3	0.18
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	3	0.18
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	19	0.18
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	19	0.18
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	19	0.18
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	9	0.18
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	9	0.18
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	9	0.18
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	9	0.18
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	9	0.18
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	9	0.18
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	9	0.18
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	9	0.18
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	9	0.18
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	19	0.18
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	19	0.18
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	19	0.18
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	4	0.18
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	4	0.18
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	4	0.18
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	13	0.18
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	13	0.18
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	13	0.18
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	14	0.18
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	14	0.18
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	14	0.18
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	1	0.18
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	1	0.18
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	1	0.18
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	6	0.18
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	6	0.18
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	6	0.18
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	4	0.18
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	4	0.18
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	4	0.18
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	14	0.18
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	14	0.18
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	14	0.18
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG21	6	0.18
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG22	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG23	6	0.18
(1,969)	1:176:A:SER:H	1:179:A:ASP:HB2	19	0.18
(1,966)	1:176:A:SER:H	1:178:A:LEU:H	5	0.18
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	5	0.18
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	10	0.18
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	10	0.18
(1,934)	1:174:A:MET:HB3	1:175:A:GLN:HE21	7	0.18
(1,932)	1:174:A:MET:HE1	1:175:A:GLN:HE21	13	0.18
(1,932)	1:174:A:MET:HE2	1:175:A:GLN:HE21	13	0.18
(1,932)	1:174:A:MET:HE3	1:175:A:GLN:HE21	13	0.18
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	16	0.18
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	16	0.18
(1,889)	1:165:A:SER:HB3	1:166:A:ASP:H	16	0.18
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	3	0.18
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	3	0.18
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	3	0.18
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	11	0.18
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	11	0.18
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	3	0.18
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	3	0.18
(1,805)	1:165:A:SER:H	1:166:A:ASP:HB2	15	0.18
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	1	0.18
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	1	0.18
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	17	0.18
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	3	0.18
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	3	0.18
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	3	0.18
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	13	0.18
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	19	0.18
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	2	0.18
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	4	0.18
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	17	0.18
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	18	0.18
(1,504)	1:103:A:ILE:HD11	1:147:A:ALA:H	10	0.18
(1,504)	1:103:A:ILE:HD12	1:147:A:ALA:H	10	0.18
(1,504)	1:103:A:ILE:HD13	1:147:A:ALA:H	10	0.18
(1,504)	1:103:A:ILE:HD11	1:147:A:ALA:H	15	0.18
(1,504)	1:103:A:ILE:HD12	1:147:A:ALA:H	15	0.18
(1,504)	1:103:A:ILE:HD13	1:147:A:ALA:H	15	0.18
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	3	0.18
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	10	0.18
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	17	0.18
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB2	18	0.18
(1,467)	1:139:A:ALA:H	1:140:A:ASP:HB3	18	0.18
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	2	0.18
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	14	0.18
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	20	0.18
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	14	0.18
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	18	0.18
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	18	0.18
(1,332)	1:127:A:GLN:H	1:187:A:ILE:HG13	5	0.18
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	13	0.18
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	17	0.18
(1,217)	1:117:A:SER:H	1:198:A:LYS:HG2	13	0.18
(1,217)	1:117:A:SER:H	1:198:A:LYS:HG3	13	0.18
(1,209)	1:109:A:LEU:HA	1:115:A:THR:H	2	0.18
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	16	0.18
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	16	0.18
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	7	0.18
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	7	0.18
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	7	0.18
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	14	0.18
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	14	0.18
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	14	0.18
(1,74)	1:101:A:PHE:HB2	1:102:A:ASP:H	5	0.18
(1,74)	1:101:A:PHE:HB3	1:102:A:ASP:H	5	0.18
(1,37)	1:98:A:THR:HG21	1:100:A:SER:H	15	0.18
(1,37)	1:98:A:THR:HG22	1:100:A:SER:H	15	0.18
(1,37)	1:98:A:THR:HG23	1:100:A:SER:H	15	0.18
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	9	0.18
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	9	0.18
(1,22)	1:96:A:MET:HB3	1:97:A:ARG:H	3	0.18
(1,22)	1:96:A:MET:HB3	1:97:A:ARG:H	5	0.18
(1,14)	1:96:A:MET:H	1:96:A:MET:HG2	1	0.18
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	7	0.17
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	7	0.17
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	7	0.17
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	7	0.17
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	7	0.17
(1,2078)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	7	0.17
(1,2059)	1:155:A:LEU:HD11	1:163:A:ILE:HD11	10	0.17
(1,2059)	1:155:A:LEU:HD11	1:163:A:ILE:HD12	10	0.17
(1,2059)	1:155:A:LEU:HD11	1:163:A:ILE:HD13	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:155:A:LEU:HD12	1:163:A:ILE:HD11	10	0.17
(1,2059)	1:155:A:LEU:HD12	1:163:A:ILE:HD12	10	0.17
(1,2059)	1:155:A:LEU:HD12	1:163:A:ILE:HD13	10	0.17
(1,2059)	1:155:A:LEU:HD13	1:163:A:ILE:HD11	10	0.17
(1,2059)	1:155:A:LEU:HD13	1:163:A:ILE:HD12	10	0.17
(1,2059)	1:155:A:LEU:HD13	1:163:A:ILE:HD13	10	0.17
(1,2059)	1:155:A:LEU:HD21	1:163:A:ILE:HD11	10	0.17
(1,2059)	1:155:A:LEU:HD21	1:163:A:ILE:HD12	10	0.17
(1,2059)	1:155:A:LEU:HD21	1:163:A:ILE:HD13	10	0.17
(1,2059)	1:155:A:LEU:HD22	1:163:A:ILE:HD11	10	0.17
(1,2059)	1:155:A:LEU:HD22	1:163:A:ILE:HD12	10	0.17
(1,2059)	1:155:A:LEU:HD22	1:163:A:ILE:HD13	10	0.17
(1,2059)	1:155:A:LEU:HD23	1:163:A:ILE:HD11	10	0.17
(1,2059)	1:155:A:LEU:HD23	1:163:A:ILE:HD12	10	0.17
(1,2059)	1:155:A:LEU:HD23	1:163:A:ILE:HD13	10	0.17
(1,2012)	1:147:A:ALA:HB1	1:148:A:GLN:HE21	11	0.17
(1,2012)	1:147:A:ALA:HB1	1:148:A:GLN:HE22	11	0.17
(1,2012)	1:147:A:ALA:HB2	1:148:A:GLN:HE21	11	0.17
(1,2012)	1:147:A:ALA:HB2	1:148:A:GLN:HE22	11	0.17
(1,2012)	1:147:A:ALA:HB3	1:148:A:GLN:HE21	11	0.17
(1,2012)	1:147:A:ALA:HB3	1:148:A:GLN:HE22	11	0.17
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD11	3	0.17
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD12	3	0.17
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD13	3	0.17
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD21	3	0.17
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD22	3	0.17
(1,1974)	1:141:A:SER:HB2	1:145:A:LEU:HD23	3	0.17
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	10	0.17
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	10	0.17
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	3	0.17
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	3	0.17
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	19	0.17
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	19	0.17
(1,1893)	1:118:A:VAL:HG11	1:152:A:ARG:H	18	0.17
(1,1893)	1:118:A:VAL:HG12	1:152:A:ARG:H	18	0.17
(1,1893)	1:118:A:VAL:HG13	1:152:A:ARG:H	18	0.17
(1,1893)	1:118:A:VAL:HG21	1:152:A:ARG:H	18	0.17
(1,1893)	1:118:A:VAL:HG22	1:152:A:ARG:H	18	0.17
(1,1893)	1:118:A:VAL:HG23	1:152:A:ARG:H	18	0.17
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG11	12	0.17
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG12	12	0.17
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG13	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG21	12	0.17
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG22	12	0.17
(1,1880)	1:117:A:SER:H	1:197:A:VAL:HG23	12	0.17
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	7	0.17
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	7	0.17
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	7	0.17
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	7	0.17
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	7	0.17
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	7	0.17
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	10	0.17
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	10	0.17
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	10	0.17
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	10	0.17
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	10	0.17
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	10	0.17
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	16	0.17
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	16	0.17
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	16	0.17
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	16	0.17
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	16	0.17
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	16	0.17
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	20	0.17
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	20	0.17
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	20	0.17
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	20	0.17
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	20	0.17
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	20	0.17
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	1	0.17
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	1	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	5	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	5	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	5	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	5	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	5	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	5	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	18	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	18	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	18	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	18	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	18	0.17
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	18	0.17
(1,1791)	1:103:A:ILE:HG21	1:148:A:GLN:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1791)	1:103:A:ILE:HG21	1:148:A:GLN:HB3	13	0.17
(1,1791)	1:103:A:ILE:HG22	1:148:A:GLN:HB2	13	0.17
(1,1791)	1:103:A:ILE:HG22	1:148:A:GLN:HB3	13	0.17
(1,1791)	1:103:A:ILE:HG23	1:148:A:GLN:HB2	13	0.17
(1,1791)	1:103:A:ILE:HG23	1:148:A:GLN:HB3	13	0.17
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	6	0.17
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	6	0.17
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	6	0.17
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	13	0.17
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	13	0.17
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	13	0.17
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	4	0.17
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB1	16	0.17
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB2	16	0.17
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB3	16	0.17
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB1	18	0.17
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB2	18	0.17
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB3	18	0.17
(1,1625)	1:103:A:ILE:HG21	1:144:A:ARG:HD2	18	0.17
(1,1625)	1:103:A:ILE:HG21	1:144:A:ARG:HD3	18	0.17
(1,1625)	1:103:A:ILE:HG22	1:144:A:ARG:HD2	18	0.17
(1,1625)	1:103:A:ILE:HG22	1:144:A:ARG:HD3	18	0.17
(1,1625)	1:103:A:ILE:HG23	1:144:A:ARG:HD2	18	0.17
(1,1625)	1:103:A:ILE:HG23	1:144:A:ARG:HD3	18	0.17
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG2	2	0.17
(1,1600)	1:191:A:ARG:HD3	1:193:A:GLU:HG3	2	0.17
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	18	0.17
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	18	0.17
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	18	0.17
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	12	0.17
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	12	0.17
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	12	0.17
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	1	0.17
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	1	0.17
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	1	0.17
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	16	0.17
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	16	0.17
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	16	0.17
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB1	13	0.17
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB2	13	0.17
(1,1452)	1:137:A:THR:HG21	1:139:A:ALA:HB3	13	0.17
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB1	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB2	13	0.17
(1,1452)	1:137:A:THR:HG22	1:139:A:ALA:HB3	13	0.17
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB1	13	0.17
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB2	13	0.17
(1,1452)	1:137:A:THR:HG23	1:139:A:ALA:HB3	13	0.17
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB2	16	0.17
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB3	16	0.17
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB2	16	0.17
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB3	16	0.17
(1,1399)	1:98:A:THR:HG21	1:99:A:ILE:HA	17	0.17
(1,1399)	1:98:A:THR:HG22	1:99:A:ILE:HA	17	0.17
(1,1399)	1:98:A:THR:HG23	1:99:A:ILE:HA	17	0.17
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	1	0.17
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	1	0.17
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	1	0.17
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD11	17	0.17
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD12	17	0.17
(1,1398)	1:186:A:GLY:HA2	1:187:A:ILE:HD13	17	0.17
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	6	0.17
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	6	0.17
(1,1378)	1:100:A:SER:HB2	1:101:A:PHE:HA	12	0.17
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD11	20	0.17
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD12	20	0.17
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD13	20	0.17
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG21	17	0.17
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG22	17	0.17
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG23	17	0.17
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	13	0.17
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	13	0.17
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	12	0.17
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	12	0.17
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	12	0.17
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	18	0.17
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	18	0.17
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	18	0.17
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	1	0.17
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	1	0.17
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	19	0.17
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	19	0.17
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	9	0.17
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	9	0.17
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	10	0.17
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	15	0.17
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	15	0.17
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	15	0.17
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	15	0.17
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	15	0.17
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	15	0.17
(1,1015)	1:179:A:ASP:HB2	1:189:A:VAL:H	5	0.17
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	14	0.17
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	14	0.17
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	18	0.17
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	16	0.17
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	14	0.17
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	14	0.17
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	7	0.17
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	7	0.17
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	7	0.17
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	9	0.17
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	9	0.17
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	9	0.17
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB2	2	0.17
(1,922)	1:173:A:ASN:HD21	1:176:A:SER:HB3	2	0.17
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	6	0.17
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	8	0.17
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	1	0.17
(1,894)	1:97:A:ARG:HG2	1:98:A:THR:H	2	0.17
(1,894)	1:97:A:ARG:HG3	1:98:A:THR:H	2	0.17
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	6	0.17
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	6	0.17
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	8	0.17
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	8	0.17
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	11	0.17
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	11	0.17
(1,835)	1:167:A:ARG:HD2	1:168:A:GLU:H	15	0.17
(1,835)	1:167:A:ARG:HD3	1:168:A:GLU:H	15	0.17
(1,806)	1:167:A:ARG:HA	1:171:A:ALA:H	14	0.17
(1,805)	1:165:A:SER:H	1:166:A:ASP:HB2	1	0.17
(1,803)	1:164:A:LEU:HD21	1:165:A:SER:H	6	0.17
(1,803)	1:164:A:LEU:HD22	1:165:A:SER:H	6	0.17
(1,803)	1:164:A:LEU:HD23	1:165:A:SER:H	6	0.17
(1,792)	1:163:A:ILE:HD11	1:165:A:SER:H	8	0.17
(1,792)	1:163:A:ILE:HD12	1:165:A:SER:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:163:A:ILE:HD13	1:165:A:SER:H	8	0.17
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	15	0.17
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	15	0.17
(1,649)	1:152:A:ARG:HE	1:153:A:ASN:HD22	5	0.17
(1,645)	1:152:A:ARG:H	1:152:A:ARG:HD2	13	0.17
(1,539)	1:145:A:LEU:HA	1:148:A:GLN:HE22	7	0.17
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	11	0.17
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	9	0.17
(1,486)	1:140:A:ASP:HB2	1:143:A:THR:H	12	0.17
(1,486)	1:140:A:ASP:HB3	1:143:A:THR:H	12	0.17
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	12	0.17
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	12	0.17
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	12	0.17
(1,448)	1:136:A:ILE:HG21	1:139:A:ALA:H	20	0.17
(1,448)	1:136:A:ILE:HG22	1:139:A:ALA:H	20	0.17
(1,448)	1:136:A:ILE:HG23	1:139:A:ALA:H	20	0.17
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	7	0.17
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG21	16	0.17
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG22	16	0.17
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG23	16	0.17
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	1	0.17
(1,339)	1:127:A:GLN:HB2	1:188:A:LYS:H	2	0.17
(1,339)	1:127:A:GLN:HB3	1:188:A:LYS:H	2	0.17
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG21	19	0.17
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG22	19	0.17
(1,265)	1:193:A:GLU:H	1:194:A:ILE:HG23	19	0.17
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	18	0.17
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	18	0.17
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	4	0.17
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	4	0.17
(1,171)	1:111:A:LYS:HD2	1:112:A:ASP:H	19	0.17
(1,171)	1:111:A:LYS:HD3	1:112:A:ASP:H	19	0.17
(1,74)	1:101:A:PHE:HB2	1:102:A:ASP:H	4	0.17
(1,74)	1:101:A:PHE:HB3	1:102:A:ASP:H	4	0.17
(1,22)	1:96:A:MET:HB3	1:97:A:ARG:H	1	0.17
(1,22)	1:96:A:MET:HB3	1:97:A:ARG:H	14	0.17
(1,19)	1:96:A:MET:H	1:98:A:THR:H	3	0.17
(1,14)	1:96:A:MET:H	1:96:A:MET:HG2	9	0.17
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	6	0.17
(1,2146)	1:201:A:VAL:HG11	1:202:A:GLN:HA	3	0.16
(1,2146)	1:201:A:VAL:HG12	1:202:A:GLN:HA	3	0.16
(1,2146)	1:201:A:VAL:HG13	1:202:A:GLN:HA	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:201:A:VAL:HG21	1:202:A:GLN:HA	3	0.16
(1,2146)	1:201:A:VAL:HG22	1:202:A:GLN:HA	3	0.16
(1,2146)	1:201:A:VAL:HG23	1:202:A:GLN:HA	3	0.16
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG11	11	0.16
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG12	11	0.16
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG13	11	0.16
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG21	11	0.16
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG22	11	0.16
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG23	11	0.16
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG11	11	0.16
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG12	11	0.16
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG13	11	0.16
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG21	11	0.16
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG22	11	0.16
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG23	11	0.16
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	16	0.16
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	16	0.16
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	16	0.16
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	16	0.16
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	16	0.16
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	16	0.16
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	16	0.16
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	16	0.16
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	16	0.16
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	16	0.16
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	16	0.16
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	16	0.16
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	16	0.16
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	16	0.16
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	16	0.16
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	16	0.16
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	16	0.16
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	16	0.16
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD11	13	0.16
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD12	13	0.16
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD13	13	0.16
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD21	13	0.16
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD22	13	0.16
(1,2099)	1:174:A:MET:HE1	1:178:A:LEU:HD23	13	0.16
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD11	13	0.16
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD12	13	0.16
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD13	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD21	13	0.16
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD22	13	0.16
(1,2099)	1:174:A:MET:HE2	1:178:A:LEU:HD23	13	0.16
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD11	13	0.16
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD12	13	0.16
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD13	13	0.16
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD21	13	0.16
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD22	13	0.16
(1,2099)	1:174:A:MET:HE3	1:178:A:LEU:HD23	13	0.16
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	19	0.16
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	19	0.16
(1,2080)	1:164:A:LEU:HD21	1:165:A:SER:HB2	8	0.16
(1,2080)	1:164:A:LEU:HD21	1:165:A:SER:HB3	8	0.16
(1,2080)	1:164:A:LEU:HD22	1:165:A:SER:HB2	8	0.16
(1,2080)	1:164:A:LEU:HD22	1:165:A:SER:HB3	8	0.16
(1,2080)	1:164:A:LEU:HD23	1:165:A:SER:HB2	8	0.16
(1,2080)	1:164:A:LEU:HD23	1:165:A:SER:HB3	8	0.16
(1,2055)	1:155:A:LEU:HD11	1:158:A:LYS:HG2	3	0.16
(1,2055)	1:155:A:LEU:HD11	1:158:A:LYS:HG3	3	0.16
(1,2055)	1:155:A:LEU:HD12	1:158:A:LYS:HG2	3	0.16
(1,2055)	1:155:A:LEU:HD12	1:158:A:LYS:HG3	3	0.16
(1,2055)	1:155:A:LEU:HD13	1:158:A:LYS:HG2	3	0.16
(1,2055)	1:155:A:LEU:HD13	1:158:A:LYS:HG3	3	0.16
(1,2055)	1:155:A:LEU:HD21	1:158:A:LYS:HG2	3	0.16
(1,2055)	1:155:A:LEU:HD21	1:158:A:LYS:HG3	3	0.16
(1,2055)	1:155:A:LEU:HD22	1:158:A:LYS:HG2	3	0.16
(1,2055)	1:155:A:LEU:HD22	1:158:A:LYS:HG3	3	0.16
(1,2055)	1:155:A:LEU:HD23	1:158:A:LYS:HG2	3	0.16
(1,2055)	1:155:A:LEU:HD23	1:158:A:LYS:HG3	3	0.16
(1,2012)	1:147:A:ALA:HB1	1:148:A:GLN:HE21	1	0.16
(1,2012)	1:147:A:ALA:HB1	1:148:A:GLN:HE22	1	0.16
(1,2012)	1:147:A:ALA:HB2	1:148:A:GLN:HE21	1	0.16
(1,2012)	1:147:A:ALA:HB2	1:148:A:GLN:HE22	1	0.16
(1,2012)	1:147:A:ALA:HB3	1:148:A:GLN:HE21	1	0.16
(1,2012)	1:147:A:ALA:HB3	1:148:A:GLN:HE22	1	0.16
(1,1973)	1:133:A:VAL:HG11	1:135:A:ASN:H	17	0.16
(1,1973)	1:133:A:VAL:HG12	1:135:A:ASN:H	17	0.16
(1,1973)	1:133:A:VAL:HG13	1:135:A:ASN:H	17	0.16
(1,1973)	1:133:A:VAL:HG21	1:135:A:ASN:H	17	0.16
(1,1973)	1:133:A:VAL:HG22	1:135:A:ASN:H	17	0.16
(1,1973)	1:133:A:VAL:HG23	1:135:A:ASN:H	17	0.16
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:125:A:ARG:HG2	1:190:A:GLU:HG3	1	0.16
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG2	1	0.16
(1,1929)	1:125:A:ARG:HG3	1:190:A:GLU:HG3	1	0.16
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	9	0.16
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	9	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	8	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	8	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	8	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	8	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	8	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	8	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	14	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	14	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	14	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	14	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	14	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	14	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	19	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	19	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	19	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	19	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	19	0.16
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	19	0.16
(1,1846)	1:109:A:LEU:HD11	1:112:A:ASP:H	3	0.16
(1,1846)	1:109:A:LEU:HD12	1:112:A:ASP:H	3	0.16
(1,1846)	1:109:A:LEU:HD13	1:112:A:ASP:H	3	0.16
(1,1846)	1:109:A:LEU:HD21	1:112:A:ASP:H	3	0.16
(1,1846)	1:109:A:LEU:HD22	1:112:A:ASP:H	3	0.16
(1,1846)	1:109:A:LEU:HD23	1:112:A:ASP:H	3	0.16
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD11	5	0.16
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD12	5	0.16
(1,1785)	1:108:A:ILE:HD11	1:116:A:ILE:HD13	5	0.16
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD11	5	0.16
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD12	5	0.16
(1,1785)	1:108:A:ILE:HD12	1:116:A:ILE:HD13	5	0.16
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD11	5	0.16
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD12	5	0.16
(1,1785)	1:108:A:ILE:HD13	1:116:A:ILE:HD13	5	0.16
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	11	0.16
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	11	0.16
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	11	0.16
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	15	0.16
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	16	0.16
(1,1682)	1:158:A:LYS:HB2	1:163:A:ILE:HA	10	0.16
(1,1682)	1:158:A:LYS:HB3	1:163:A:ILE:HA	10	0.16
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG21	15	0.16
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG22	15	0.16
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG23	15	0.16
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	10	0.16
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	10	0.16
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	3	0.16
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	3	0.16
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	3	0.16
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	5	0.16
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	5	0.16
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	5	0.16
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	7	0.16
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	7	0.16
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	7	0.16
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	14	0.16
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	14	0.16
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	14	0.16
(1,1523)	1:146:A:LEU:HG	1:147:A:ALA:HA	10	0.16
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	4	0.16
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	4	0.16
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	4	0.16
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	4	0.16
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	4	0.16
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	4	0.16
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	4	0.16
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	4	0.16
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	4	0.16
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB2	6	0.16
(1,1468)	1:143:A:THR:HG21	1:178:A:LEU:HB3	6	0.16
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB2	6	0.16
(1,1468)	1:143:A:THR:HG22	1:178:A:LEU:HB3	6	0.16
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB2	6	0.16
(1,1468)	1:143:A:THR:HG23	1:178:A:LEU:HB3	6	0.16
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	1	0.16
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	1	0.16
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	1	0.16
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	7	0.16
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:170:A:ILE:HG21	1:171:A:ALA:HA	11	0.16
(1,1388)	1:170:A:ILE:HG22	1:171:A:ALA:HA	11	0.16
(1,1388)	1:170:A:ILE:HG23	1:171:A:ALA:HA	11	0.16
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD11	3	0.16
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD12	3	0.16
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD13	3	0.16
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD11	3	0.16
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD12	3	0.16
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD13	3	0.16
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD11	3	0.16
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD12	3	0.16
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD13	3	0.16
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD11	3	0.16
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD12	3	0.16
(1,1349)	1:171:A:ALA:HA	1:194:A:ILE:HD13	3	0.16
(1,1335)	1:188:A:LYS:HD2	1:190:A:GLU:HA	6	0.16
(1,1335)	1:188:A:LYS:HD3	1:190:A:GLU:HA	6	0.16
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	12	0.16
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	12	0.16
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	12	0.16
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	12	0.16
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	12	0.16
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	12	0.16
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	12	0.16
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	12	0.16
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	12	0.16
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG21	16	0.16
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG22	16	0.16
(1,1333)	1:171:A:ALA:HB1	1:194:A:ILE:HG23	16	0.16
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG21	16	0.16
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG22	16	0.16
(1,1333)	1:171:A:ALA:HB2	1:194:A:ILE:HG23	16	0.16
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG21	16	0.16
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG22	16	0.16
(1,1333)	1:171:A:ALA:HB3	1:194:A:ILE:HG23	16	0.16
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	1	0.16
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	1	0.16
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	1	0.16
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	10	0.16
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	10	0.16
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	10	0.16
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	9	0.16
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	9	0.16
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	19	0.16
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	19	0.16
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	19	0.16
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	19	0.16
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	19	0.16
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	19	0.16
(1,1167)	1:94:A:VAL:H	1:94:A:VAL:HB	6	0.16
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	1	0.16
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	13	0.16
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	15	0.16
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	17	0.16
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	20	0.16
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	2	0.16
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	2	0.16
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	13	0.16
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	13	0.16
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	5	0.16
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	5	0.16
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	5	0.16
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	2	0.16
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	2	0.16
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	2	0.16
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	13	0.16
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	13	0.16
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	13	0.16
(1,1075)	1:188:A:LYS:HE2	1:189:A:VAL:H	11	0.16
(1,1075)	1:188:A:LYS:HE3	1:189:A:VAL:H	11	0.16
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	11	0.16
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	11	0.16
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	11	0.16
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD11	18	0.16
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD12	18	0.16
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD13	18	0.16
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG21	8	0.16
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG22	8	0.16
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG23	8	0.16
(1,997)	1:188:A:LYS:HD2	1:189:A:VAL:H	15	0.16
(1,997)	1:188:A:LYS:HD3	1:189:A:VAL:H	15	0.16
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD21	14	0.16
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD22	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD23	14	0.16
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	15	0.16
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	15	0.16
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	14	0.16
(1,937)	1:174:A:MET:HG2	1:175:A:GLN:HE21	19	0.16
(1,937)	1:174:A:MET:HG3	1:175:A:GLN:HE21	19	0.16
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	6	0.16
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	6	0.16
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	6	0.16
(1,917)	1:173:A:ASN:HA	1:173:A:ASN:HD21	2	0.16
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	18	0.16
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	17	0.16
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	17	0.16
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	17	0.16
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	16	0.16
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	16	0.16
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	18	0.16
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	18	0.16
(1,868)	1:169:A:GLU:HG2	1:172:A:HIS:H	12	0.16
(1,868)	1:169:A:GLU:HG3	1:172:A:HIS:H	12	0.16
(1,852)	1:169:A:GLU:HG2	1:170:A:ILE:H	11	0.16
(1,852)	1:169:A:GLU:HG3	1:170:A:ILE:H	11	0.16
(1,805)	1:165:A:SER:H	1:166:A:ASP:HB2	18	0.16
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	2	0.16
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	2	0.16
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	11	0.16
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	11	0.16
(1,669)	1:153:A:ASN:HD21	1:154:A:VAL:H	17	0.16
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	7	0.16
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	7	0.16
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	7	0.16
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	1	0.16
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	16	0.16
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	13	0.16
(1,464)	1:138:A:ASN:HD21	1:141:A:SER:HB2	10	0.16
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	12	0.16
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	18	0.16
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	5	0.16
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	12	0.16
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE2	13	0.16
(1,342)	1:127:A:GLN:HE22	1:188:A:LYS:HE3	13	0.16
(1,339)	1:127:A:GLN:HB2	1:188:A:LYS:H	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:127:A:GLN:HB3	1:188:A:LYS:H	14	0.16
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	17	0.16
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	17	0.16
(1,290)	1:124:A:TYR:HD1	1:190:A:GLU:H	8	0.16
(1,290)	1:124:A:TYR:HD2	1:190:A:GLU:H	8	0.16
(1,251)	1:121:A:VAL:H	1:195:A:LYS:H	4	0.16
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	9	0.16
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	5	0.16
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	8	0.16
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	6	0.16
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	6	0.16
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	6	0.16
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	20	0.16
(1,9)	1:94:A:VAL:HG11	1:96:A:MET:H	17	0.16
(1,9)	1:94:A:VAL:HG12	1:96:A:MET:H	17	0.16
(1,9)	1:94:A:VAL:HG13	1:96:A:MET:H	17	0.16
(1,9)	1:94:A:VAL:HG21	1:96:A:MET:H	17	0.16
(1,9)	1:94:A:VAL:HG22	1:96:A:MET:H	17	0.16
(1,9)	1:94:A:VAL:HG23	1:96:A:MET:H	17	0.16
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	14	0.15
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	14	0.15
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	14	0.15
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	14	0.15
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	14	0.15
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	14	0.15
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	14	0.15
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	14	0.15
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	14	0.15
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	14	0.15
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	14	0.15
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	14	0.15
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	14	0.15
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	14	0.15
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	14	0.15
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	14	0.15
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	14	0.15
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	14	0.15
(1,2075)	1:162:A:GLN:HE21	1:163:A:ILE:H	8	0.15
(1,2075)	1:162:A:GLN:HE22	1:163:A:ILE:H	8	0.15
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG21	19	0.15
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG22	19	0.15
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG23	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG21	19	0.15
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG22	19	0.15
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG23	19	0.15
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG21	19	0.15
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG22	19	0.15
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG23	19	0.15
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG21	19	0.15
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG22	19	0.15
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG23	19	0.15
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG21	19	0.15
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG22	19	0.15
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG23	19	0.15
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG21	19	0.15
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG22	19	0.15
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG23	19	0.15
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE21	2	0.15
(1,1984)	1:145:A:LEU:H	1:148:A:GLN:HE22	2	0.15
(1,1979)	1:143:A:THR:HG21	1:178:A:LEU:HD11	9	0.15
(1,1979)	1:143:A:THR:HG21	1:178:A:LEU:HD12	9	0.15
(1,1979)	1:143:A:THR:HG21	1:178:A:LEU:HD13	9	0.15
(1,1979)	1:143:A:THR:HG21	1:178:A:LEU:HD21	9	0.15
(1,1979)	1:143:A:THR:HG21	1:178:A:LEU:HD22	9	0.15
(1,1979)	1:143:A:THR:HG21	1:178:A:LEU:HD23	9	0.15
(1,1979)	1:143:A:THR:HG22	1:178:A:LEU:HD11	9	0.15
(1,1979)	1:143:A:THR:HG22	1:178:A:LEU:HD12	9	0.15
(1,1979)	1:143:A:THR:HG22	1:178:A:LEU:HD13	9	0.15
(1,1979)	1:143:A:THR:HG22	1:178:A:LEU:HD21	9	0.15
(1,1979)	1:143:A:THR:HG22	1:178:A:LEU:HD22	9	0.15
(1,1979)	1:143:A:THR:HG22	1:178:A:LEU:HD23	9	0.15
(1,1979)	1:143:A:THR:HG23	1:178:A:LEU:HD11	9	0.15
(1,1979)	1:143:A:THR:HG23	1:178:A:LEU:HD12	9	0.15
(1,1979)	1:143:A:THR:HG23	1:178:A:LEU:HD13	9	0.15
(1,1979)	1:143:A:THR:HG23	1:178:A:LEU:HD21	9	0.15
(1,1979)	1:143:A:THR:HG23	1:178:A:LEU:HD22	9	0.15
(1,1979)	1:143:A:THR:HG23	1:178:A:LEU:HD23	9	0.15
(1,1973)	1:133:A:VAL:HG11	1:135:A:ASN:H	13	0.15
(1,1973)	1:133:A:VAL:HG12	1:135:A:ASN:H	13	0.15
(1,1973)	1:133:A:VAL:HG13	1:135:A:ASN:H	13	0.15
(1,1973)	1:133:A:VAL:HG21	1:135:A:ASN:H	13	0.15
(1,1973)	1:133:A:VAL:HG22	1:135:A:ASN:H	13	0.15
(1,1973)	1:133:A:VAL:HG23	1:135:A:ASN:H	13	0.15
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	2	0.15
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	11	0.15
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	11	0.15
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	14	0.15
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	14	0.15
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	1	0.15
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	1	0.15
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	17	0.15
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	17	0.15
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	17	0.15
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	17	0.15
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	17	0.15
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	17	0.15
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	17	0.15
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	17	0.15
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	17	0.15
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	17	0.15
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	17	0.15
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	17	0.15
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	17	0.15
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	17	0.15
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	17	0.15
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	17	0.15
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	17	0.15
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	17	0.15
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	18	0.15
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	18	0.15
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	18	0.15
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	18	0.15
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	18	0.15
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	18	0.15
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	10	0.15
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	10	0.15
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	10	0.15
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	10	0.15
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	10	0.15
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	10	0.15
(1,1868)	1:114:A:VAL:HG11	1:160:A:LEU:HB3	10	0.15
(1,1868)	1:114:A:VAL:HG12	1:160:A:LEU:HB3	10	0.15
(1,1868)	1:114:A:VAL:HG13	1:160:A:LEU:HB3	10	0.15
(1,1868)	1:114:A:VAL:HG21	1:160:A:LEU:HB3	10	0.15
(1,1868)	1:114:A:VAL:HG22	1:160:A:LEU:HB3	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:114:A:VAL:HG23	1:160:A:LEU:HB3	10	0.15
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	13	0.15
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	13	0.15
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	13	0.15
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	13	0.15
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	13	0.15
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	13	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	1	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	1	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	1	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	1	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	1	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	1	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	7	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	7	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	7	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	7	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	7	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	7	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	11	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	11	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	11	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	11	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	11	0.15
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	11	0.15
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	3	0.15
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	1	0.15
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	7	0.15
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	9	0.15
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB1	14	0.15
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB2	14	0.15
(1,1697)	1:143:A:THR:HB	1:147:A:ALA:HB3	14	0.15
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD2	9	0.15
(1,1669)	1:155:A:LEU:HG	1:158:A:LYS:HD3	9	0.15
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	6	0.15
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	6	0.15
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	6	0.15
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	6	0.15
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	6	0.15
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	6	0.15
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	9	0.15
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	9	0.15
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	9	0.15
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	9	0.15
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	9	0.15
(1,1648)	1:140:A:ASP:HA	1:143:A:THR:HA	20	0.15
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	6	0.15
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	6	0.15
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB2	15	0.15
(1,1621)	1:116:A:ILE:HG21	1:117:A:SER:HB3	15	0.15
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB2	15	0.15
(1,1621)	1:116:A:ILE:HG22	1:117:A:SER:HB3	15	0.15
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB2	15	0.15
(1,1621)	1:116:A:ILE:HG23	1:117:A:SER:HB3	15	0.15
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	8	0.15
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	8	0.15
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	8	0.15
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	19	0.15
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	19	0.15
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	19	0.15
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	9	0.15
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	9	0.15
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	9	0.15
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	14	0.15
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	14	0.15
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	14	0.15
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	5	0.15
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	5	0.15
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	5	0.15
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	16	0.15
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	16	0.15
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	16	0.15
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	19	0.15
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	19	0.15
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	19	0.15
(1,1436)	1:171:A:ALA:HB1	1:192:A:VAL:HA	11	0.15
(1,1436)	1:171:A:ALA:HB2	1:192:A:VAL:HA	11	0.15
(1,1436)	1:171:A:ALA:HB3	1:192:A:VAL:HA	11	0.15
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	8	0.15
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	8	0.15
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	8	0.15
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	8	0.15
(1,1388)	1:170:A:ILE:HG21	1:171:A:ALA:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:170:A:ILE:HG22	1:171:A:ALA:HA	1	0.15
(1,1388)	1:170:A:ILE:HG23	1:171:A:ALA:HA	1	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	3	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	3	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	5	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	5	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	8	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	8	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	13	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	13	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	16	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	16	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	17	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	17	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	19	0.15
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	19	0.15
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG21	1	0.15
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG22	1	0.15
(1,1348)	1:171:A:ALA:HA	1:194:A:ILE:HG23	1	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG21	4	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG22	4	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG23	4	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG21	6	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG22	6	0.15
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG23	6	0.15
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	7	0.15
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	7	0.15
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	7	0.15
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	3	0.15
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	3	0.15
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	3	0.15
(1,1242)	1:150:A:THR:HG21	1:178:A:LEU:HG	7	0.15
(1,1242)	1:150:A:THR:HG22	1:178:A:LEU:HG	7	0.15
(1,1242)	1:150:A:THR:HG23	1:178:A:LEU:HG	7	0.15
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	2	0.15
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	2	0.15
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	2	0.15
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	2	0.15
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	2	0.15
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	2	0.15
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	2	0.15
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	2	0.15
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	6	0.15
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	6	0.15
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	6	0.15
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	6	0.15
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	6	0.15
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	6	0.15
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	6	0.15
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	6	0.15
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	6	0.15
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD11	19	0.15
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD12	19	0.15
(1,1178)	1:143:A:THR:HG21	1:178:A:LEU:HD13	19	0.15
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD11	19	0.15
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD12	19	0.15
(1,1178)	1:143:A:THR:HG22	1:178:A:LEU:HD13	19	0.15
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD11	19	0.15
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD12	19	0.15
(1,1178)	1:143:A:THR:HG23	1:178:A:LEU:HD13	19	0.15
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	2	0.15
(1,1124)	1:200:A:PRO:HB3	1:201:A:VAL:H	6	0.15
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	14	0.15
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	14	0.15
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	17	0.15
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	13	0.15
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	13	0.15
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	13	0.15
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB2	2	0.15
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB3	2	0.15
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD11	1	0.15
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD12	1	0.15
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD13	1	0.15
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD11	19	0.15
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD12	19	0.15
(1,999)	1:182:A:THR:H	1:187:A:ILE:HD13	19	0.15
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD21	1	0.15
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD22	1	0.15
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD23	1	0.15
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	11	0.15
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	11	0.15
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	1	0.15
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	15	0.15
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	15	0.15
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	20	0.15
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	20	0.15
(1,931)	1:174:A:MET:HE1	1:175:A:GLN:HE22	16	0.15
(1,931)	1:174:A:MET:HE2	1:175:A:GLN:HE22	16	0.15
(1,931)	1:174:A:MET:HE3	1:175:A:GLN:HE22	16	0.15
(1,917)	1:173:A:ASN:HA	1:173:A:ASN:HD21	19	0.15
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	9	0.15
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	19	0.15
(1,904)	1:168:A:GLU:HA	1:172:A:HIS:H	14	0.15
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	10	0.15
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE1	5	0.15
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE2	5	0.15
(1,902)	1:172:A:HIS:H	1:174:A:MET:HE3	5	0.15
(1,898)	1:171:A:ALA:HB1	1:194:A:ILE:H	16	0.15
(1,898)	1:171:A:ALA:HB2	1:194:A:ILE:H	16	0.15
(1,898)	1:171:A:ALA:HB3	1:194:A:ILE:H	16	0.15
(1,898)	1:171:A:ALA:HB1	1:194:A:ILE:H	20	0.15
(1,898)	1:171:A:ALA:HB2	1:194:A:ILE:H	20	0.15
(1,898)	1:171:A:ALA:HB3	1:194:A:ILE:H	20	0.15
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	18	0.15
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	18	0.15
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	18	0.15
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	3	0.15
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	3	0.15
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	6	0.15
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	6	0.15
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	12	0.15
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	12	0.15
(1,775)	1:162:A:GLN:HB2	1:164:A:LEU:H	8	0.15
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	20	0.15
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	8	0.15
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	8	0.15
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	1	0.15
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	11	0.15
(1,589)	1:146:A:LEU:HB2	1:149:A:THR:H	14	0.15
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	12	0.15
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	17	0.15
(1,510)	1:143:A:THR:H	1:146:A:LEU:HB2	6	0.15
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	8	0.15
(1,482)	1:140:A:ASP:HA	1:142:A:ALA:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	12	0.15
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	16	0.15
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	18	0.15
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	1	0.15
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	1	0.15
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	1	0.15
(1,299)	1:125:A:ARG:H	1:187:A:ILE:HA	16	0.15
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	20	0.15
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	20	0.15
(1,251)	1:121:A:VAL:H	1:195:A:LYS:H	9	0.15
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	2	0.15
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	6	0.15
(1,217)	1:117:A:SER:H	1:198:A:LYS:HG2	17	0.15
(1,217)	1:117:A:SER:H	1:198:A:LYS:HG3	17	0.15
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	16	0.15
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	17	0.15
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	17	0.15
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	17	0.15
(1,131)	1:108:A:ILE:H	1:118:A:VAL:H	20	0.15
(1,116)	1:107:A:GLU:HA	1:116:A:ILE:H	10	0.15
(1,114)	1:107:A:GLU:H	1:107:A:GLU:HG2	3	0.15
(1,114)	1:107:A:GLU:H	1:107:A:GLU:HG2	18	0.15
(1,100)	1:106:A:GLN:H	1:117:A:SER:HB2	7	0.15
(1,100)	1:106:A:GLN:H	1:117:A:SER:HB3	7	0.15
(1,58)	1:100:A:SER:HB3	1:101:A:PHE:H	2	0.15
(1,31)	1:97:A:ARG:HB2	1:99:A:ILE:H	1	0.15
(1,31)	1:97:A:ARG:HB3	1:99:A:ILE:H	1	0.15
(1,22)	1:96:A:MET:HB3	1:97:A:ARG:H	2	0.15
(1,3)	1:92:A:ASP:H	1:93:A:HIS:HA	4	0.15
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG11	7	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG12	7	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG13	7	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG21	7	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG22	7	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG23	7	0.14
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	14	0.14
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	14	0.14
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	14	0.14
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	14	0.14
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	14	0.14
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	14	0.14
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	15	0.14
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	15	0.14
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	15	0.14
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	15	0.14
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	15	0.14
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	15	0.14
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	15	0.14
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	15	0.14
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	15	0.14
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	15	0.14
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	15	0.14
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	15	0.14
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	15	0.14
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	15	0.14
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	15	0.14
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	15	0.14
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	15	0.14
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG11	3	0.14
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG12	3	0.14
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG13	3	0.14
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG21	3	0.14
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG22	3	0.14
(1,2079)	1:164:A:LEU:HD11	1:197:A:VAL:HG23	3	0.14
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG11	3	0.14
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG12	3	0.14
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG13	3	0.14
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG21	3	0.14
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG22	3	0.14
(1,2079)	1:164:A:LEU:HD12	1:197:A:VAL:HG23	3	0.14
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG11	3	0.14
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG12	3	0.14
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG13	3	0.14
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG21	3	0.14
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG22	3	0.14
(1,2079)	1:164:A:LEU:HD13	1:197:A:VAL:HG23	3	0.14
(1,2072)	1:162:A:GLN:HA	1:165:A:SER:HB2	6	0.14
(1,2072)	1:162:A:GLN:HA	1:165:A:SER:HB3	6	0.14
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE21	15	0.14
(1,1981)	1:144:A:ARG:H	1:148:A:GLN:HE22	15	0.14
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	8	0.14
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	8	0.14
(1,1949)	1:128:A:ASN:HD21	1:130:A:THR:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:128:A:ASN:HD22	1:130:A:THR:H	20	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD11	8	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD12	8	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD13	8	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	8	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	8	0.14
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	8	0.14
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	4	0.14
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	4	0.14
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	4	0.14
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	4	0.14
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	4	0.14
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	4	0.14
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	4	0.14
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	4	0.14
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	4	0.14
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	4	0.14
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	4	0.14
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	4	0.14
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	4	0.14
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	4	0.14
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	4	0.14
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	4	0.14
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	4	0.14
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	4	0.14
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	15	0.14
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	15	0.14
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	15	0.14
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	15	0.14
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	15	0.14
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	15	0.14
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	17	0.14
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	17	0.14
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	17	0.14
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	17	0.14
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	17	0.14
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	17	0.14
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	20	0.14
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	20	0.14
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	20	0.14
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	20	0.14
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	20	0.14
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG11	13	0.14
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG12	13	0.14
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG13	13	0.14
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG21	13	0.14
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG22	13	0.14
(1,1876)	1:114:A:VAL:HG11	1:201:A:VAL:HG23	13	0.14
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG11	13	0.14
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG12	13	0.14
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG13	13	0.14
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG21	13	0.14
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG22	13	0.14
(1,1876)	1:114:A:VAL:HG12	1:201:A:VAL:HG23	13	0.14
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG11	13	0.14
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG12	13	0.14
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG13	13	0.14
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG21	13	0.14
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG22	13	0.14
(1,1876)	1:114:A:VAL:HG13	1:201:A:VAL:HG23	13	0.14
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG11	13	0.14
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG12	13	0.14
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG13	13	0.14
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG21	13	0.14
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG22	13	0.14
(1,1876)	1:114:A:VAL:HG21	1:201:A:VAL:HG23	13	0.14
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG11	13	0.14
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG12	13	0.14
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG13	13	0.14
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG21	13	0.14
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG22	13	0.14
(1,1876)	1:114:A:VAL:HG22	1:201:A:VAL:HG23	13	0.14
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG11	13	0.14
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG12	13	0.14
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG13	13	0.14
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG21	13	0.14
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG22	13	0.14
(1,1876)	1:114:A:VAL:HG23	1:201:A:VAL:HG23	13	0.14
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	1	0.14
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	1	0.14
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	1	0.14
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	1	0.14
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	1	0.14
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	18	0.14
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	18	0.14
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	18	0.14
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	18	0.14
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	18	0.14
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	18	0.14
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG2	5	0.14
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG3	5	0.14
(1,1793)	1:94:A:VAL:HA	1:95:A:ASP:HB2	4	0.14
(1,1793)	1:94:A:VAL:HA	1:95:A:ASP:HB3	4	0.14
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG21	6	0.14
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG22	6	0.14
(1,1724)	1:179:A:ASP:HA	1:187:A:ILE:HG23	6	0.14
(1,1714)	1:138:A:ASN:HB2	1:141:A:SER:HB2	7	0.14
(1,1714)	1:138:A:ASN:HB3	1:141:A:SER:HB2	7	0.14
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD11	11	0.14
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD12	11	0.14
(1,1677)	1:158:A:LYS:HG2	1:170:A:ILE:HD13	11	0.14
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD11	11	0.14
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD12	11	0.14
(1,1677)	1:158:A:LYS:HG3	1:170:A:ILE:HD13	11	0.14
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	3	0.14
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	3	0.14
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	3	0.14
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	3	0.14
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	3	0.14
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	3	0.14
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB1	15	0.14
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB2	15	0.14
(1,1641)	1:146:A:LEU:HB2	1:181:A:ALA:HB3	15	0.14
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD2	18	0.14
(1,1638)	1:166:A:ASP:HA	1:167:A:ARG:HD3	18	0.14
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	1	0.14
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	1	0.14
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	5	0.14
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	5	0.14
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	10	0.14
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	10	0.14
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	10	0.14
(1,1573)	1:130:A:THR:HA	1:131:A:LEU:HG	3	0.14
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	17	0.14
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG21	7	0.14
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG22	7	0.14
(1,1525)	1:164:A:LEU:HB3	1:197:A:VAL:HG23	7	0.14
(1,1510)	1:94:A:VAL:HG11	1:95:A:ASP:HB3	11	0.14
(1,1510)	1:94:A:VAL:HG12	1:95:A:ASP:HB3	11	0.14
(1,1510)	1:94:A:VAL:HG13	1:95:A:ASP:HB3	11	0.14
(1,1510)	1:94:A:VAL:HG21	1:95:A:ASP:HB3	11	0.14
(1,1510)	1:94:A:VAL:HG22	1:95:A:ASP:HB3	11	0.14
(1,1510)	1:94:A:VAL:HG23	1:95:A:ASP:HB3	11	0.14
(1,1505)	1:108:A:ILE:HG21	1:109:A:LEU:HB3	10	0.14
(1,1505)	1:108:A:ILE:HG22	1:109:A:LEU:HB3	10	0.14
(1,1505)	1:108:A:ILE:HG23	1:109:A:LEU:HB3	10	0.14
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD11	10	0.14
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD12	10	0.14
(1,1397)	1:186:A:GLY:HA3	1:187:A:ILE:HD13	10	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	2	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	2	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	4	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	4	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	6	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	6	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	12	0.14
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	12	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG11	19	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG12	19	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG13	19	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG11	20	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG12	20	0.14
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG13	20	0.14
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	1	0.14
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	1	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	4	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	4	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	4	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	8	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	8	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	8	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	15	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	15	0.14
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	15	0.14
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB1	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB2	16	0.14
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB3	16	0.14
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB1	16	0.14
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB2	16	0.14
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB3	16	0.14
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB1	16	0.14
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB2	16	0.14
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB3	16	0.14
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	9	0.14
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	9	0.14
(1,1161)	1:123:A:TYR:HD1	1:191:A:ARG:H	19	0.14
(1,1161)	1:123:A:TYR:HD2	1:191:A:ARG:H	19	0.14
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	4	0.14
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	4	0.14
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	4	0.14
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	6	0.14
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	6	0.14
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	6	0.14
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	6	0.14
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	6	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	5	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	5	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	5	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	8	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	8	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	8	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	16	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	16	0.14
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	16	0.14
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD11	16	0.14
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD12	16	0.14
(1,1052)	1:184:A:ALA:H	1:187:A:ILE:HD13	16	0.14
(1,997)	1:188:A:LYS:HD2	1:189:A:VAL:H	17	0.14
(1,997)	1:188:A:LYS:HD3	1:189:A:VAL:H	17	0.14
(1,994)	1:178:A:LEU:H	1:178:A:LEU:HG	17	0.14
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	14	0.14
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	14	0.14
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	15	0.14
(1,916)	1:173:A:ASN:HA	1:173:A:ASN:HD22	2	0.14
(1,897)	1:171:A:ALA:HB1	1:193:A:GLU:H	11	0.14
(1,897)	1:171:A:ALA:HB2	1:193:A:GLU:H	11	0.14
(1,897)	1:171:A:ALA:HB3	1:193:A:GLU:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	6	0.14
(1,889)	1:165:A:SER:HB3	1:166:A:ASP:H	1	0.14
(1,885)	1:170:A:ILE:HD11	1:173:A:ASN:HD21	18	0.14
(1,885)	1:170:A:ILE:HD12	1:173:A:ASN:HD21	18	0.14
(1,885)	1:170:A:ILE:HD13	1:173:A:ASN:HD21	18	0.14
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	4	0.14
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	4	0.14
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	13	0.14
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	13	0.14
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	19	0.14
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	19	0.14
(1,812)	1:166:A:ASP:H	1:169:A:GLU:HB2	14	0.14
(1,812)	1:166:A:ASP:H	1:169:A:GLU:HB3	14	0.14
(1,784)	1:158:A:LYS:HB2	1:163:A:ILE:H	10	0.14
(1,784)	1:158:A:LYS:HB3	1:163:A:ILE:H	10	0.14
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	19	0.14
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	19	0.14
(1,768)	1:162:A:GLN:H	1:164:A:LEU:HB3	8	0.14
(1,741)	1:159:A:ASN:HD22	1:161:A:SER:HB2	9	0.14
(1,741)	1:159:A:ASN:HD22	1:161:A:SER:HB3	9	0.14
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	13	0.14
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	13	0.14
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	9	0.14
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	9	0.14
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	12	0.14
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	12	0.14
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	8	0.14
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	12	0.14
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	12	0.14
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	12	0.14
(1,528)	1:144:A:ARG:HD2	1:145:A:LEU:H	19	0.14
(1,528)	1:144:A:ARG:HD3	1:145:A:LEU:H	19	0.14
(1,522)	1:140:A:ASP:HB2	1:144:A:ARG:H	1	0.14
(1,522)	1:140:A:ASP:HB3	1:144:A:ARG:H	1	0.14
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	2	0.14
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	11	0.14
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	11	0.14
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	17	0.14
(1,418)	1:134:A:ALA:HA	1:137:A:THR:H	15	0.14
(1,388)	1:131:A:LEU:H	1:132:A:ALA:HA	16	0.14
(1,365)	1:128:A:ASN:HB2	1:132:A:ALA:H	13	0.14
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	3	0.14
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	18	0.14
(1,343)	1:127:A:GLN:HE22	1:183:A:ASP:HA	8	0.14
(1,332)	1:127:A:GLN:H	1:187:A:ILE:HG13	10	0.14
(1,332)	1:127:A:GLN:H	1:187:A:ILE:HG13	14	0.14
(1,291)	1:124:A:TYR:HD1	1:191:A:ARG:H	19	0.14
(1,291)	1:124:A:TYR:HD2	1:191:A:ARG:H	19	0.14
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	16	0.14
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	9	0.14
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	20	0.14
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	20	0.14
(1,165)	1:111:A:LYS:H	1:158:A:LYS:HG2	2	0.14
(1,165)	1:111:A:LYS:H	1:158:A:LYS:HG3	2	0.14
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	14	0.14
(1,153)	1:110:A:THR:H	1:160:A:LEU:HB2	20	0.14
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	4	0.14
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	4	0.14
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	4	0.14
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	14	0.14
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	14	0.14
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	14	0.14
(1,130)	1:108:A:ILE:H	1:116:A:ILE:HD11	2	0.14
(1,130)	1:108:A:ILE:H	1:116:A:ILE:HD12	2	0.14
(1,130)	1:108:A:ILE:H	1:116:A:ILE:HD13	2	0.14
(1,74)	1:101:A:PHE:HB2	1:102:A:ASP:H	17	0.14
(1,74)	1:101:A:PHE:HB3	1:102:A:ASP:H	17	0.14
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG11	10	0.13
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG12	10	0.13
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG13	10	0.13
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG21	10	0.13
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG22	10	0.13
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG23	10	0.13
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	18	0.13
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	18	0.13
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	18	0.13
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	18	0.13
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	18	0.13
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	18	0.13
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG12	13	0.13
(1,2089)	1:171:A:ALA:H	1:194:A:ILE:HG13	13	0.13
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD11	13	0.13
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD12	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD13	13	0.13
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD21	13	0.13
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD22	13	0.13
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD23	13	0.13
(1,1973)	1:133:A:VAL:HG11	1:135:A:ASN:H	7	0.13
(1,1973)	1:133:A:VAL:HG12	1:135:A:ASN:H	7	0.13
(1,1973)	1:133:A:VAL:HG13	1:135:A:ASN:H	7	0.13
(1,1973)	1:133:A:VAL:HG21	1:135:A:ASN:H	7	0.13
(1,1973)	1:133:A:VAL:HG22	1:135:A:ASN:H	7	0.13
(1,1973)	1:133:A:VAL:HG23	1:135:A:ASN:H	7	0.13
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG11	7	0.13
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG12	7	0.13
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG13	7	0.13
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG21	7	0.13
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG22	7	0.13
(1,1961)	1:130:A:THR:HA	1:133:A:VAL:HG23	7	0.13
(1,1954)	1:128:A:ASN:HD21	1:133:A:VAL:H	9	0.13
(1,1954)	1:128:A:ASN:HD22	1:133:A:VAL:H	9	0.13
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD21	7	0.13
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD22	7	0.13
(1,1892)	1:118:A:VAL:HG11	1:151:A:LEU:HD23	7	0.13
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD21	7	0.13
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD22	7	0.13
(1,1892)	1:118:A:VAL:HG12	1:151:A:LEU:HD23	7	0.13
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD21	7	0.13
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD22	7	0.13
(1,1892)	1:118:A:VAL:HG13	1:151:A:LEU:HD23	7	0.13
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD21	7	0.13
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD22	7	0.13
(1,1892)	1:118:A:VAL:HG21	1:151:A:LEU:HD23	7	0.13
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD21	7	0.13
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD22	7	0.13
(1,1892)	1:118:A:VAL:HG22	1:151:A:LEU:HD23	7	0.13
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD21	7	0.13
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD22	7	0.13
(1,1892)	1:118:A:VAL:HG23	1:151:A:LEU:HD23	7	0.13
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	1	0.13
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	1	0.13
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	1	0.13
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	1	0.13
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	1	0.13
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:114:A:VAL:HG11	1:200:A:PRO:HA	7	0.13
(1,1870)	1:114:A:VAL:HG12	1:200:A:PRO:HA	7	0.13
(1,1870)	1:114:A:VAL:HG13	1:200:A:PRO:HA	7	0.13
(1,1870)	1:114:A:VAL:HG21	1:200:A:PRO:HA	7	0.13
(1,1870)	1:114:A:VAL:HG22	1:200:A:PRO:HA	7	0.13
(1,1870)	1:114:A:VAL:HG23	1:200:A:PRO:HA	7	0.13
(1,1868)	1:114:A:VAL:HG11	1:160:A:LEU:HB3	12	0.13
(1,1868)	1:114:A:VAL:HG12	1:160:A:LEU:HB3	12	0.13
(1,1868)	1:114:A:VAL:HG13	1:160:A:LEU:HB3	12	0.13
(1,1868)	1:114:A:VAL:HG21	1:160:A:LEU:HB3	12	0.13
(1,1868)	1:114:A:VAL:HG22	1:160:A:LEU:HB3	12	0.13
(1,1868)	1:114:A:VAL:HG23	1:160:A:LEU:HB3	12	0.13
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	3	0.13
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	3	0.13
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	3	0.13
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	3	0.13
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	3	0.13
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	3	0.13
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	9	0.13
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	9	0.13
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	9	0.13
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	9	0.13
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	9	0.13
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	9	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	5	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	5	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	5	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	5	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	5	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	5	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG11	17	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG12	17	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG13	17	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG21	17	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG22	17	0.13
(1,1862)	1:113:A:SER:H	1:114:A:VAL:HG23	17	0.13
(1,1805)	1:96:A:MET:HB2	1:126:A:VAL:H	5	0.13
(1,1805)	1:96:A:MET:HB3	1:126:A:VAL:H	5	0.13
(1,1802)	1:96:A:MET:HB2	1:97:A:ARG:H	1	0.13
(1,1802)	1:96:A:MET:HB3	1:97:A:ARG:H	1	0.13
(1,1797)	1:95:A:ASP:HB2	1:97:A:ARG:H	2	0.13
(1,1797)	1:95:A:ASP:HB3	1:97:A:ARG:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1736)	1:159:A:ASN:HB3	1:160:A:LEU:HB3	15	0.13
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	5	0.13
(1,1698)	1:146:A:LEU:HB3	1:150:A:THR:HB	14	0.13
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG21	16	0.13
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG22	16	0.13
(1,1664)	1:128:A:ASN:HA	1:130:A:THR:HG23	16	0.13
(1,1648)	1:140:A:ASP:HA	1:143:A:THR:HA	15	0.13
(1,1640)	1:146:A:LEU:HG	1:181:A:ALA:HB1	15	0.13
(1,1640)	1:146:A:LEU:HG	1:181:A:ALA:HB2	15	0.13
(1,1640)	1:146:A:LEU:HG	1:181:A:ALA:HB3	15	0.13
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	16	0.13
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	16	0.13
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB2	20	0.13
(1,1605)	1:195:A:LYS:HD2	1:196:A:ASP:HB3	20	0.13
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB2	20	0.13
(1,1605)	1:195:A:LYS:HD3	1:196:A:ASP:HB3	20	0.13
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	10	0.13
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	10	0.13
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	10	0.13
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG11	7	0.13
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG12	7	0.13
(1,1583)	1:100:A:SER:HB3	1:121:A:VAL:HG13	7	0.13
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	15	0.13
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	15	0.13
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	15	0.13
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	15	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	1	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	1	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	1	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	4	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	4	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	4	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	12	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	12	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	12	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	17	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	17	0.13
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	17	0.13
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG2	7	0.13
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG3	7	0.13
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG2	7	0.13
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG2	7	0.13
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG3	7	0.13
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG2	14	0.13
(1,1455)	1:110:A:THR:HG21	1:158:A:LYS:HG3	14	0.13
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG2	14	0.13
(1,1455)	1:110:A:THR:HG22	1:158:A:LYS:HG3	14	0.13
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG2	14	0.13
(1,1455)	1:110:A:THR:HG23	1:158:A:LYS:HG3	14	0.13
(1,1436)	1:171:A:ALA:HB1	1:192:A:VAL:HA	1	0.13
(1,1436)	1:171:A:ALA:HB2	1:192:A:VAL:HA	1	0.13
(1,1436)	1:171:A:ALA:HB3	1:192:A:VAL:HA	1	0.13
(1,1436)	1:171:A:ALA:HB1	1:192:A:VAL:HA	18	0.13
(1,1436)	1:171:A:ALA:HB2	1:192:A:VAL:HA	18	0.13
(1,1436)	1:171:A:ALA:HB3	1:192:A:VAL:HA	18	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	9	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	9	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	10	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	10	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	11	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	11	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	18	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	18	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	20	0.13
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	20	0.13
(1,1378)	1:100:A:SER:HB2	1:101:A:PHE:HA	3	0.13
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	10	0.13
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	10	0.13
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	10	0.13
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	10	0.13
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	10	0.13
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	10	0.13
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG11	5	0.13
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG12	5	0.13
(1,1367)	1:164:A:LEU:HA	1:197:A:VAL:HG13	5	0.13
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	18	0.13
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	18	0.13
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB2	4	0.13
(1,1299)	1:108:A:ILE:HD11	1:152:A:ARG:HB3	4	0.13
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB2	4	0.13
(1,1299)	1:108:A:ILE:HD12	1:152:A:ARG:HB3	4	0.13
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB2	4	0.13
(1,1299)	1:108:A:ILE:HD13	1:152:A:ARG:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG21	20	0.13
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG22	20	0.13
(1,1293)	1:175:A:GLN:HB3	1:192:A:VAL:HG23	20	0.13
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB1	8	0.13
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB2	8	0.13
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB3	8	0.13
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB1	8	0.13
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB2	8	0.13
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB3	8	0.13
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB1	8	0.13
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB2	8	0.13
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB3	8	0.13
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	14	0.13
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	14	0.13
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	14	0.13
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	14	0.13
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	13	0.13
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	13	0.13
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	13	0.13
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	13	0.13
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	13	0.13
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	13	0.13
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	13	0.13
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	13	0.13
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	13	0.13
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	7	0.13
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	7	0.13
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	18	0.13
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	18	0.13
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	1	0.13
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	1	0.13
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	17	0.13
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	17	0.13
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	17	0.13
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	5	0.13
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	5	0.13
(1,1030)	1:181:A:ALA:H	1:183:A:ASP:HB2	19	0.13
(1,1030)	1:181:A:ALA:H	1:183:A:ASP:HB3	19	0.13
(1,1015)	1:179:A:ASP:HB2	1:189:A:VAL:H	8	0.13
(1,997)	1:188:A:LYS:HD2	1:189:A:VAL:H	12	0.13
(1,997)	1:188:A:LYS:HD3	1:189:A:VAL:H	12	0.13
(1,994)	1:178:A:LEU:H	1:178:A:LEU:HG	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:178:A:LEU:H	1:178:A:LEU:HG	6	0.13
(1,962)	1:174:A:MET:HG2	1:175:A:GLN:HE22	19	0.13
(1,962)	1:174:A:MET:HG3	1:175:A:GLN:HE22	19	0.13
(1,959)	1:175:A:GLN:HG2	1:177:A:THR:H	8	0.13
(1,959)	1:175:A:GLN:HG3	1:177:A:THR:H	8	0.13
(1,943)	1:175:A:GLN:H	1:178:A:LEU:HB2	5	0.13
(1,943)	1:175:A:GLN:H	1:178:A:LEU:HB3	5	0.13
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	7	0.13
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	7	0.13
(1,933)	1:174:A:MET:HB3	1:175:A:GLN:HE22	6	0.13
(1,915)	1:136:A:ILE:HG21	1:140:A:ASP:H	5	0.13
(1,915)	1:136:A:ILE:HG22	1:140:A:ASP:H	5	0.13
(1,915)	1:136:A:ILE:HG23	1:140:A:ASP:H	5	0.13
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	2	0.13
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	4	0.13
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	19	0.13
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	5	0.13
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	5	0.13
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	5	0.13
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	5	0.13
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	10	0.13
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	10	0.13
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	10	0.13
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	20	0.13
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	20	0.13
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	20	0.13
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	3	0.13
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	3	0.13
(1,874)	1:158:A:LYS:HE2	1:170:A:ILE:H	19	0.13
(1,874)	1:158:A:LYS:HE3	1:170:A:ILE:H	19	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD11	1	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD12	1	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD13	1	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD11	12	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD12	12	0.13
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD13	12	0.13
(1,834)	1:167:A:ARG:HB2	1:194:A:ILE:H	2	0.13
(1,834)	1:167:A:ARG:HB3	1:194:A:ILE:H	2	0.13
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	14	0.13
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	14	0.13
(1,811)	1:169:A:GLU:HG2	1:171:A:ALA:H	7	0.13
(1,811)	1:169:A:GLU:HG3	1:171:A:ALA:H	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:169:A:GLU:HG2	1:171:A:ALA:H	9	0.13
(1,811)	1:169:A:GLU:HG3	1:171:A:ALA:H	9	0.13
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	17	0.13
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	17	0.13
(1,718)	1:111:A:LYS:HD2	1:160:A:LEU:H	11	0.13
(1,718)	1:111:A:LYS:HD3	1:160:A:LEU:H	11	0.13
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE2	3	0.13
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE3	3	0.13
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	15	0.13
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	15	0.13
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	15	0.13
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	16	0.13
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	16	0.13
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	16	0.13
(1,590)	1:146:A:LEU:HG	1:149:A:THR:H	6	0.13
(1,584)	1:148:A:GLN:HB2	1:150:A:THR:H	11	0.13
(1,584)	1:148:A:GLN:HB3	1:150:A:THR:H	11	0.13
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	15	0.13
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	15	0.13
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	15	0.13
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	20	0.13
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	20	0.13
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	20	0.13
(1,504)	1:103:A:ILE:HD11	1:147:A:ALA:H	12	0.13
(1,504)	1:103:A:ILE:HD12	1:147:A:ALA:H	12	0.13
(1,504)	1:103:A:ILE:HD13	1:147:A:ALA:H	12	0.13
(1,486)	1:140:A:ASP:HB2	1:143:A:THR:H	20	0.13
(1,486)	1:140:A:ASP:HB3	1:143:A:THR:H	20	0.13
(1,470)	1:139:A:ALA:H	1:142:A:ALA:H	16	0.13
(1,469)	1:139:A:ALA:H	1:141:A:SER:H	14	0.13
(1,465)	1:139:A:ALA:H	1:140:A:ASP:H	18	0.13
(1,464)	1:138:A:ASN:HD21	1:141:A:SER:HB2	6	0.13
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	4	0.13
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	6	0.13
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	8	0.13
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	11	0.13
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	18	0.13
(1,377)	1:130:A:THR:H	1:131:A:LEU:HB2	8	0.13
(1,377)	1:130:A:THR:H	1:131:A:LEU:HB3	8	0.13
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG21	3	0.13
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG22	3	0.13
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG23	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	2	0.13
(1,349)	1:127:A:GLN:HE21	1:188:A:LYS:HG2	12	0.13
(1,349)	1:127:A:GLN:HE21	1:188:A:LYS:HG3	12	0.13
(1,345)	1:127:A:GLN:HE21	1:187:A:ILE:H	14	0.13
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB2	11	0.13
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB3	11	0.13
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	20	0.13
(1,290)	1:124:A:TYR:HD1	1:190:A:GLU:H	16	0.13
(1,290)	1:124:A:TYR:HD2	1:190:A:GLU:H	16	0.13
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	2	0.13
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	2	0.13
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	3	0.13
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG2	5	0.13
(1,173)	1:114:A:VAL:H	1:200:A:PRO:HG3	5	0.13
(1,131)	1:108:A:ILE:H	1:118:A:VAL:H	9	0.13
(1,131)	1:108:A:ILE:H	1:118:A:VAL:H	19	0.13
(1,103)	1:106:A:GLN:H	1:151:A:LEU:HD11	15	0.13
(1,103)	1:106:A:GLN:H	1:151:A:LEU:HD12	15	0.13
(1,103)	1:106:A:GLN:H	1:151:A:LEU:HD13	15	0.13
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	20	0.13
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	20	0.13
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	20	0.13
(1,58)	1:100:A:SER:HB3	1:101:A:PHE:H	12	0.13
(1,37)	1:98:A:THR:HG21	1:100:A:SER:H	6	0.13
(1,37)	1:98:A:THR:HG22	1:100:A:SER:H	6	0.13
(1,37)	1:98:A:THR:HG23	1:100:A:SER:H	6	0.13
(1,19)	1:96:A:MET:H	1:98:A:THR:H	5	0.13
(1,13)	1:96:A:MET:H	1:96:A:MET:HG3	8	0.13
(1,8)	1:94:A:VAL:HG11	1:95:A:ASP:H	4	0.13
(1,8)	1:94:A:VAL:HG12	1:95:A:ASP:H	4	0.13
(1,8)	1:94:A:VAL:HG13	1:95:A:ASP:H	4	0.13
(1,8)	1:94:A:VAL:HG21	1:95:A:ASP:H	4	0.13
(1,8)	1:94:A:VAL:HG22	1:95:A:ASP:H	4	0.13
(1,8)	1:94:A:VAL:HG23	1:95:A:ASP:H	4	0.13
(1,2148)	1:202:A:GLN:H	1:202:A:GLN:HB2	11	0.12
(1,2148)	1:202:A:GLN:H	1:202:A:GLN:HB3	11	0.12
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG11	16	0.12
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG12	16	0.12
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG13	16	0.12
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG21	16	0.12
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG22	16	0.12
(1,2140)	1:200:A:PRO:HG2	1:201:A:VAL:HG23	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG11	16	0.12
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG12	16	0.12
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG13	16	0.12
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG21	16	0.12
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG22	16	0.12
(1,2140)	1:200:A:PRO:HG3	1:201:A:VAL:HG23	16	0.12
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG11	8	0.12
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG12	8	0.12
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG13	8	0.12
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG21	8	0.12
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG22	8	0.12
(1,2139)	1:200:A:PRO:HB3	1:201:A:VAL:HG23	8	0.12
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB1	20	0.12
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB2	20	0.12
(1,2112)	1:178:A:LEU:HD11	1:181:A:ALA:HB3	20	0.12
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB1	20	0.12
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB2	20	0.12
(1,2112)	1:178:A:LEU:HD12	1:181:A:ALA:HB3	20	0.12
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB1	20	0.12
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB2	20	0.12
(1,2112)	1:178:A:LEU:HD13	1:181:A:ALA:HB3	20	0.12
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB1	20	0.12
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB2	20	0.12
(1,2112)	1:178:A:LEU:HD21	1:181:A:ALA:HB3	20	0.12
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB1	20	0.12
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB2	20	0.12
(1,2112)	1:178:A:LEU:HD22	1:181:A:ALA:HB3	20	0.12
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB1	20	0.12
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB2	20	0.12
(1,2112)	1:178:A:LEU:HD23	1:181:A:ALA:HB3	20	0.12
(1,2044)	1:154:A:VAL:HG11	1:173:A:ASN:H	14	0.12
(1,2044)	1:154:A:VAL:HG12	1:173:A:ASN:H	14	0.12
(1,2044)	1:154:A:VAL:HG13	1:173:A:ASN:H	14	0.12
(1,2044)	1:154:A:VAL:HG21	1:173:A:ASN:H	14	0.12
(1,2044)	1:154:A:VAL:HG22	1:173:A:ASN:H	14	0.12
(1,2044)	1:154:A:VAL:HG23	1:173:A:ASN:H	14	0.12
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE21	17	0.12
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE22	17	0.12
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE21	19	0.12
(1,2014)	1:148:A:GLN:H	1:148:A:GLN:HE22	19	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD11	10	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD12	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD13	10	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD21	10	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD22	10	0.12
(1,1996)	1:146:A:LEU:HG	1:178:A:LEU:HD23	10	0.12
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD11	15	0.12
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD12	15	0.12
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD13	15	0.12
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD21	15	0.12
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD22	15	0.12
(1,1977)	1:142:A:ALA:HB1	1:146:A:LEU:HD23	15	0.12
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD11	15	0.12
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD12	15	0.12
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD13	15	0.12
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD21	15	0.12
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD22	15	0.12
(1,1977)	1:142:A:ALA:HB2	1:146:A:LEU:HD23	15	0.12
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD11	15	0.12
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD12	15	0.12
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD13	15	0.12
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD21	15	0.12
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD22	15	0.12
(1,1977)	1:142:A:ALA:HB3	1:146:A:LEU:HD23	15	0.12
(1,1975)	1:142:A:ALA:H	1:145:A:LEU:HD11	20	0.12
(1,1975)	1:142:A:ALA:H	1:145:A:LEU:HD12	20	0.12
(1,1975)	1:142:A:ALA:H	1:145:A:LEU:HD13	20	0.12
(1,1975)	1:142:A:ALA:H	1:145:A:LEU:HD21	20	0.12
(1,1975)	1:142:A:ALA:H	1:145:A:LEU:HD22	20	0.12
(1,1975)	1:142:A:ALA:H	1:145:A:LEU:HD23	20	0.12
(1,1952)	1:128:A:ASN:HD21	1:132:A:ALA:H	13	0.12
(1,1952)	1:128:A:ASN:HD22	1:132:A:ALA:H	13	0.12
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	20	0.12
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	20	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD11	13	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD12	13	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD13	13	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	13	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	13	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	13	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD11	14	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD12	14	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD13	14	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	14	0.12
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	14	0.12
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG21	1	0.12
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG22	1	0.12
(1,1914)	1:122:A:VAL:HG11	1:143:A:THR:HG23	1	0.12
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG21	1	0.12
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG22	1	0.12
(1,1914)	1:122:A:VAL:HG12	1:143:A:THR:HG23	1	0.12
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG21	1	0.12
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG22	1	0.12
(1,1914)	1:122:A:VAL:HG13	1:143:A:THR:HG23	1	0.12
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG21	1	0.12
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG22	1	0.12
(1,1914)	1:122:A:VAL:HG21	1:143:A:THR:HG23	1	0.12
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG21	1	0.12
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG22	1	0.12
(1,1914)	1:122:A:VAL:HG22	1:143:A:THR:HG23	1	0.12
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG21	1	0.12
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG22	1	0.12
(1,1914)	1:122:A:VAL:HG23	1:143:A:THR:HG23	1	0.12
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	1	0.12
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	1	0.12
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	1	0.12
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	1	0.12
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	1	0.12
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	1	0.12
(1,1890)	1:118:A:VAL:HG11	1:151:A:LEU:HG	14	0.12
(1,1890)	1:118:A:VAL:HG12	1:151:A:LEU:HG	14	0.12
(1,1890)	1:118:A:VAL:HG13	1:151:A:LEU:HG	14	0.12
(1,1890)	1:118:A:VAL:HG21	1:151:A:LEU:HG	14	0.12
(1,1890)	1:118:A:VAL:HG22	1:151:A:LEU:HG	14	0.12
(1,1890)	1:118:A:VAL:HG23	1:151:A:LEU:HG	14	0.12
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	4	0.12
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	4	0.12
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	4	0.12
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	4	0.12
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	4	0.12
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	4	0.12
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	12	0.12
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	12	0.12
(1,1802)	1:96:A:MET:HB2	1:97:A:ARG:H	3	0.12
(1,1802)	1:96:A:MET:HB3	1:97:A:ARG:H	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG2	4	0.12
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG3	4	0.12
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG2	17	0.12
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG3	17	0.12
(1,1790)	1:172:A:HIS:HB2	1:172:A:HIS:HE1	18	0.12
(1,1790)	1:172:A:HIS:HB3	1:172:A:HIS:HE1	18	0.12
(1,1736)	1:159:A:ASN:HB3	1:160:A:LEU:HB3	12	0.12
(1,1725)	1:164:A:LEU:HA	1:197:A:VAL:HB	8	0.12
(1,1709)	1:105:A:PRO:HA	1:118:A:VAL:HB	16	0.12
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	9	0.12
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	9	0.12
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	9	0.12
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	9	0.12
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	9	0.12
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG2	5	0.12
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG3	5	0.12
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG2	14	0.12
(1,1624)	1:160:A:LEU:HB3	1:200:A:PRO:HG3	14	0.12
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	2	0.12
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	2	0.12
(1,1598)	1:170:A:ILE:HG21	1:174:A:MET:HB3	7	0.12
(1,1598)	1:170:A:ILE:HG22	1:174:A:MET:HB3	7	0.12
(1,1598)	1:170:A:ILE:HG23	1:174:A:MET:HB3	7	0.12
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	1	0.12
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	1	0.12
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	1	0.12
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	3	0.12
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	3	0.12
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	3	0.12
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	11	0.12
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	11	0.12
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	11	0.12
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	20	0.12
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	20	0.12
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	8	0.12
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	8	0.12
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	8	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	5	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	5	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	5	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	11	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	11	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	15	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	15	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	15	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	16	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	16	0.12
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	16	0.12
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG11	6	0.12
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG12	6	0.12
(1,1524)	1:164:A:LEU:HB3	1:197:A:VAL:HG13	6	0.12
(1,1443)	1:121:A:VAL:HA	1:122:A:VAL:HG21	18	0.12
(1,1443)	1:121:A:VAL:HA	1:122:A:VAL:HG22	18	0.12
(1,1443)	1:121:A:VAL:HA	1:122:A:VAL:HG23	18	0.12
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	5	0.12
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	5	0.12
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	5	0.12
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	5	0.12
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	1	0.12
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	1	0.12
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	14	0.12
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	14	0.12
(1,1361)	1:116:A:ILE:HG21	1:160:A:LEU:HA	12	0.12
(1,1361)	1:116:A:ILE:HG22	1:160:A:LEU:HA	12	0.12
(1,1361)	1:116:A:ILE:HG23	1:160:A:LEU:HA	12	0.12
(1,1303)	1:127:A:GLN:HG2	1:128:A:ASN:HB2	18	0.12
(1,1303)	1:127:A:GLN:HG3	1:128:A:ASN:HB2	18	0.12
(1,1277)	1:125:A:ARG:HA	1:125:A:ARG:HD2	20	0.12
(1,1277)	1:125:A:ARG:HA	1:125:A:ARG:HD3	20	0.12
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB1	2	0.12
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB2	2	0.12
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB3	2	0.12
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB1	2	0.12
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB2	2	0.12
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB3	2	0.12
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB1	2	0.12
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB2	2	0.12
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB3	2	0.12
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG12	5	0.12
(1,1261)	1:158:A:LYS:HG2	1:163:A:ILE:HG13	5	0.12
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG12	5	0.12
(1,1261)	1:158:A:LYS:HG3	1:163:A:ILE:HG13	5	0.12
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	5	0.12
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	5	0.12
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	5	0.12
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	5	0.12
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	5	0.12
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	5	0.12
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	5	0.12
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	5	0.12
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD21	7	0.12
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD22	7	0.12
(1,1203)	1:150:A:THR:HG21	1:178:A:LEU:HD23	7	0.12
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD21	7	0.12
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD22	7	0.12
(1,1203)	1:150:A:THR:HG22	1:178:A:LEU:HD23	7	0.12
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD21	7	0.12
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD22	7	0.12
(1,1203)	1:150:A:THR:HG23	1:178:A:LEU:HD23	7	0.12
(1,1190)	1:114:A:VAL:HG11	1:200:A:PRO:HB3	18	0.12
(1,1190)	1:114:A:VAL:HG12	1:200:A:PRO:HB3	18	0.12
(1,1190)	1:114:A:VAL:HG13	1:200:A:PRO:HB3	18	0.12
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	19	0.12
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	19	0.12
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	19	0.12
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	19	0.12
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	19	0.12
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	19	0.12
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	19	0.12
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	19	0.12
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	19	0.12
(1,1167)	1:94:A:VAL:H	1:94:A:VAL:HB	3	0.12
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	6	0.12
(1,1111)	1:164:A:LEU:HB2	1:197:A:VAL:H	20	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	2	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	2	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	9	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	9	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	17	0.12
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	17	0.12
(1,1070)	1:187:A:ILE:HG21	1:189:A:VAL:H	11	0.12
(1,1070)	1:187:A:ILE:HG22	1:189:A:VAL:H	11	0.12
(1,1070)	1:187:A:ILE:HG23	1:189:A:VAL:H	11	0.12
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD11	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD12	2	0.12
(1,1064)	1:186:A:GLY:H	1:187:A:ILE:HD13	2	0.12
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB2	5	0.12
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB3	5	0.12
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB2	11	0.12
(1,1050)	1:184:A:ALA:H	1:185:A:TRP:HB3	11	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD11	6	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD12	6	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD13	6	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD11	20	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD12	20	0.12
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD13	20	0.12
(1,1044)	1:181:A:ALA:HA	1:183:A:ASP:H	3	0.12
(1,1015)	1:179:A:ASP:HB2	1:189:A:VAL:H	9	0.12
(1,1015)	1:179:A:ASP:HB2	1:189:A:VAL:H	17	0.12
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD21	2	0.12
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD22	2	0.12
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD23	2	0.12
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD21	11	0.12
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD22	11	0.12
(1,996)	1:178:A:LEU:H	1:178:A:LEU:HD23	11	0.12
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	12	0.12
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	3	0.12
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	3	0.12
(1,934)	1:174:A:MET:HB3	1:175:A:GLN:HE21	9	0.12
(1,917)	1:173:A:ASN:HA	1:173:A:ASN:HD21	12	0.12
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	17	0.12
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	4	0.12
(1,889)	1:165:A:SER:HB3	1:166:A:ASP:H	18	0.12
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	6	0.12
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	6	0.12
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	6	0.12
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	8	0.12
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	8	0.12
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	8	0.12
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	13	0.12
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	13	0.12
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	13	0.12
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB2	16	0.12
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB3	16	0.12
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	13	0.12
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	13	0.12
(1,814)	1:171:A:ALA:H	1:194:A:ILE:HD11	18	0.12
(1,814)	1:171:A:ALA:H	1:194:A:ILE:HD12	18	0.12
(1,814)	1:171:A:ALA:H	1:194:A:ILE:HD13	18	0.12
(1,810)	1:167:A:ARG:HB2	1:171:A:ALA:H	3	0.12
(1,810)	1:167:A:ARG:HB3	1:171:A:ALA:H	3	0.12
(1,805)	1:165:A:SER:H	1:166:A:ASP:HB2	19	0.12
(1,784)	1:158:A:LYS:HB2	1:163:A:ILE:H	12	0.12
(1,784)	1:158:A:LYS:HB3	1:163:A:ILE:H	12	0.12
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	20	0.12
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	20	0.12
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE2	15	0.12
(1,714)	1:158:A:LYS:H	1:158:A:LYS:HE3	15	0.12
(1,597)	1:149:A:THR:HG21	1:150:A:THR:H	11	0.12
(1,597)	1:149:A:THR:HG22	1:150:A:THR:H	11	0.12
(1,597)	1:149:A:THR:HG23	1:150:A:THR:H	11	0.12
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	1	0.12
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	1	0.12
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	1	0.12
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	13	0.12
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	13	0.12
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	13	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD21	1	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD22	1	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD23	1	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD21	14	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD22	14	0.12
(1,566)	1:147:A:ALA:H	1:178:A:LEU:HD23	14	0.12
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	18	0.12
(1,528)	1:144:A:ARG:HD2	1:145:A:LEU:H	2	0.12
(1,528)	1:144:A:ARG:HD3	1:145:A:LEU:H	2	0.12
(1,512)	1:143:A:THR:H	1:144:A:ARG:HB3	8	0.12
(1,510)	1:143:A:THR:H	1:146:A:LEU:HB2	5	0.12
(1,496)	1:142:A:ALA:H	1:144:A:ARG:HB3	5	0.12
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	16	0.12
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	9	0.12
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	19	0.12
(1,388)	1:131:A:LEU:H	1:132:A:ALA:HA	15	0.12
(1,364)	1:128:A:ASN:HB3	1:130:A:THR:H	4	0.12
(1,350)	1:127:A:GLN:HE21	1:128:A:ASN:HB3	11	0.12
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	15	0.12
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	16	0.12
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	16	0.12
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	11	0.12
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	11	0.12
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	5	0.12
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	4	0.12
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	15	0.12
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	19	0.12
(1,149)	1:109:A:LEU:HD21	1:110:A:THR:H	10	0.12
(1,149)	1:109:A:LEU:HD22	1:110:A:THR:H	10	0.12
(1,149)	1:109:A:LEU:HD23	1:110:A:THR:H	10	0.12
(1,127)	1:108:A:ILE:H	1:115:A:THR:HA	10	0.12
(1,105)	1:188:A:LYS:H	1:189:A:VAL:HA	15	0.12
(1,105)	1:188:A:LYS:H	1:189:A:VAL:HA	17	0.12
(1,105)	1:188:A:LYS:H	1:189:A:VAL:HA	19	0.12
(1,97)	1:105:A:PRO:HB2	1:118:A:VAL:H	2	0.12
(1,97)	1:105:A:PRO:HB3	1:118:A:VAL:H	2	0.12
(1,95)	1:103:A:ILE:HD11	1:148:A:GLN:H	11	0.12
(1,95)	1:103:A:ILE:HD12	1:148:A:GLN:H	11	0.12
(1,95)	1:103:A:ILE:HD13	1:148:A:GLN:H	11	0.12
(1,66)	1:101:A:PHE:H	1:124:A:TYR:H	14	0.12
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	7	0.12
(1,9)	1:94:A:VAL:HG11	1:96:A:MET:H	3	0.12
(1,9)	1:94:A:VAL:HG12	1:96:A:MET:H	3	0.12
(1,9)	1:94:A:VAL:HG13	1:96:A:MET:H	3	0.12
(1,9)	1:94:A:VAL:HG21	1:96:A:MET:H	3	0.12
(1,9)	1:94:A:VAL:HG22	1:96:A:MET:H	3	0.12
(1,9)	1:94:A:VAL:HG23	1:96:A:MET:H	3	0.12
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG21	14	0.11
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG22	14	0.11
(1,2057)	1:155:A:LEU:HD11	1:163:A:ILE:HG23	14	0.11
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG21	14	0.11
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG22	14	0.11
(1,2057)	1:155:A:LEU:HD12	1:163:A:ILE:HG23	14	0.11
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG21	14	0.11
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG22	14	0.11
(1,2057)	1:155:A:LEU:HD13	1:163:A:ILE:HG23	14	0.11
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG21	14	0.11
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG22	14	0.11
(1,2057)	1:155:A:LEU:HD21	1:163:A:ILE:HG23	14	0.11
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG21	14	0.11
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG22	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:155:A:LEU:HD22	1:163:A:ILE:HG23	14	0.11
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG21	14	0.11
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG22	14	0.11
(1,2057)	1:155:A:LEU:HD23	1:163:A:ILE:HG23	14	0.11
(1,2044)	1:154:A:VAL:HG11	1:173:A:ASN:H	12	0.11
(1,2044)	1:154:A:VAL:HG12	1:173:A:ASN:H	12	0.11
(1,2044)	1:154:A:VAL:HG13	1:173:A:ASN:H	12	0.11
(1,2044)	1:154:A:VAL:HG21	1:173:A:ASN:H	12	0.11
(1,2044)	1:154:A:VAL:HG22	1:173:A:ASN:H	12	0.11
(1,2044)	1:154:A:VAL:HG23	1:173:A:ASN:H	12	0.11
(1,1990)	1:145:A:LEU:HD11	1:148:A:GLN:HE21	10	0.11
(1,1990)	1:145:A:LEU:HD11	1:148:A:GLN:HE22	10	0.11
(1,1990)	1:145:A:LEU:HD12	1:148:A:GLN:HE21	10	0.11
(1,1990)	1:145:A:LEU:HD12	1:148:A:GLN:HE22	10	0.11
(1,1990)	1:145:A:LEU:HD13	1:148:A:GLN:HE21	10	0.11
(1,1990)	1:145:A:LEU:HD13	1:148:A:GLN:HE22	10	0.11
(1,1990)	1:145:A:LEU:HD21	1:148:A:GLN:HE21	10	0.11
(1,1990)	1:145:A:LEU:HD21	1:148:A:GLN:HE22	10	0.11
(1,1990)	1:145:A:LEU:HD22	1:148:A:GLN:HE21	10	0.11
(1,1990)	1:145:A:LEU:HD22	1:148:A:GLN:HE22	10	0.11
(1,1990)	1:145:A:LEU:HD23	1:148:A:GLN:HE21	10	0.11
(1,1990)	1:145:A:LEU:HD23	1:148:A:GLN:HE22	10	0.11
(1,1985)	1:145:A:LEU:HA	1:145:A:LEU:HD11	16	0.11
(1,1985)	1:145:A:LEU:HA	1:145:A:LEU:HD12	16	0.11
(1,1985)	1:145:A:LEU:HA	1:145:A:LEU:HD13	16	0.11
(1,1985)	1:145:A:LEU:HA	1:145:A:LEU:HD21	16	0.11
(1,1985)	1:145:A:LEU:HA	1:145:A:LEU:HD22	16	0.11
(1,1985)	1:145:A:LEU:HA	1:145:A:LEU:HD23	16	0.11
(1,1982)	1:144:A:ARG:HD2	1:148:A:GLN:HE21	16	0.11
(1,1982)	1:144:A:ARG:HD2	1:148:A:GLN:HE22	16	0.11
(1,1982)	1:144:A:ARG:HD3	1:148:A:GLN:HE21	16	0.11
(1,1982)	1:144:A:ARG:HD3	1:148:A:GLN:HE22	16	0.11
(1,1976)	1:142:A:ALA:HA	1:145:A:LEU:HD11	20	0.11
(1,1976)	1:142:A:ALA:HA	1:145:A:LEU:HD12	20	0.11
(1,1976)	1:142:A:ALA:HA	1:145:A:LEU:HD13	20	0.11
(1,1976)	1:142:A:ALA:HA	1:145:A:LEU:HD21	20	0.11
(1,1976)	1:142:A:ALA:HA	1:145:A:LEU:HD22	20	0.11
(1,1976)	1:142:A:ALA:HA	1:145:A:LEU:HD23	20	0.11
(1,1950)	1:128:A:ASN:HD21	1:131:A:LEU:H	18	0.11
(1,1950)	1:128:A:ASN:HD22	1:131:A:LEU:H	18	0.11
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD11	5	0.11
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD12	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD13	5	0.11
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD21	5	0.11
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD22	5	0.11
(1,1946)	1:128:A:ASN:HB2	1:131:A:LEU:HD23	5	0.11
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG2	14	0.11
(1,1923)	1:123:A:TYR:H	1:190:A:GLU:HG3	14	0.11
(1,1874)	1:114:A:VAL:HG11	1:200:A:PRO:HD2	10	0.11
(1,1874)	1:114:A:VAL:HG11	1:200:A:PRO:HD3	10	0.11
(1,1874)	1:114:A:VAL:HG12	1:200:A:PRO:HD2	10	0.11
(1,1874)	1:114:A:VAL:HG12	1:200:A:PRO:HD3	10	0.11
(1,1874)	1:114:A:VAL:HG13	1:200:A:PRO:HD2	10	0.11
(1,1874)	1:114:A:VAL:HG13	1:200:A:PRO:HD3	10	0.11
(1,1874)	1:114:A:VAL:HG21	1:200:A:PRO:HD2	10	0.11
(1,1874)	1:114:A:VAL:HG21	1:200:A:PRO:HD3	10	0.11
(1,1874)	1:114:A:VAL:HG22	1:200:A:PRO:HD2	10	0.11
(1,1874)	1:114:A:VAL:HG22	1:200:A:PRO:HD3	10	0.11
(1,1874)	1:114:A:VAL:HG23	1:200:A:PRO:HD2	10	0.11
(1,1874)	1:114:A:VAL:HG23	1:200:A:PRO:HD3	10	0.11
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	2	0.11
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	2	0.11
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	2	0.11
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	2	0.11
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	2	0.11
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	2	0.11
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	12	0.11
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	12	0.11
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	12	0.11
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	12	0.11
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	12	0.11
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	12	0.11
(1,1864)	1:114:A:VAL:HG11	1:115:A:THR:H	15	0.11
(1,1864)	1:114:A:VAL:HG12	1:115:A:THR:H	15	0.11
(1,1864)	1:114:A:VAL:HG13	1:115:A:THR:H	15	0.11
(1,1864)	1:114:A:VAL:HG21	1:115:A:THR:H	15	0.11
(1,1864)	1:114:A:VAL:HG22	1:115:A:THR:H	15	0.11
(1,1864)	1:114:A:VAL:HG23	1:115:A:THR:H	15	0.11
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	6	0.11
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	6	0.11
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG11	4	0.11
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG12	4	0.11
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG13	4	0.11
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG21	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG22	4	0.11
(1,1831)	1:108:A:ILE:H	1:118:A:VAL:HG23	4	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	6	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	6	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	6	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	6	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	6	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	6	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	12	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	12	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	12	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	12	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	12	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	12	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD11	19	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD12	19	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD13	19	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD21	19	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD22	19	0.11
(1,1828)	1:106:A:GLN:H	1:155:A:LEU:HD23	19	0.11
(1,1805)	1:96:A:MET:HB2	1:126:A:VAL:H	16	0.11
(1,1805)	1:96:A:MET:HB3	1:126:A:VAL:H	16	0.11
(1,1795)	1:95:A:ASP:H	1:95:A:ASP:HB2	7	0.11
(1,1795)	1:95:A:ASP:H	1:95:A:ASP:HB3	7	0.11
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD11	6	0.11
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD12	6	0.11
(1,1735)	1:116:A:ILE:HB	1:163:A:ILE:HD13	6	0.11
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	3	0.11
(1,1683)	1:171:A:ALA:HA	1:175:A:GLN:HB3	2	0.11
(1,1682)	1:158:A:LYS:HB2	1:163:A:ILE:HA	12	0.11
(1,1682)	1:158:A:LYS:HB3	1:163:A:ILE:HA	12	0.11
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB1	8	0.11
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB2	8	0.11
(1,1651)	1:178:A:LEU:HB2	1:181:A:ALA:HB3	8	0.11
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB1	8	0.11
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB2	8	0.11
(1,1651)	1:178:A:LEU:HB3	1:181:A:ALA:HB3	8	0.11
(1,1648)	1:140:A:ASP:HA	1:143:A:THR:HA	12	0.11
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	15	0.11
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	15	0.11
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	15	0.11
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG2	14	0.11
(1,1620)	1:155:A:LEU:HG	1:158:A:LYS:HG3	14	0.11
(1,1612)	1:149:A:THR:HA	1:152:A:ARG:HD3	3	0.11
(1,1612)	1:149:A:THR:HA	1:152:A:ARG:HD3	5	0.11
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG2	14	0.11
(1,1599)	1:191:A:ARG:HD2	1:193:A:GLU:HG3	14	0.11
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB1	16	0.11
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB2	16	0.11
(1,1592)	1:126:A:VAL:HA	1:132:A:ALA:HB3	16	0.11
(1,1584)	1:99:A:ILE:HG21	1:100:A:SER:HB2	1	0.11
(1,1584)	1:99:A:ILE:HG22	1:100:A:SER:HB2	1	0.11
(1,1584)	1:99:A:ILE:HG23	1:100:A:SER:HB2	1	0.11
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	4	0.11
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	4	0.11
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB2	6	0.11
(1,1572)	1:130:A:THR:HA	1:131:A:LEU:HB3	6	0.11
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	7	0.11
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	7	0.11
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	7	0.11
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	15	0.11
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	15	0.11
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	15	0.11
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	17	0.11
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	17	0.11
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	17	0.11
(1,1571)	1:108:A:ILE:HG21	1:110:A:THR:HA	20	0.11
(1,1571)	1:108:A:ILE:HG22	1:110:A:THR:HA	20	0.11
(1,1571)	1:108:A:ILE:HG23	1:110:A:THR:HA	20	0.11
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB2	12	0.11
(1,1557)	1:188:A:LYS:HD2	1:190:A:GLU:HB3	12	0.11
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB2	12	0.11
(1,1557)	1:188:A:LYS:HD3	1:190:A:GLU:HB3	12	0.11
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG11	19	0.11
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG12	19	0.11
(1,1533)	1:121:A:VAL:HA	1:122:A:VAL:HG13	19	0.11
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB2	10	0.11
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB3	10	0.11
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB2	10	0.11
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB3	10	0.11
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD21	15	0.11
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD22	15	0.11
(1,1429)	1:147:A:ALA:HA	1:178:A:LEU:HD23	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD21	10	0.11
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD22	10	0.11
(1,1406)	1:174:A:MET:HG2	1:178:A:LEU:HD23	10	0.11
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD21	10	0.11
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD22	10	0.11
(1,1406)	1:174:A:MET:HG3	1:178:A:LEU:HD23	10	0.11
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	12	0.11
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	12	0.11
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG12	14	0.11
(1,1390)	1:151:A:LEU:HB3	1:170:A:ILE:HG13	14	0.11
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	7	0.11
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	7	0.11
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG21	7	0.11
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG22	7	0.11
(1,1377)	1:175:A:GLN:HG2	1:192:A:VAL:HG23	7	0.11
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG21	7	0.11
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG22	7	0.11
(1,1377)	1:175:A:GLN:HG3	1:192:A:VAL:HG23	7	0.11
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD11	18	0.11
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD12	18	0.11
(1,1376)	1:170:A:ILE:HG21	1:194:A:ILE:HD13	18	0.11
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD11	18	0.11
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD12	18	0.11
(1,1376)	1:170:A:ILE:HG22	1:194:A:ILE:HD13	18	0.11
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD11	18	0.11
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD12	18	0.11
(1,1376)	1:170:A:ILE:HG23	1:194:A:ILE:HD13	18	0.11
(1,1361)	1:116:A:ILE:HG21	1:160:A:LEU:HA	2	0.11
(1,1361)	1:116:A:ILE:HG22	1:160:A:LEU:HA	2	0.11
(1,1361)	1:116:A:ILE:HG23	1:160:A:LEU:HA	2	0.11
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG21	16	0.11
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG22	16	0.11
(1,1339)	1:174:A:MET:HB2	1:177:A:THR:HG23	16	0.11
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE2	9	0.11
(1,1324)	1:195:A:LYS:HA	1:195:A:LYS:HE3	9	0.11
(1,1319)	1:108:A:ILE:HD11	1:152:A:ARG:HG2	18	0.11
(1,1319)	1:108:A:ILE:HD11	1:152:A:ARG:HG3	18	0.11
(1,1319)	1:108:A:ILE:HD12	1:152:A:ARG:HG2	18	0.11
(1,1319)	1:108:A:ILE:HD12	1:152:A:ARG:HG3	18	0.11
(1,1319)	1:108:A:ILE:HD13	1:152:A:ARG:HG2	18	0.11
(1,1319)	1:108:A:ILE:HD13	1:152:A:ARG:HG3	18	0.11
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB1	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB2	4	0.11
(1,1270)	1:146:A:LEU:HD11	1:181:A:ALA:HB3	4	0.11
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB1	4	0.11
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB2	4	0.11
(1,1270)	1:146:A:LEU:HD12	1:181:A:ALA:HB3	4	0.11
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB1	4	0.11
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB2	4	0.11
(1,1270)	1:146:A:LEU:HD13	1:181:A:ALA:HB3	4	0.11
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	10	0.11
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	10	0.11
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	10	0.11
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	10	0.11
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	10	0.11
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	10	0.11
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG21	7	0.11
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG22	7	0.11
(1,1177)	1:116:A:ILE:HD11	1:197:A:VAL:HG23	7	0.11
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG21	7	0.11
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG22	7	0.11
(1,1177)	1:116:A:ILE:HD12	1:197:A:VAL:HG23	7	0.11
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG21	7	0.11
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG22	7	0.11
(1,1177)	1:116:A:ILE:HD13	1:197:A:VAL:HG23	7	0.11
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	10	0.11
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	10	0.11
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	17	0.11
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	17	0.11
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB2	19	0.11
(1,1112)	1:197:A:VAL:H	1:198:A:LYS:HB3	19	0.11
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	15	0.11
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	15	0.11
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	15	0.11
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	18	0.11
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	18	0.11
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	18	0.11
(1,1105)	1:194:A:ILE:HD11	1:195:A:LYS:H	11	0.11
(1,1105)	1:194:A:ILE:HD12	1:195:A:LYS:H	11	0.11
(1,1105)	1:194:A:ILE:HD13	1:195:A:LYS:H	11	0.11
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	17	0.11
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	17	0.11
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	17	0.11
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD11	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD12	19	0.11
(1,1046)	1:183:A:ASP:H	1:187:A:ILE:HD13	19	0.11
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG21	1	0.11
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG22	1	0.11
(1,1045)	1:183:A:ASP:H	1:187:A:ILE:HG23	1	0.11
(1,1030)	1:181:A:ALA:H	1:183:A:ASP:HB2	2	0.11
(1,1030)	1:181:A:ALA:H	1:183:A:ASP:HB3	2	0.11
(1,1024)	1:182:A:THR:HB	1:185:A:TRP:H	7	0.11
(1,1024)	1:182:A:THR:HB	1:185:A:TRP:H	12	0.11
(1,945)	1:173:A:ASN:HA	1:175:A:GLN:H	7	0.11
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	4	0.11
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	11	0.11
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	17	0.11
(1,937)	1:174:A:MET:HG2	1:175:A:GLN:HE21	16	0.11
(1,937)	1:174:A:MET:HG3	1:175:A:GLN:HE21	16	0.11
(1,916)	1:173:A:ASN:HA	1:173:A:ASN:HD22	12	0.11
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	3	0.11
(1,912)	1:173:A:ASN:H	1:174:A:MET:HB3	12	0.11
(1,903)	1:172:A:HIS:H	1:175:A:GLN:HB3	9	0.11
(1,897)	1:171:A:ALA:HB1	1:193:A:GLU:H	1	0.11
(1,897)	1:171:A:ALA:HB2	1:193:A:GLU:H	1	0.11
(1,897)	1:171:A:ALA:HB3	1:193:A:GLU:H	1	0.11
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	8	0.11
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	15	0.11
(1,891)	1:171:A:ALA:HA	1:173:A:ASN:H	19	0.11
(1,882)	1:170:A:ILE:HG21	1:172:A:HIS:H	12	0.11
(1,882)	1:170:A:ILE:HG22	1:172:A:HIS:H	12	0.11
(1,882)	1:170:A:ILE:HG23	1:172:A:HIS:H	12	0.11
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	8	0.11
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	8	0.11
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	8	0.11
(1,881)	1:170:A:ILE:HG21	1:171:A:ALA:H	14	0.11
(1,881)	1:170:A:ILE:HG22	1:171:A:ALA:H	14	0.11
(1,881)	1:170:A:ILE:HG23	1:171:A:ALA:H	14	0.11
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD11	15	0.11
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD12	15	0.11
(1,876)	1:170:A:ILE:H	1:194:A:ILE:HD13	15	0.11
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	1	0.11
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	1	0.11
(1,851)	1:168:A:GLU:HG3	1:169:A:GLU:H	9	0.11
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	2	0.11
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:169:A:GLU:HG2	1:171:A:ALA:H	12	0.11
(1,811)	1:169:A:GLU:HG3	1:171:A:ALA:H	12	0.11
(1,811)	1:169:A:GLU:HG2	1:171:A:ALA:H	16	0.11
(1,811)	1:169:A:GLU:HG3	1:171:A:ALA:H	16	0.11
(1,799)	1:164:A:LEU:HB3	1:165:A:SER:H	8	0.11
(1,717)	1:158:A:LYS:HG2	1:163:A:ILE:H	13	0.11
(1,717)	1:158:A:LYS:HG3	1:163:A:ILE:H	13	0.11
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD2	20	0.11
(1,709)	1:157:A:THR:H	1:158:A:LYS:HD3	20	0.11
(1,633)	1:151:A:LEU:H	1:174:A:MET:HB2	2	0.11
(1,624)	1:149:A:THR:HG21	1:151:A:LEU:H	15	0.11
(1,624)	1:149:A:THR:HG22	1:151:A:LEU:H	15	0.11
(1,624)	1:149:A:THR:HG23	1:151:A:LEU:H	15	0.11
(1,601)	1:149:A:THR:HG21	1:153:A:ASN:HD21	19	0.11
(1,601)	1:149:A:THR:HG22	1:153:A:ASN:HD21	19	0.11
(1,601)	1:149:A:THR:HG23	1:153:A:ASN:HD21	19	0.11
(1,554)	1:146:A:LEU:HG	1:150:A:THR:H	4	0.11
(1,493)	1:141:A:SER:HB2	1:142:A:ALA:H	19	0.11
(1,491)	1:141:A:SER:H	1:144:A:ARG:HB3	11	0.11
(1,482)	1:140:A:ASP:HA	1:142:A:ALA:H	16	0.11
(1,482)	1:140:A:ASP:HA	1:142:A:ALA:H	17	0.11
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	5	0.11
(1,434)	1:135:A:ASN:HD22	1:136:A:ILE:H	7	0.11
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	10	0.11
(1,377)	1:130:A:THR:H	1:131:A:LEU:HB2	11	0.11
(1,377)	1:130:A:THR:H	1:131:A:LEU:HB3	11	0.11
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	19	0.11
(1,354)	1:128:A:ASN:H	1:130:A:THR:H	20	0.11
(1,344)	1:127:A:GLN:HE21	1:186:A:GLY:H	4	0.11
(1,338)	1:127:A:GLN:HB2	1:187:A:ILE:H	15	0.11
(1,338)	1:127:A:GLN:HB3	1:187:A:ILE:H	15	0.11
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB2	2	0.11
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB3	2	0.11
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB2	8	0.11
(1,331)	1:127:A:GLN:H	1:188:A:LYS:HB3	8	0.11
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD11	18	0.11
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD12	18	0.11
(1,329)	1:127:A:GLN:H	1:187:A:ILE:HD13	18	0.11
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	6	0.11
(1,281)	1:123:A:TYR:HD1	1:124:A:TYR:H	20	0.11
(1,281)	1:123:A:TYR:HD2	1:124:A:TYR:H	20	0.11
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:119:A:ASP:HB2	1:120:A:GLY:H	10	0.11
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	12	0.11
(1,115)	1:123:A:TYR:H	1:192:A:VAL:HB	16	0.11
(1,20)	1:96:A:MET:HA	1:98:A:THR:H	4	0.11
(1,2148)	1:202:A:GLN:H	1:202:A:GLN:HB2	4	0.1
(1,2148)	1:202:A:GLN:H	1:202:A:GLN:HB3	4	0.1
(1,2134)	1:197:A:VAL:HG11	1:199:A:LEU:H	15	0.1
(1,2134)	1:197:A:VAL:HG12	1:199:A:LEU:H	15	0.1
(1,2134)	1:197:A:VAL:HG13	1:199:A:LEU:H	15	0.1
(1,2134)	1:197:A:VAL:HG21	1:199:A:LEU:H	15	0.1
(1,2134)	1:197:A:VAL:HG22	1:199:A:LEU:H	15	0.1
(1,2134)	1:197:A:VAL:HG23	1:199:A:LEU:H	15	0.1
(1,2095)	1:174:A:MET:HB3	1:178:A:LEU:HD11	2	0.1
(1,2095)	1:174:A:MET:HB3	1:178:A:LEU:HD12	2	0.1
(1,2095)	1:174:A:MET:HB3	1:178:A:LEU:HD13	2	0.1
(1,2095)	1:174:A:MET:HB3	1:178:A:LEU:HD21	2	0.1
(1,2095)	1:174:A:MET:HB3	1:178:A:LEU:HD22	2	0.1
(1,2095)	1:174:A:MET:HB3	1:178:A:LEU:HD23	2	0.1
(1,1861)	1:112:A:ASP:HB2	1:160:A:LEU:HA	17	0.1
(1,1861)	1:112:A:ASP:HB3	1:160:A:LEU:HA	17	0.1
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG2	15	0.1
(1,1801)	1:96:A:MET:HA	1:96:A:MET:HG3	15	0.1
(1,1769)	1:182:A:THR:HG21	1:187:A:ILE:HG12	10	0.1
(1,1769)	1:182:A:THR:HG22	1:187:A:ILE:HG12	10	0.1
(1,1769)	1:182:A:THR:HG23	1:187:A:ILE:HG12	10	0.1
(1,1747)	1:169:A:GLU:HG2	1:172:A:HIS:HB2	11	0.1
(1,1747)	1:169:A:GLU:HG2	1:172:A:HIS:HB3	11	0.1
(1,1747)	1:169:A:GLU:HG3	1:172:A:HIS:HB2	11	0.1
(1,1747)	1:169:A:GLU:HG3	1:172:A:HIS:HB3	11	0.1
(1,1708)	1:97:A:ARG:HA	1:126:A:VAL:HA	14	0.1
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG21	14	0.1
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG22	14	0.1
(1,1691)	1:110:A:THR:HG21	1:116:A:ILE:HG23	14	0.1
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG21	14	0.1
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG22	14	0.1
(1,1691)	1:110:A:THR:HG22	1:116:A:ILE:HG23	14	0.1
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG21	14	0.1
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG22	14	0.1
(1,1691)	1:110:A:THR:HG23	1:116:A:ILE:HG23	14	0.1
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB2	14	0.1
(1,1661)	1:122:A:VAL:HG21	1:178:A:LEU:HB3	14	0.1
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB2	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:122:A:VAL:HG22	1:178:A:LEU:HB3	14	0.1
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB2	14	0.1
(1,1661)	1:122:A:VAL:HG23	1:178:A:LEU:HB3	14	0.1
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB2	7	0.1
(1,1630)	1:125:A:ARG:HG2	1:127:A:GLN:HB3	7	0.1
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB2	7	0.1
(1,1630)	1:125:A:ARG:HG3	1:127:A:GLN:HB3	7	0.1
(1,1459)	1:187:A:ILE:HG21	1:188:A:LYS:HA	11	0.1
(1,1459)	1:187:A:ILE:HG22	1:188:A:LYS:HA	11	0.1
(1,1459)	1:187:A:ILE:HG23	1:188:A:LYS:HA	11	0.1
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB2	7	0.1
(1,1441)	1:190:A:GLU:HB2	1:191:A:ARG:HB3	7	0.1
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB2	7	0.1
(1,1441)	1:190:A:GLU:HB3	1:191:A:ARG:HB3	7	0.1
(1,1438)	1:168:A:GLU:HG2	1:169:A:GLU:HA	7	0.1
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB2	7	0.1
(1,1423)	1:188:A:LYS:HG2	1:190:A:GLU:HB3	7	0.1
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB2	7	0.1
(1,1423)	1:188:A:LYS:HG3	1:190:A:GLU:HB3	7	0.1
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE1	15	0.1
(1,1386)	1:124:A:TYR:HA	1:124:A:TYR:HE2	15	0.1
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG2	20	0.1
(1,1346)	1:160:A:LEU:HG	1:200:A:PRO:HG3	20	0.1
(1,1303)	1:127:A:GLN:HG2	1:128:A:ASN:HB2	12	0.1
(1,1303)	1:127:A:GLN:HG3	1:128:A:ASN:HB2	12	0.1
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB2	20	0.1
(1,1206)	1:110:A:THR:HG21	1:158:A:LYS:HB3	20	0.1
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB2	20	0.1
(1,1206)	1:110:A:THR:HG22	1:158:A:LYS:HB3	20	0.1
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB2	20	0.1
(1,1206)	1:110:A:THR:HG23	1:158:A:LYS:HB3	20	0.1
(1,1172)	1:138:A:ASN:HA	1:139:A:ALA:H	13	0.1
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	11	0.1
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	11	0.1
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD2	15	0.1
(1,1117)	1:198:A:LYS:H	1:198:A:LYS:HD3	15	0.1
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	1	0.1
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	1	0.1
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	1	0.1
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG11	7	0.1
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG12	7	0.1
(1,1108)	1:197:A:VAL:H	1:197:A:VAL:HG13	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG2	15	0.1
(1,1080)	1:191:A:ARG:H	1:191:A:ARG:HG3	15	0.1
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG21	7	0.1
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG22	7	0.1
(1,1059)	1:185:A:TRP:H	1:187:A:ILE:HG23	7	0.1
(1,1024)	1:182:A:THR:HB	1:185:A:TRP:H	8	0.1
(1,1024)	1:182:A:THR:HB	1:185:A:TRP:H	17	0.1
(1,1000)	1:179:A:ASP:H	1:180:A:ASP:HB2	17	0.1
(1,1000)	1:179:A:ASP:H	1:180:A:ASP:HB3	17	0.1
(1,994)	1:178:A:LEU:H	1:178:A:LEU:HG	16	0.1
(1,982)	1:173:A:ASN:HA	1:177:A:THR:H	16	0.1
(1,967)	1:176:A:SER:H	1:178:A:LEU:HB2	5	0.1
(1,967)	1:176:A:SER:H	1:178:A:LEU:HB3	5	0.1
(1,956)	1:175:A:GLN:HB3	1:178:A:LEU:H	10	0.1
(1,942)	1:175:A:GLN:H	1:178:A:LEU:H	3	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	4	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	4	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	12	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	12	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	16	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	16	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB2	18	0.1
(1,940)	1:175:A:GLN:H	1:176:A:SER:HB3	18	0.1
(1,869)	1:169:A:GLU:HG2	1:173:A:ASN:H	11	0.1
(1,869)	1:169:A:GLU:HG3	1:173:A:ASN:H	11	0.1
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD11	4	0.1
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD12	4	0.1
(1,862)	1:169:A:GLU:H	1:194:A:ILE:HD13	4	0.1
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB2	11	0.1
(1,860)	1:169:A:GLU:H	1:172:A:HIS:HB3	11	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD11	2	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD12	2	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD13	2	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD11	11	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD12	11	0.1
(1,846)	1:168:A:GLU:H	1:194:A:ILE:HD13	11	0.1
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD11	19	0.1
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD12	19	0.1
(1,829)	1:167:A:ARG:H	1:194:A:ILE:HD13	19	0.1
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD2	17	0.1
(1,822)	1:167:A:ARG:H	1:167:A:ARG:HD3	17	0.1
(1,778)	1:162:A:GLN:HG2	1:164:A:LEU:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:162:A:GLN:HG3	1:164:A:LEU:H	4	0.1
(1,769)	1:158:A:LYS:HB2	1:162:A:GLN:H	14	0.1
(1,769)	1:158:A:LYS:HB3	1:162:A:GLN:H	14	0.1
(1,720)	1:158:A:LYS:HE2	1:169:A:GLU:H	18	0.1
(1,720)	1:158:A:LYS:HE3	1:169:A:GLU:H	18	0.1
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG21	17	0.1
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG22	17	0.1
(1,617)	1:175:A:GLN:H	1:177:A:THR:HG23	17	0.1
(1,569)	1:147:A:ALA:HB1	1:149:A:THR:H	6	0.1
(1,569)	1:147:A:ALA:HB2	1:149:A:THR:H	6	0.1
(1,569)	1:147:A:ALA:HB3	1:149:A:THR:H	6	0.1
(1,429)	1:175:A:GLN:H	1:177:A:THR:H	9	0.1
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG21	12	0.1
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG22	12	0.1
(1,359)	1:128:A:ASN:H	1:130:A:THR:HG23	12	0.1
(1,346)	1:127:A:GLN:HE22	1:187:A:ILE:H	10	0.1
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	13	0.1
(1,297)	1:99:A:ILE:HB	1:125:A:ARG:H	19	0.1
(1,214)	1:117:A:SER:H	1:197:A:VAL:HA	19	0.1
(1,198)	1:114:A:VAL:H	1:160:A:LEU:HB2	7	0.1
(1,183)	1:111:A:LYS:HE2	1:159:A:ASN:H	3	0.1
(1,183)	1:111:A:LYS:HE3	1:159:A:ASN:H	3	0.1
(1,155)	1:108:A:ILE:HB	1:110:A:THR:H	20	0.1
(1,105)	1:188:A:LYS:H	1:189:A:VAL:HA	4	0.1
(1,21)	1:96:A:MET:HA	1:126:A:VAL:H	5	0.1
(1,9)	1:94:A:VAL:HG11	1:96:A:MET:H	8	0.1
(1,9)	1:94:A:VAL:HG12	1:96:A:MET:H	8	0.1
(1,9)	1:94:A:VAL:HG13	1:96:A:MET:H	8	0.1
(1,9)	1:94:A:VAL:HG21	1:96:A:MET:H	8	0.1
(1,9)	1:94:A:VAL:HG22	1:96:A:MET:H	8	0.1
(1,9)	1:94:A:VAL:HG23	1:96:A:MET:H	8	0.1

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

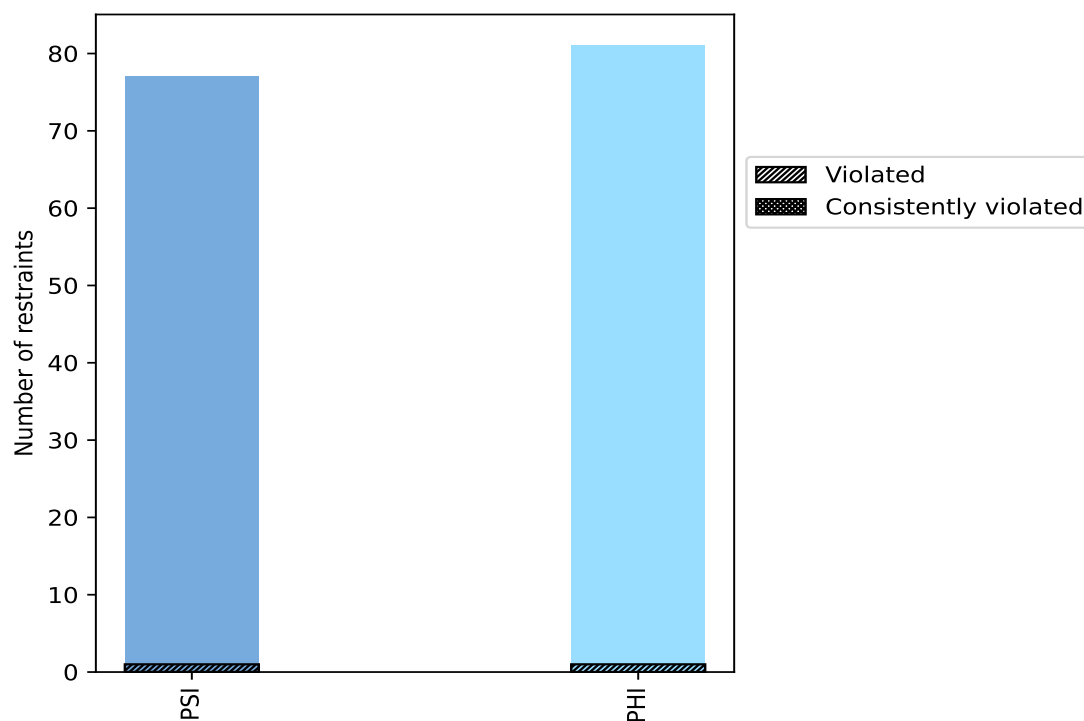
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	77	48.7	1	1.3	0.6	0	0.0	0.0
PHI	81	51.3	1	1.2	0.6	0	0.0	0.0
Total	158	100.0	2	1.3	1.3	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



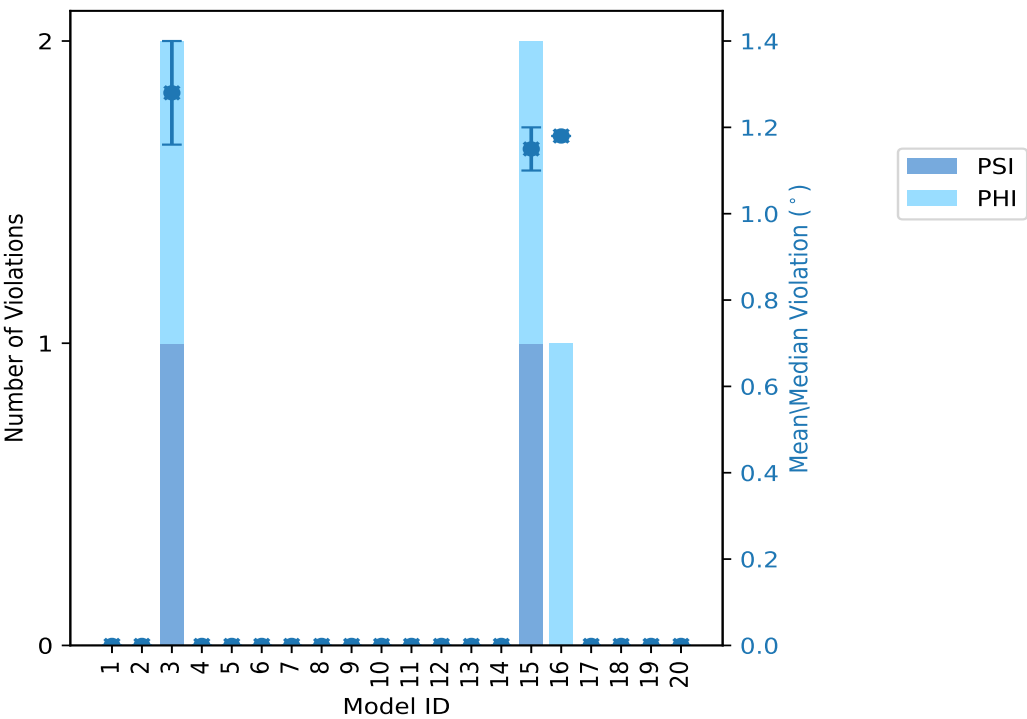
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	0	0	0	0.0	0.0	0.0	0.0
2	0	0	0	0.0	0.0	0.0	0.0
3	1	1	2	1.28	1.4	0.12	1.28
4	0	0	0	0.0	0.0	0.0	0.0
5	0	0	0	0.0	0.0	0.0	0.0
6	0	0	0	0.0	0.0	0.0	0.0
7	0	0	0	0.0	0.0	0.0	0.0
8	0	0	0	0.0	0.0	0.0	0.0
9	0	0	0	0.0	0.0	0.0	0.0
10	0	0	0	0.0	0.0	0.0	0.0
11	0	0	0	0.0	0.0	0.0	0.0
12	0	0	0	0.0	0.0	0.0	0.0
13	0	0	0	0.0	0.0	0.0	0.0
14	0	0	0	0.0	0.0	0.0	0.0
15	1	1	2	1.15	1.2	0.05	1.15
16	0	1	1	1.18	1.18	0.0	1.18
17	0	0	0	0.0	0.0	0.0	0.0
18	0	0	0	0.0	0.0	0.0	0.0
19	0	0	0	0.0	0.0	0.0	0.0
20	0	0	0	0.0	0.0	0.0	0.0

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

10.3 Dihedral-angle violation statistics for the ensemble ⓘ

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

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

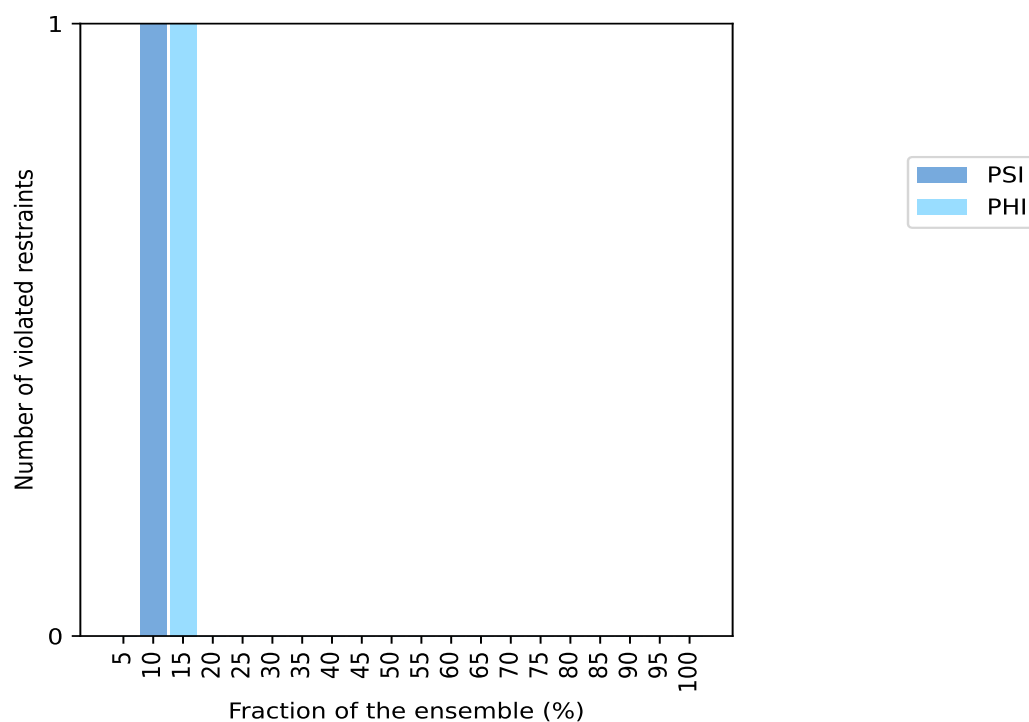
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)

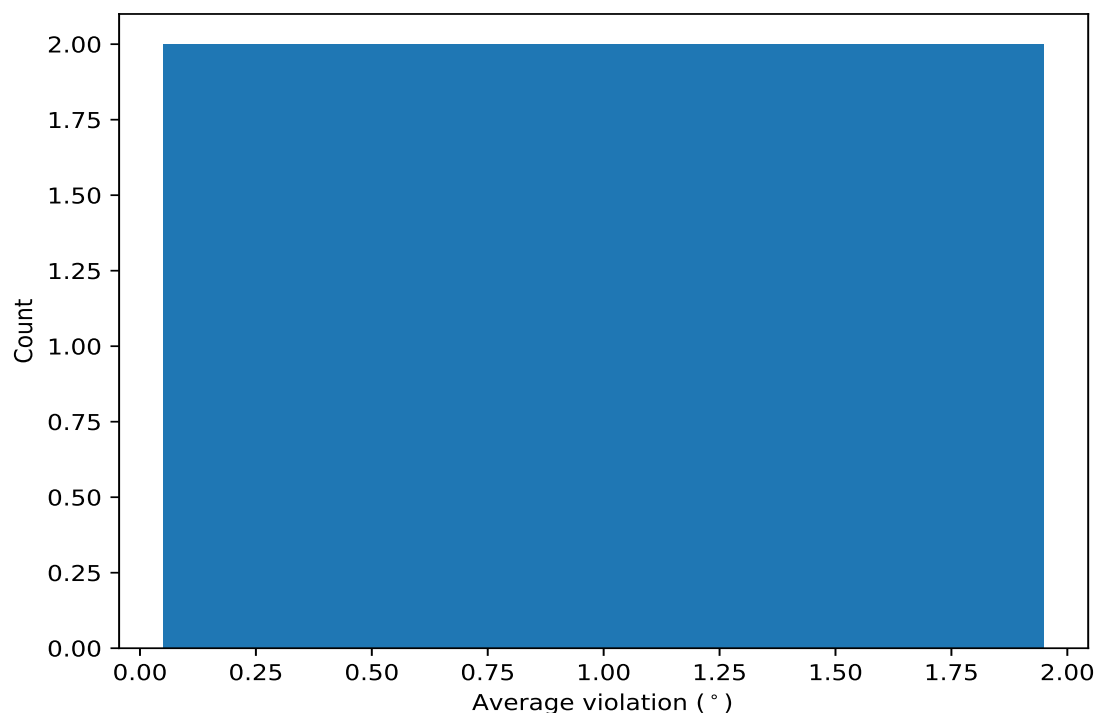


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle 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



10.4.2 Table: Most violated dihedral-angle 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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,57)	1:134:A:ALA:C	1:135:A:ASN:N	1:135:A:ASN:CA	1:135:A:ASN:C	3	1.18	0.02	1.18
(1,56)	1:134:A:ALA:N	1:134:A:ALA:CA	1:134:A:ALA:C	1:135:A:ASN:N	2	1.25	0.15	1.25

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

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

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

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

Data insufficient to plot histogram

10.5.2 Table: All violated dihedral-angle restraints [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,56)	1:134:A:ALA:N	1:134:A:ALA:CA	1:134:A:ALA:C	1:135:A:ASN:N	3	1.4
(1,57)	1:134:A:ALA:C	1:135:A:ASN:N	1:135:A:ASN:CA	1:135:A:ASN:C	15	1.2
(1,57)	1:134:A:ALA:C	1:135:A:ASN:N	1:135:A:ASN:CA	1:135:A:ASN:C	16	1.18
(1,57)	1:134:A:ALA:C	1:135:A:ASN:N	1:135:A:ASN:CA	1:135:A:ASN:C	3	1.16
(1,56)	1:134:A:ALA:N	1:134:A:ALA:CA	1:134:A:ALA:C	1:135:A:ASN:N	15	1.1