



Full wwPDB NMR Structure Validation Report ⓘ

Jun 6, 2023 – 08:00 pm BST

PDB ID : 6YP5
BMRB ID : 34513
Title : Solution NMR structure of the oligomerization domain of respiratory syncytial virus phosphoprotein
Authors : Cardone, C.; Bontems, F.; Bardiaux, B.; Sizun, C.
Deposited on : 2020-04-15

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 : 20191225.v01 (using entries in the PDB archive December 25th 2019)
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) : 2.33

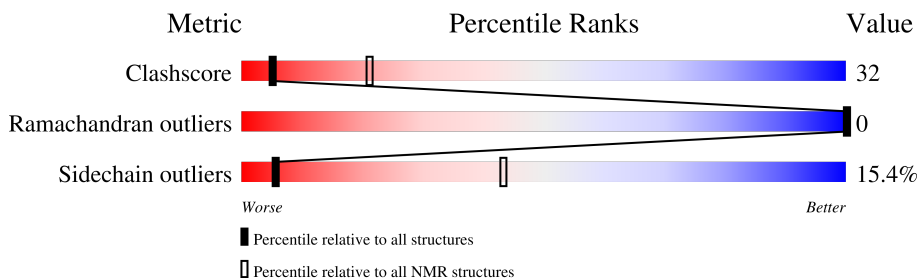
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 23%.

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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	45	20% 31% 7% 29% 13%
1	B	45	18% 33% 7% 29% 13%
1	C	45	20% 31% 7% 29% 13%
1	D	45	18% 33% 7% 29% 13%

2 Ensemble composition and analysis i

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:131-A:156, B:131-B:156, C:131-C:156, D:131-D:156 (104)	0.40	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	2, 3, 5, 7, 8, 9, 11, 12, 14, 15, 17
2	1, 4, 6, 16, 18, 19, 20
3	10, 13

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 2332 atoms, of which 1180 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Phosphoprotein.

Mol	Chain	Residues	Atoms					Trace	
1	A	39	Total	C	H	N	O	S	0
			583	174	295	53	60	1	
1	B	39	Total	C	H	N	O	S	0
			583	174	295	53	60	1	
1	C	39	Total	C	H	N	O	S	0
			583	174	295	53	60	1	
1	D	39	Total	C	H	N	O	S	0
			583	174	295	53	60	1	

There are 32 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	119	GLY	-	expression tag	UNP G8FRA5
A	120	SER	-	expression tag	UNP G8FRA5
A	121	GLY	-	expression tag	UNP G8FRA5
A	122	SER	-	expression tag	UNP G8FRA5
A	123	GLY	-	expression tag	UNP G8FRA5
A	124	SER	-	expression tag	UNP G8FRA5
A	125	GLY	-	expression tag	UNP G8FRA5
A	126	SER	-	expression tag	UNP G8FRA5
B	119	GLY	-	expression tag	UNP G8FRA5
B	120	SER	-	expression tag	UNP G8FRA5
B	121	GLY	-	expression tag	UNP G8FRA5
B	122	SER	-	expression tag	UNP G8FRA5
B	123	GLY	-	expression tag	UNP G8FRA5
B	124	SER	-	expression tag	UNP G8FRA5
B	125	GLY	-	expression tag	UNP G8FRA5
B	126	SER	-	expression tag	UNP G8FRA5
C	119	GLY	-	expression tag	UNP G8FRA5
C	120	SER	-	expression tag	UNP G8FRA5
C	121	GLY	-	expression tag	UNP G8FRA5
C	122	SER	-	expression tag	UNP G8FRA5
C	123	GLY	-	expression tag	UNP G8FRA5
C	124	SER	-	expression tag	UNP G8FRA5
C	125	GLY	-	expression tag	UNP G8FRA5
C	126	SER	-	expression tag	UNP G8FRA5
D	119	GLY	-	expression tag	UNP G8FRA5

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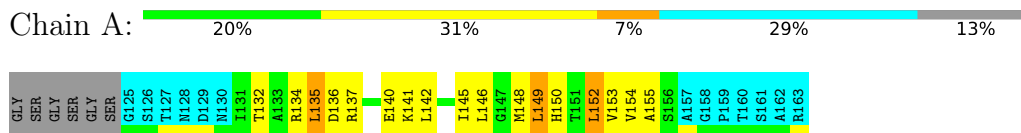
Chain	Residue	Modelled	Actual	Comment	Reference
D	120	SER	-	expression tag	UNP G8FRA5
D	121	GLY	-	expression tag	UNP G8FRA5
D	122	SER	-	expression tag	UNP G8FRA5
D	123	GLY	-	expression tag	UNP G8FRA5
D	124	SER	-	expression tag	UNP G8FRA5
D	125	GLY	-	expression tag	UNP G8FRA5
D	126	SER	-	expression tag	UNP G8FRA5

4 Residue-property plots

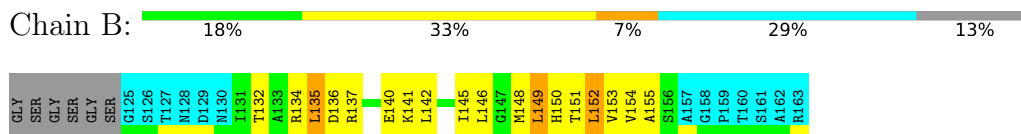
4.1 Average score per residue in the NMR ensemble

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.

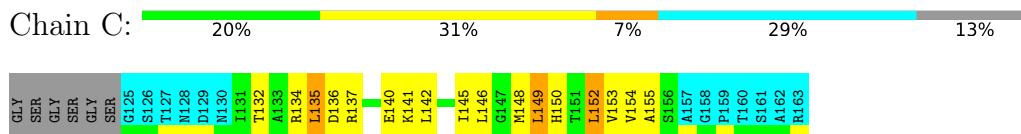
- Molecule 1: Phosphoprotein



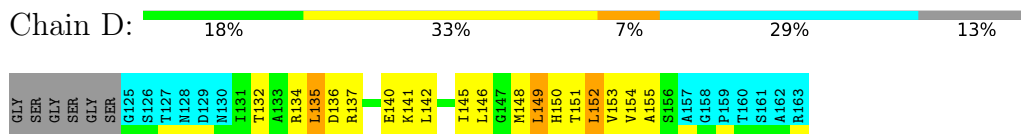
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

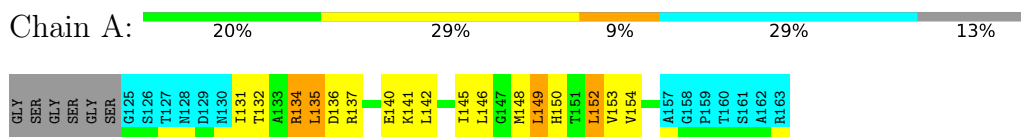


4.2 Scores per residue for each member of the ensemble

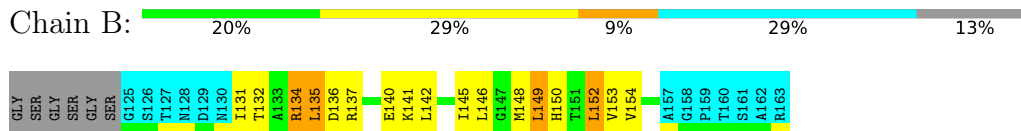
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

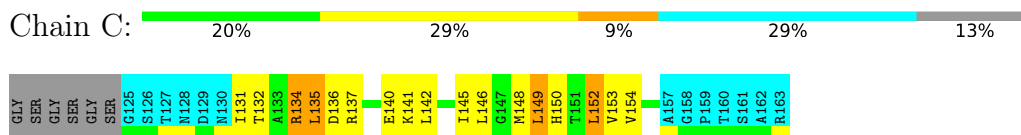
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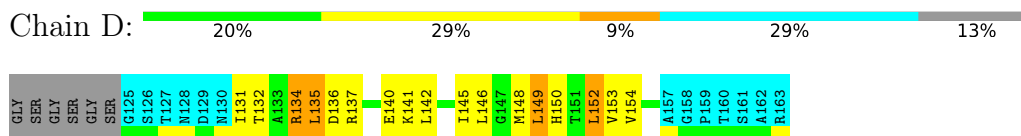
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

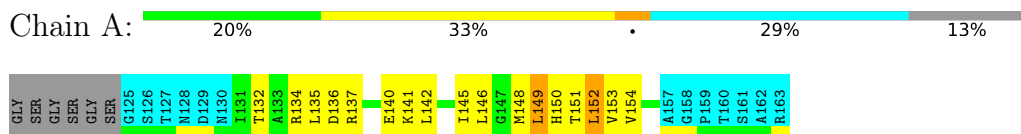


- Molecule 1: Phosphoprotein

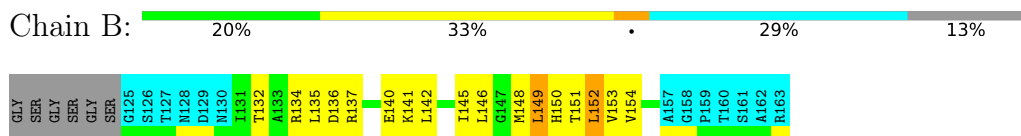


4.2.2 Score per residue for model 2

- Molecule 1: Phosphoprotein

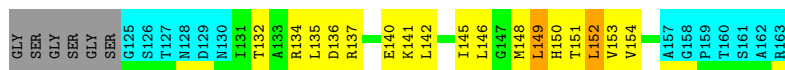


- Molecule 1: Phosphoprotein

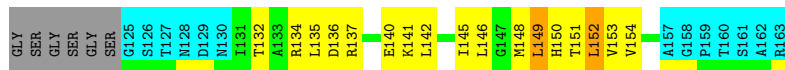
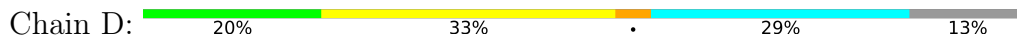


- Molecule 1: Phosphoprotein



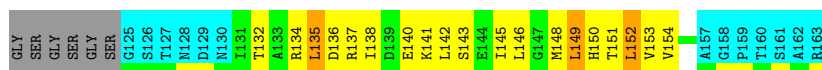


- Molecule 1: Phosphoprotein

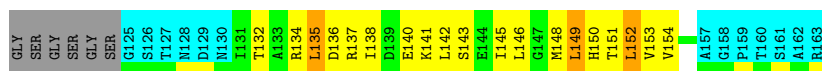


4.2.3 Score per residue for model 3

- Molecule 1: Phosphoprotein



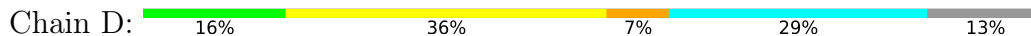
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

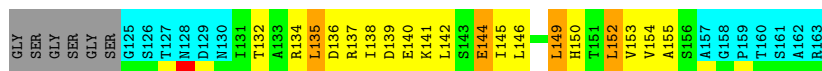


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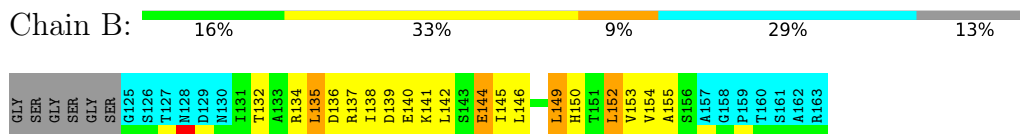


4.2.4 Score per residue for model 4

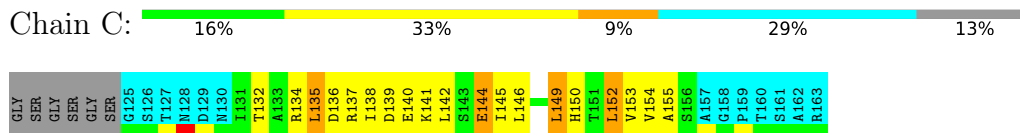
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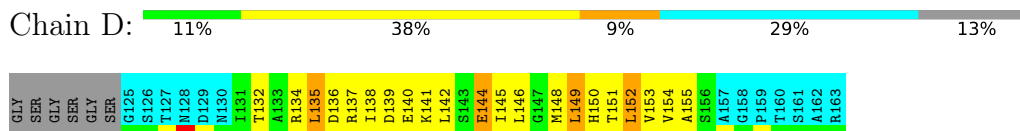
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

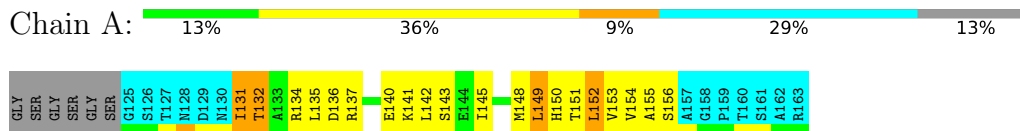


- Molecule 1: Phosphoprotein

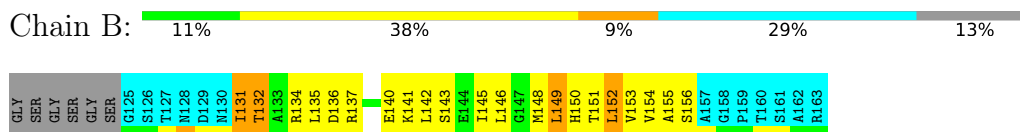


4.2.5 Score per residue for model 5

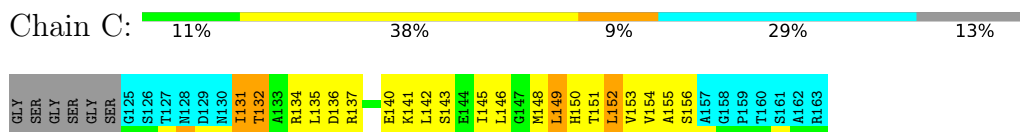
- Molecule 1: Phosphoprotein



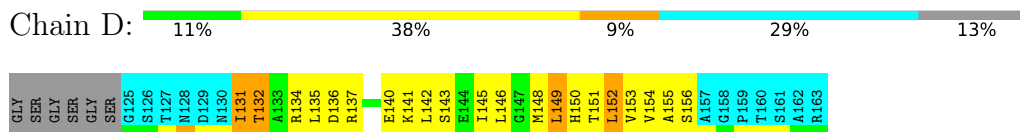
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

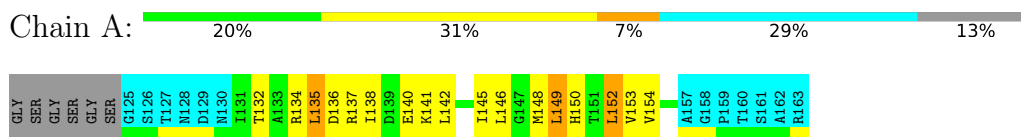


- Molecule 1: Phosphoprotein

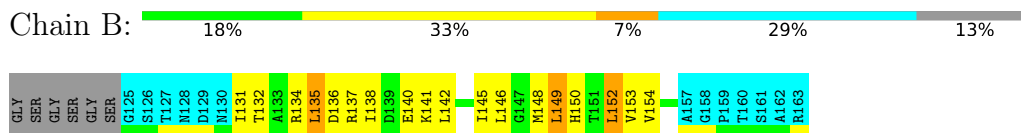


4.2.6 Score per residue for model 6

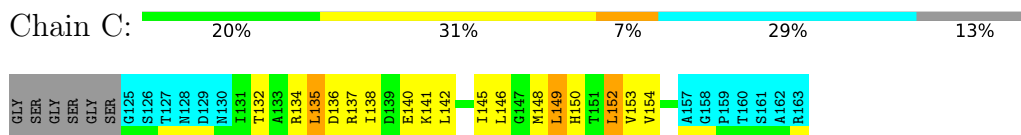
- Molecule 1: Phosphoprotein



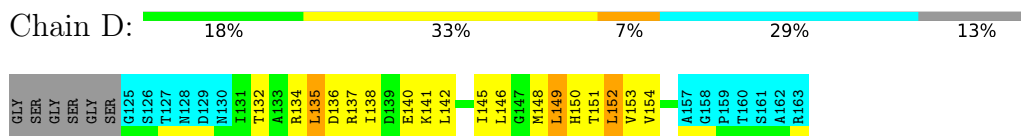
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

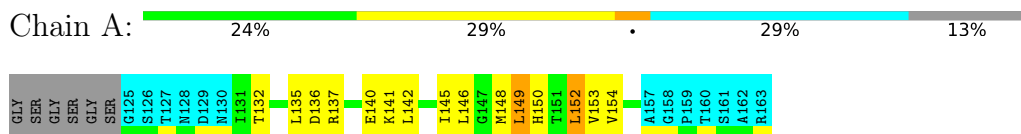


- Molecule 1: Phosphoprotein

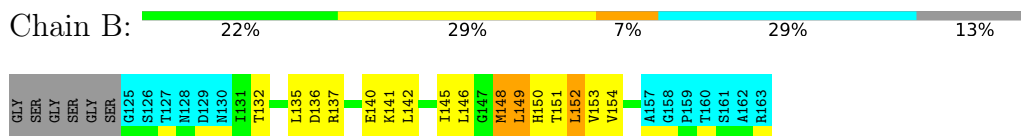


4.2.7 Score per residue for model 7

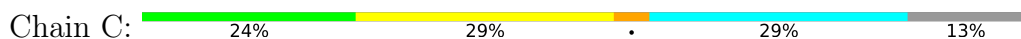
- Molecule 1: Phosphoprotein

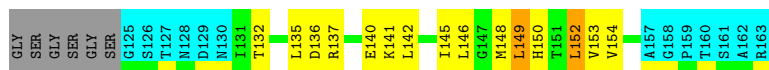


- Molecule 1: Phosphoprotein

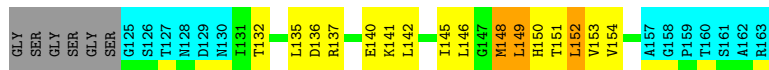
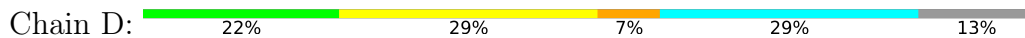


- Molecule 1: Phosphoprotein



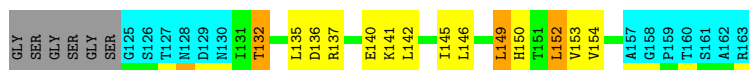
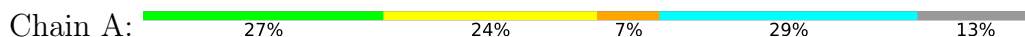


- Molecule 1: Phosphoprotein

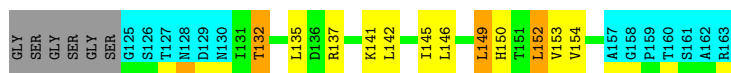
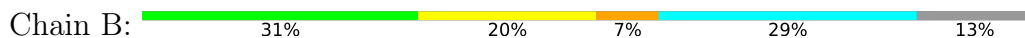


4.2.8 Score per residue for model 8

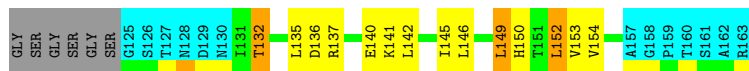
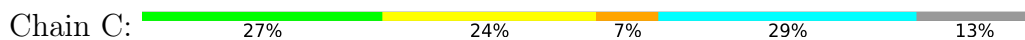
- Molecule 1: Phosphoprotein



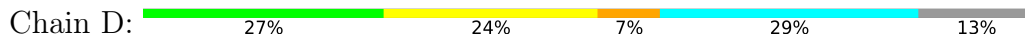
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

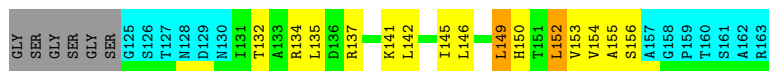
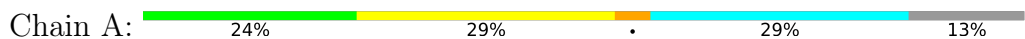


- Molecule 1: Phosphoprotein



4.2.9 Score per residue for model 9 (medoid)

- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

Chain B:



- Molecule 1: Phosphoprotein

Chain C:



- Molecule 1: Phosphoprotein

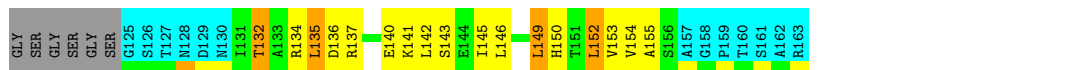
Chain D:



4.2.10 Score per residue for model 10

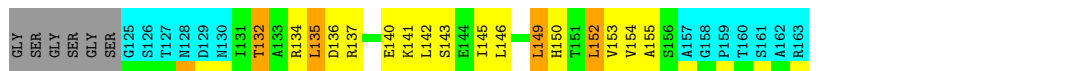
- Molecule 1: Phosphoprotein

Chain A:



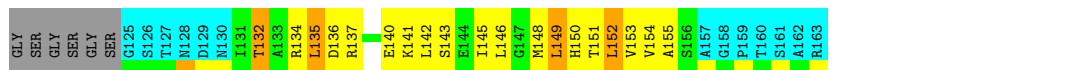
- Molecule 1: Phosphoprotein

Chain B:



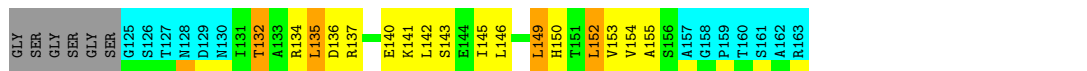
- Molecule 1: Phosphoprotein

Chain C:



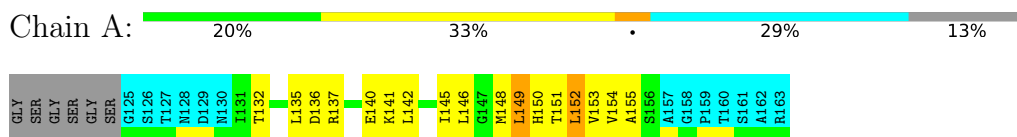
- Molecule 1: Phosphoprotein

Chain D:

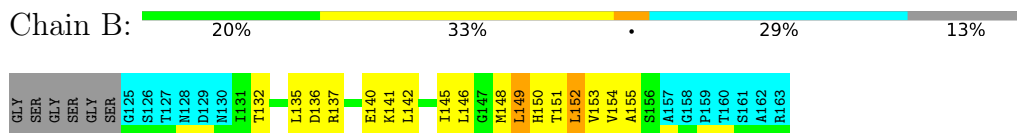


4.2.11 Score per residue for model 11

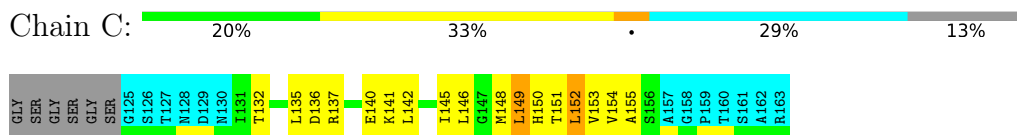
- Molecule 1: Phosphoprotein



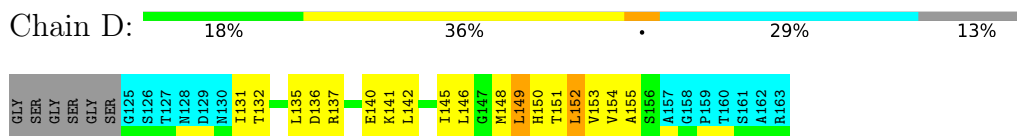
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

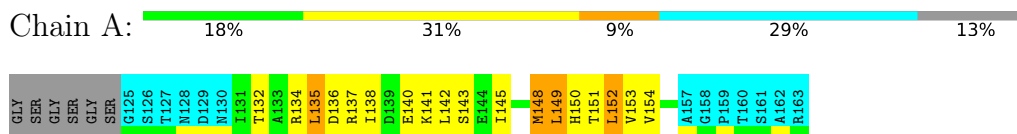


- Molecule 1: Phosphoprotein

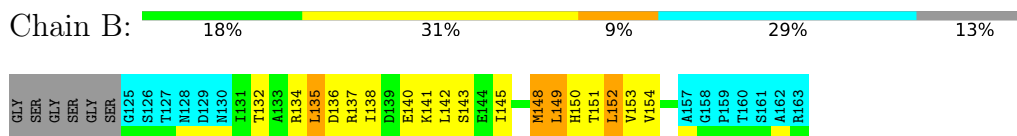


4.2.12 Score per residue for model 12

- Molecule 1: Phosphoprotein

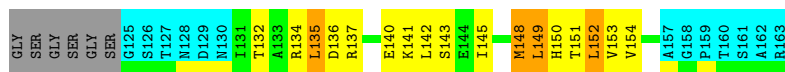


- Molecule 1: Phosphoprotein

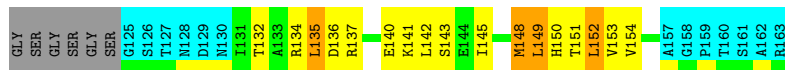
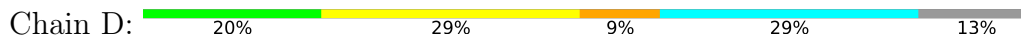


- Molecule 1: Phosphoprotein



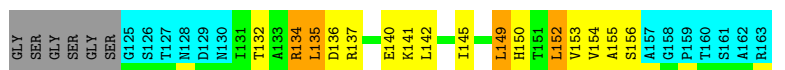


• Molecule 1: Phosphoprotein

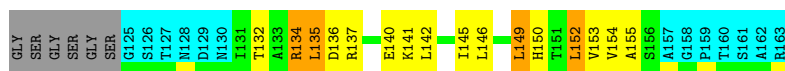


4.2.13 Score per residue for model 13

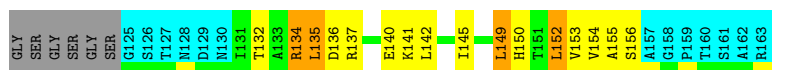
• Molecule 1: Phosphoprotein



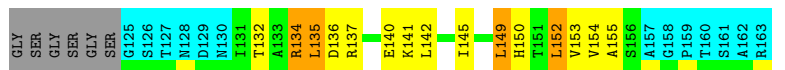
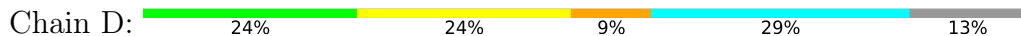
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

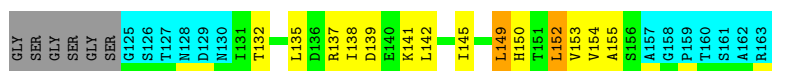
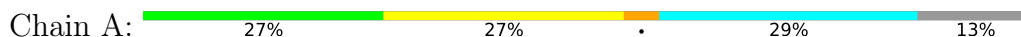


• Molecule 1: Phosphoprotein

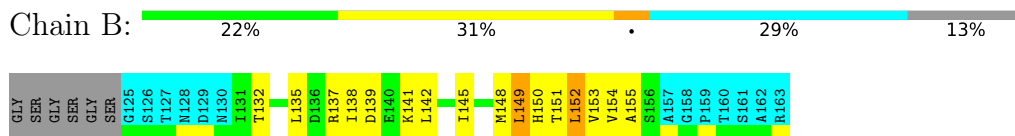


4.2.14 Score per residue for model 14

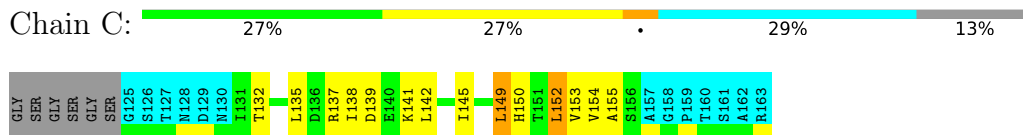
• Molecule 1: Phosphoprotein



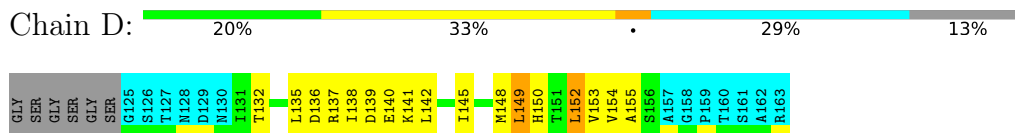
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

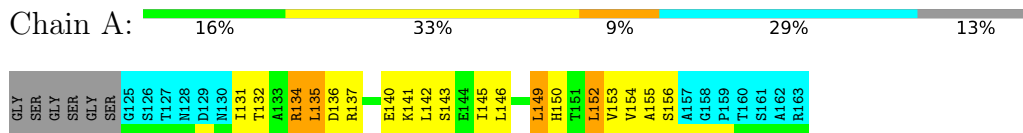


- Molecule 1: Phosphoprotein

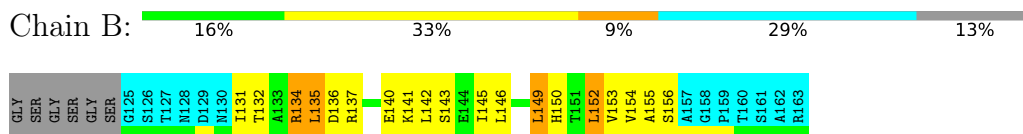


4.2.15 Score per residue for model 15

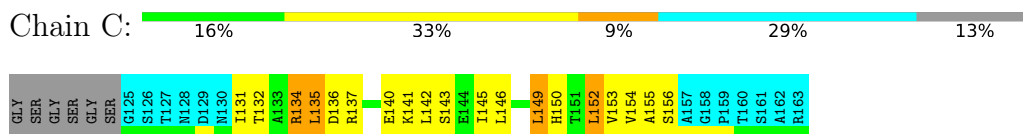
- Molecule 1: Phosphoprotein



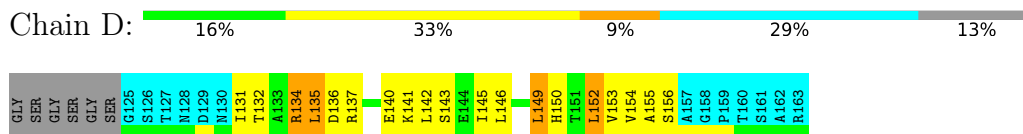
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

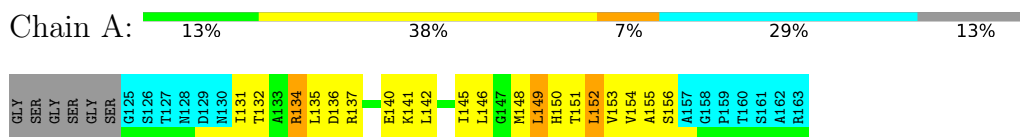


- Molecule 1: Phosphoprotein

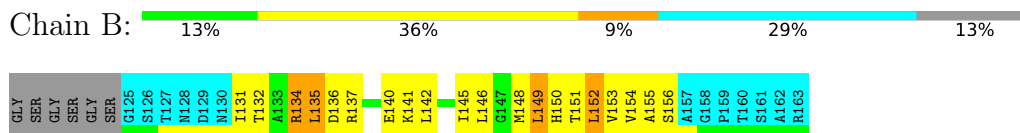


4.2.16 Score per residue for model 16

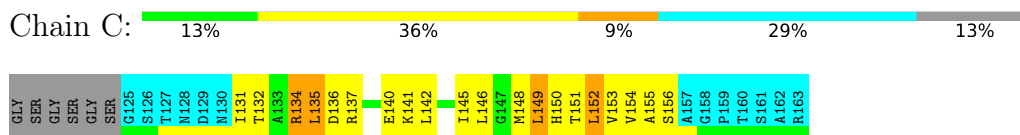
- Molecule 1: Phosphoprotein



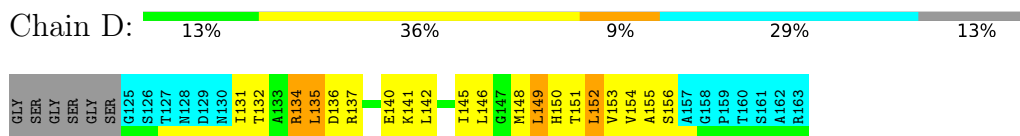
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

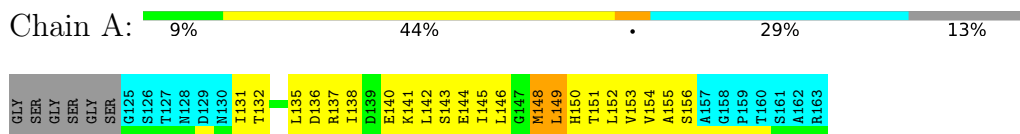


- Molecule 1: Phosphoprotein

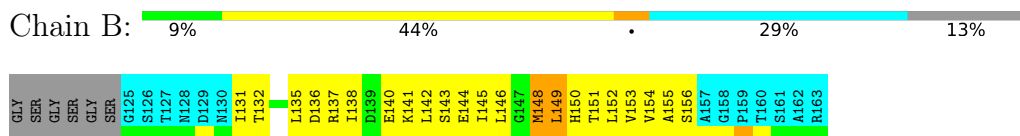


4.2.17 Score per residue for model 17

- Molecule 1: Phosphoprotein

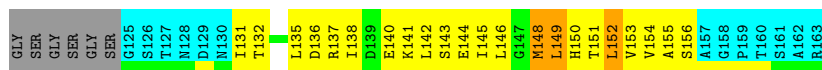


- Molecule 1: Phosphoprotein

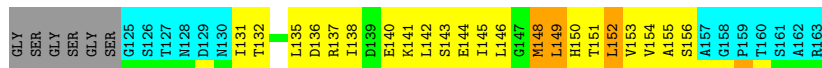
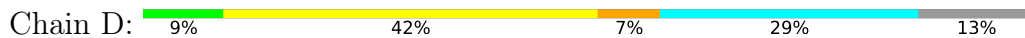


- Molecule 1: Phosphoprotein





● Molecule 1: Phosphoprotein



4.2.18 Score per residue for model 18

● Molecule 1: Phosphoprotein



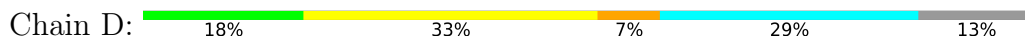
● Molecule 1: Phosphoprotein



● Molecule 1: Phosphoprotein

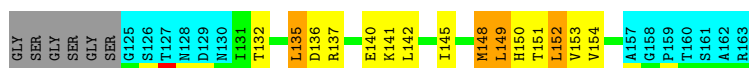


● Molecule 1: Phosphoprotein

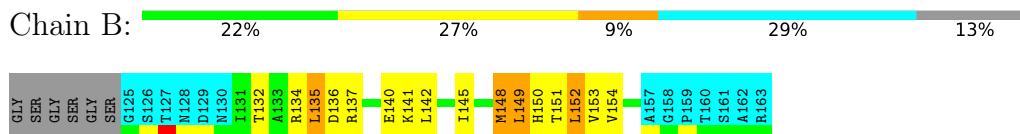


4.2.19 Score per residue for model 19

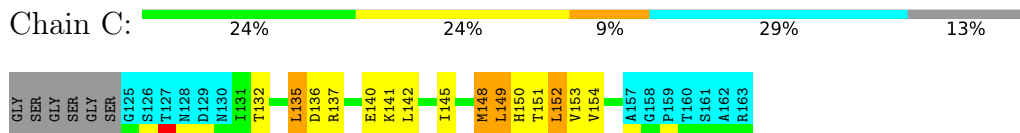
● Molecule 1: Phosphoprotein



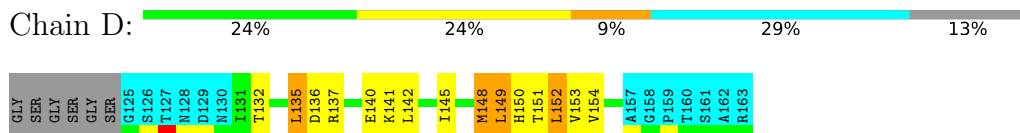
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

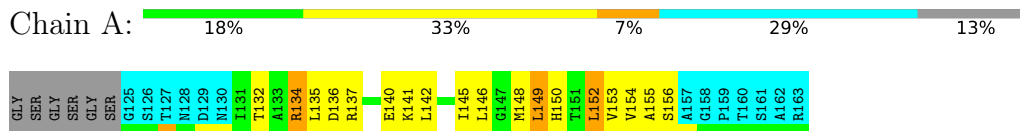


- Molecule 1: Phosphoprotein

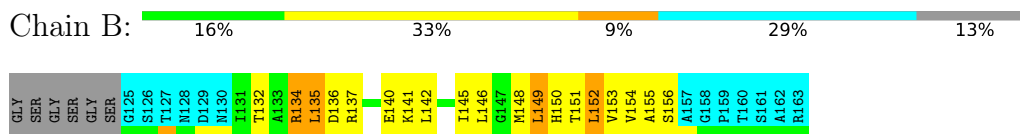


4.2.20 Score per residue for model 20

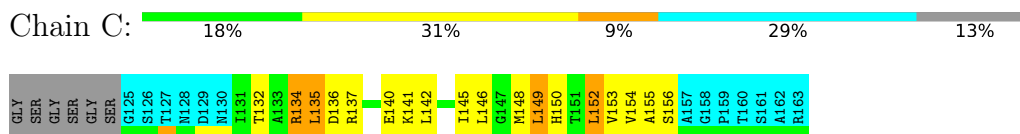
- Molecule 1: Phosphoprotein



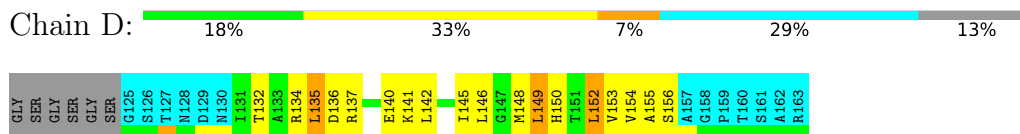
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein



5 Refinement protocol and experimental data overview

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

Of the 20 calculated structures, 20 were deposited, based on the following criterion: *all calculated structures submitted*.

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

Software name	Classification	Version
ARIA	refinement	2.3
ARIA	structure calculation	2.3

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	482
Number of shifts mapped to atoms	458
Number of unparsed shifts	0
Number of shifts with mapping errors	24
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	23%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	201	219	218	16±5
1	B	201	219	218	16±5
1	C	201	219	218	16±5
1	D	201	219	218	16±5
All	All	16080	17520	17440	1079

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 32.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:142:LEU:HA	1:A:145:ILE:HD12	0.88	1.45	3	20
1:C:142:LEU:HA	1:C:145:ILE:HD12	0.87	1.45	3	20
1:D:142:LEU:HA	1:D:145:ILE:HD12	0.87	1.45	3	20
1:B:142:LEU:HA	1:B:145:ILE:HD12	0.86	1.45	3	20
1:A:135:LEU:HD12	1:A:136:ASP:N	0.67	2.04	5	2
1:B:135:LEU:HD12	1:B:136:ASP:N	0.67	2.05	5	2
1:D:135:LEU:HD12	1:D:136:ASP:N	0.67	2.05	5	2
1:C:135:LEU:HD12	1:C:136:ASP:N	0.67	2.05	5	2
1:C:134:ARG:HB2	1:D:135:LEU:HD11	0.66	1.67	13	4
1:A:135:LEU:HD11	1:D:134:ARG:HB2	0.66	1.68	13	3
1:A:153:VAL:HA	1:D:152:LEU:HD11	0.65	1.68	7	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:137:ARG:O	1:D:141:LYS:HG2	0.65	1.92	10	19
1:A:149:LEU:O	1:A:153:VAL:HG23	0.65	1.92	7	20
1:B:137:ARG:O	1:B:141:LYS:HG2	0.65	1.92	10	19
1:A:134:ARG:HB2	1:B:135:LEU:HD11	0.65	1.67	13	4
1:B:134:ARG:HB2	1:C:135:LEU:HD11	0.65	1.68	13	3
1:B:149:LEU:O	1:B:153:VAL:HG23	0.64	1.92	7	20
1:C:149:LEU:O	1:C:153:VAL:HG23	0.64	1.92	7	20
1:B:152:LEU:HD11	1:C:153:VAL:HA	0.64	1.68	7	19
1:A:137:ARG:O	1:A:141:LYS:HG2	0.64	1.92	10	19
1:A:152:LEU:HD11	1:B:153:VAL:HA	0.64	1.67	7	19
1:B:136:ASP:O	1:B:140:GLU:HG3	0.64	1.92	5	1
1:D:149:LEU:O	1:D:153:VAL:HG23	0.64	1.92	7	20
1:C:136:ASP:O	1:C:140:GLU:HG3	0.64	1.93	5	1
1:D:136:ASP:O	1:D:140:GLU:HG3	0.64	1.93	5	1
1:C:137:ARG:O	1:C:141:LYS:HG2	0.63	1.93	19	19
1:C:152:LEU:HD11	1:D:153:VAL:HA	0.63	1.68	7	20
1:A:136:ASP:O	1:A:140:GLU:HG3	0.63	1.93	5	1
1:C:150:HIS:O	1:C:154:VAL:HG23	0.63	1.94	12	20
1:D:150:HIS:O	1:D:154:VAL:HG23	0.63	1.94	18	20
1:B:150:HIS:O	1:B:154:VAL:HG23	0.63	1.94	13	20
1:A:150:HIS:O	1:A:154:VAL:HG23	0.63	1.94	12	20
1:B:139:ASP:HA	1:B:142:LEU:CD1	0.60	2.27	4	2
1:C:139:ASP:HA	1:C:142:LEU:CD1	0.59	2.27	4	2
1:D:139:ASP:HA	1:D:142:LEU:CD1	0.59	2.27	4	2
1:A:138:ILE:O	1:A:142:LEU:HG	0.59	1.97	4	5
1:C:138:ILE:O	1:C:142:LEU:HG	0.58	1.97	4	5
1:A:139:ASP:HA	1:A:142:LEU:CD1	0.58	2.27	4	2
1:B:138:ILE:O	1:B:142:LEU:HG	0.58	1.99	14	5
1:D:138:ILE:O	1:D:142:LEU:HG	0.58	1.97	4	5
1:B:155:ALA:HB1	1:C:156:SER:O	0.56	2.01	16	6
1:A:134:ARG:CB	1:B:135:LEU:HD11	0.55	2.31	3	3
1:B:134:ARG:CB	1:C:135:LEU:HD11	0.55	2.31	12	3
1:C:134:ARG:CB	1:D:135:LEU:HD11	0.55	2.32	3	3
1:A:135:LEU:HD11	1:D:134:ARG:CB	0.55	2.31	3	3
1:A:156:SER:O	1:D:155:ALA:HB1	0.55	2.02	16	7
1:B:142:LEU:HD12	1:B:143:SER:N	0.55	2.17	17	6
1:A:142:LEU:HD12	1:A:143:SER:N	0.55	2.17	17	6
1:C:142:LEU:HD12	1:C:143:SER:N	0.55	2.17	17	6
1:D:139:ASP:HA	1:D:142:LEU:CG	0.55	2.32	14	3
1:D:142:LEU:HD12	1:D:143:SER:N	0.54	2.17	17	6
1:C:139:ASP:HA	1:C:142:LEU:CG	0.54	2.32	14	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:155:ALA:HB1	1:D:156:SER:O	0.54	2.02	16	7
1:B:139:ASP:HA	1:B:142:LEU:CG	0.54	2.32	4	3
1:A:139:ASP:HA	1:A:142:LEU:CG	0.54	2.32	14	3
1:C:139:ASP:HA	1:C:142:LEU:HD12	0.54	1.79	4	1
1:B:139:ASP:HA	1:B:142:LEU:HD12	0.54	1.79	4	1
1:A:139:ASP:HA	1:A:142:LEU:HD12	0.54	1.79	4	1
1:A:155:ALA:HB1	1:B:156:SER:O	0.54	2.03	18	7
1:B:135:LEU:HD12	1:B:135:LEU:C	0.53	2.24	17	3
1:D:139:ASP:HA	1:D:142:LEU:HD12	0.53	1.79	4	1
1:C:135:LEU:HD12	1:C:135:LEU:C	0.53	2.24	17	4
1:D:135:LEU:HD12	1:D:135:LEU:C	0.53	2.23	17	9
1:A:135:LEU:HD12	1:A:135:LEU:C	0.53	2.24	17	5
1:B:145:ILE:O	1:B:149:LEU:HG	0.53	2.04	12	19
1:A:145:ILE:O	1:A:149:LEU:HG	0.53	2.04	12	19
1:C:145:ILE:O	1:C:149:LEU:HG	0.53	2.03	12	19
1:A:139:ASP:HA	1:A:142:LEU:HG	0.53	1.81	14	3
1:D:145:ILE:O	1:D:149:LEU:HG	0.52	2.04	12	19
1:B:142:LEU:CA	1:B:145:ILE:HD12	0.52	2.30	3	4
1:C:139:ASP:HA	1:C:142:LEU:HG	0.52	1.81	14	3
1:C:146:LEU:HA	1:C:149:LEU:HD12	0.52	1.82	17	15
1:A:146:LEU:HA	1:A:149:LEU:HD12	0.52	1.82	17	14
1:D:136:ASP:O	1:D:140:GLU:HG2	0.52	2.05	2	16
1:D:146:LEU:HA	1:D:149:LEU:HD12	0.52	1.82	17	15
1:D:142:LEU:CA	1:D:145:ILE:HD12	0.52	2.30	3	2
1:B:146:LEU:HA	1:B:149:LEU:HD12	0.52	1.82	17	15
1:D:139:ASP:HA	1:D:142:LEU:HG	0.52	1.81	14	3
1:C:136:ASP:O	1:C:140:GLU:HG2	0.52	2.05	2	16
1:A:142:LEU:CA	1:A:145:ILE:HD12	0.51	2.30	3	3
1:B:139:ASP:HA	1:B:142:LEU:HG	0.51	1.81	14	3
1:A:136:ASP:O	1:A:140:GLU:HG2	0.51	2.05	2	16
1:A:135:LEU:HD11	1:D:134:ARG:HG3	0.51	1.83	1	1
1:C:152:LEU:HD11	1:D:153:VAL:CA	0.51	2.35	7	2
1:A:152:LEU:HD11	1:B:153:VAL:CA	0.50	2.35	7	1
1:A:153:VAL:CA	1:D:152:LEU:HD11	0.50	2.35	7	1
1:C:142:LEU:CA	1:C:145:ILE:HD12	0.50	2.30	3	2
1:D:135:LEU:HA	1:D:138:ILE:HD12	0.50	1.83	4	4
1:B:136:ASP:O	1:B:140:GLU:HG2	0.50	2.07	2	15
1:C:135:LEU:HA	1:C:138:ILE:HD12	0.50	1.83	4	4
1:A:135:LEU:HA	1:A:138:ILE:HD12	0.50	1.83	4	5
1:B:135:LEU:HA	1:B:138:ILE:HD12	0.50	1.83	4	5
1:C:138:ILE:HA	1:D:142:LEU:CD1	0.50	2.37	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:138:ILE:HA	1:B:142:LEU:CD1	0.50	2.37	4	1
1:A:141:LYS:HD2	1:B:146:LEU:HD11	0.50	1.84	4	3
1:C:141:LYS:HD2	1:D:146:LEU:HD11	0.49	1.84	4	2
1:B:148:MET:HE2	1:C:149:LEU:HB2	0.49	1.83	17	1
1:A:134:ARG:HG3	1:B:135:LEU:HD11	0.49	1.85	1	1
1:B:152:LEU:HD11	1:C:153:VAL:CA	0.49	2.35	7	2
1:C:141:LYS:HG3	1:D:142:LEU:HD13	0.49	1.84	15	3
1:B:134:ARG:HG3	1:C:135:LEU:HD11	0.49	1.85	1	1
1:B:141:LYS:HD2	1:C:146:LEU:HD11	0.49	1.85	4	3
1:A:146:LEU:HD11	1:D:141:LYS:HD2	0.49	1.85	4	2
1:D:132:THR:HA	1:D:135:LEU:HG	0.49	1.84	17	2
1:A:134:ARG:HB3	1:B:135:LEU:HD11	0.49	1.83	6	3
1:C:134:ARG:HB3	1:D:135:LEU:HD11	0.49	1.85	15	4
1:B:132:THR:HA	1:B:135:LEU:HG	0.49	1.84	17	2
1:C:132:THR:HA	1:C:135:LEU:HG	0.49	1.84	17	2
1:C:134:ARG:HG3	1:D:135:LEU:HD11	0.49	1.85	1	1
1:B:131:ILE:HG22	1:B:135:LEU:HD23	0.48	1.85	17	2
1:C:131:ILE:HG22	1:C:135:LEU:HD23	0.48	1.85	17	2
1:B:135:LEU:C	1:B:135:LEU:HD12	0.48	2.28	1	6
1:A:131:ILE:HG22	1:A:135:LEU:HD23	0.48	1.85	17	2
1:A:132:THR:O	1:A:136:ASP:HB2	0.48	2.08	5	3
1:C:135:LEU:C	1:C:135:LEU:HD12	0.48	2.28	1	5
1:A:148:MET:HE2	1:B:149:LEU:HB2	0.48	1.86	17	1
1:A:153:VAL:HG21	1:D:148:MET:HG2	0.48	1.84	17	3
1:C:148:MET:HG2	1:D:153:VAL:HG21	0.48	1.84	17	3
1:B:148:MET:O	1:B:152:LEU:HD22	0.48	2.09	3	8
1:D:148:MET:O	1:D:152:LEU:HD22	0.48	2.09	3	8
1:C:137:ARG:O	1:C:141:LYS:HG3	0.48	2.09	3	1
1:A:149:LEU:HB2	1:D:148:MET:HE2	0.48	1.84	17	1
1:D:135:LEU:O	1:D:135:LEU:HD12	0.48	2.09	10	4
1:B:148:MET:O	1:B:151:THR:HB	0.48	2.09	3	12
1:A:135:LEU:HD12	1:A:135:LEU:O	0.48	2.09	10	4
1:B:135:LEU:HD12	1:B:135:LEU:O	0.48	2.09	10	7
1:B:137:ARG:O	1:B:141:LYS:HG3	0.48	2.09	3	1
1:D:132:THR:O	1:D:136:ASP:HB2	0.48	2.09	5	2
1:D:148:MET:O	1:D:151:THR:HB	0.48	2.09	3	13
1:A:142:LEU:CD1	1:D:138:ILE:HA	0.48	2.38	4	1
1:D:131:ILE:HG22	1:D:135:LEU:HD23	0.48	1.85	17	2
1:A:141:LYS:O	1:A:144:GLU:HB3	0.48	2.09	17	1
1:A:148:MET:HG2	1:B:153:VAL:HG21	0.47	1.85	17	3
1:D:137:ARG:O	1:D:141:LYS:HG3	0.47	2.09	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:137:ARG:O	1:A:141:LYS:HG3	0.47	2.09	3	1
1:B:132:THR:O	1:B:136:ASP:HB2	0.47	2.09	5	2
1:D:132:THR:HA	1:D:135:LEU:HB2	0.47	1.86	9	6
1:B:138:ILE:HA	1:C:142:LEU:CD1	0.47	2.38	4	1
1:A:132:THR:HA	1:A:135:LEU:HG	0.47	1.85	17	2
1:B:132:THR:HA	1:B:135:LEU:HB2	0.47	1.87	9	6
1:A:141:LYS:HG3	1:B:142:LEU:HD13	0.47	1.86	15	3
1:C:135:LEU:HD12	1:C:135:LEU:O	0.47	2.10	10	6
1:C:132:THR:HA	1:C:135:LEU:HB2	0.47	1.87	9	6
1:B:141:LYS:O	1:B:144:GLU:HB3	0.47	2.10	17	1
1:C:141:LYS:O	1:C:144:GLU:HB3	0.47	2.10	17	1
1:C:148:MET:HE2	1:D:149:LEU:HB2	0.47	1.87	17	1
1:A:148:MET:O	1:A:151:THR:HB	0.47	2.09	12	9
1:C:148:MET:O	1:C:151:THR:HB	0.47	2.10	12	10
1:D:141:LYS:O	1:D:144:GLU:HB3	0.47	2.10	17	1
1:C:132:THR:O	1:C:136:ASP:HB2	0.47	2.10	5	3
1:C:131:ILE:HD12	1:C:131:ILE:N	0.47	2.24	16	3
1:D:131:ILE:N	1:D:131:ILE:HD12	0.46	2.24	16	3
1:A:148:MET:O	1:A:152:LEU:HD22	0.46	2.09	3	7
1:B:131:ILE:HD12	1:B:131:ILE:N	0.46	2.24	16	3
1:C:148:MET:O	1:C:152:LEU:HD22	0.46	2.09	3	7
1:B:148:MET:HG2	1:C:153:VAL:HG21	0.46	1.86	17	3
1:A:131:ILE:HD12	1:A:131:ILE:N	0.46	2.24	16	3
1:A:132:THR:HA	1:A:135:LEU:HB2	0.46	1.87	9	6
1:C:152:LEU:HD11	1:D:153:VAL:N	0.46	2.26	3	3
1:A:135:LEU:HD11	1:D:134:ARG:HB3	0.46	1.87	6	2
1:B:141:LYS:HG3	1:C:142:LEU:HD13	0.46	1.88	17	2
1:A:152:LEU:HD11	1:B:153:VAL:N	0.45	2.26	3	1
1:B:134:ARG:HB3	1:C:135:LEU:HD11	0.45	1.87	6	4
1:A:153:VAL:N	1:D:152:LEU:HD11	0.45	2.26	3	2
1:B:152:LEU:HD11	1:C:153:VAL:N	0.45	2.27	3	1
1:C:141:LYS:O	1:C:144:GLU:HB2	0.45	2.12	4	1
1:D:141:LYS:O	1:D:144:GLU:HB2	0.45	2.12	4	1
1:B:141:LYS:O	1:B:144:GLU:HB2	0.45	2.12	4	1
1:A:142:LEU:HD13	1:D:141:LYS:HG3	0.45	1.87	15	3
1:B:134:ARG:HG3	1:C:135:LEU:HD21	0.44	1.89	1	1
1:A:141:LYS:O	1:A:144:GLU:HB2	0.44	2.12	4	1
1:A:135:LEU:HD21	1:D:134:ARG:HG3	0.44	1.89	1	1
1:B:131:ILE:CD1	1:B:131:ILE:N	0.44	2.81	5	1
1:A:134:ARG:HG3	1:B:135:LEU:HD21	0.44	1.90	1	1
1:D:131:ILE:CD1	1:D:131:ILE:N	0.44	2.81	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:131:ILE:CD1	1:A:131:ILE:N	0.43	2.80	5	1
1:A:134:ARG:CB	1:B:135:LEU:HD13	0.43	2.44	5	1
1:C:134:ARG:HG3	1:D:135:LEU:HD21	0.43	1.90	1	1
1:A:144:GLU:O	1:A:148:MET:HB2	0.43	2.14	17	1
1:C:137:ARG:O	1:C:140:GLU:HB2	0.43	2.14	5	1
1:A:135:LEU:HD13	1:D:134:ARG:CB	0.43	2.44	5	1
1:A:137:ARG:O	1:A:140:GLU:HB2	0.43	2.14	5	1
1:C:144:GLU:O	1:C:148:MET:HB2	0.43	2.14	17	1
1:C:131:ILE:N	1:C:131:ILE:CD1	0.43	2.81	5	1
1:D:137:ARG:O	1:D:140:GLU:HB2	0.42	2.14	5	1
1:C:134:ARG:HB2	1:D:135:LEU:CD1	0.42	2.42	13	1
1:D:144:GLU:O	1:D:148:MET:HB2	0.42	2.14	17	1
1:B:134:ARG:CG	1:C:135:LEU:HD23	0.42	2.45	9	1
1:C:134:ARG:CB	1:D:135:LEU:HD13	0.42	2.45	5	1
1:B:144:GLU:O	1:B:148:MET:HB2	0.42	2.14	17	1
1:A:132:THR:HG22	1:D:134:ARG:HG3	0.42	1.92	4	1
1:B:137:ARG:O	1:B:140:GLU:HB2	0.42	2.15	5	1
1:C:134:ARG:CG	1:D:135:LEU:HD23	0.42	2.44	9	1
1:B:132:THR:HA	1:B:135:LEU:CG	0.42	2.44	17	1
1:B:134:ARG:CB	1:C:135:LEU:HD13	0.41	2.45	5	1
1:C:134:ARG:HB3	1:D:135:LEU:CD1	0.41	2.45	15	1
1:D:132:THR:HA	1:D:135:LEU:CG	0.41	2.45	17	1
1:A:134:ARG:CG	1:B:135:LEU:HD23	0.41	2.44	9	1
1:A:156:SER:OG	1:D:155:ALA:HB3	0.41	2.16	13	1
1:D:135:LEU:HD12	1:D:135:LEU:O	0.41	2.16	15	2
1:A:134:ARG:HB3	1:B:135:LEU:CD1	0.41	2.45	15	1
1:C:132:THR:HA	1:C:135:LEU:CG	0.41	2.45	17	1
1:B:155:ALA:HB3	1:C:156:SER:OG	0.41	2.16	13	1
1:B:134:ARG:HG3	1:C:132:THR:HG22	0.41	1.93	4	2
1:A:134:ARG:O	1:A:137:ARG:HB3	0.40	2.14	20	1
1:D:131:ILE:O	1:D:135:LEU:HD13	0.40	2.17	11	1
1:A:135:LEU:HD23	1:D:134:ARG:CG	0.40	2.47	9	1
1:A:132:THR:HA	1:A:135:LEU:CG	0.40	2.45	17	1
1:B:134:ARG:O	1:B:137:ARG:HB3	0.40	2.17	20	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	26/45 (58%)	26±0 (100±1%)	0±0 (0±1%)	0±0 (0±0%)	100	100
1	B	26/45 (58%)	26±0 (99±2%)	0±0 (1±2%)	0±0 (0±0%)	100	100
1	C	26/45 (58%)	26±0 (99±2%)	0±0 (1±2%)	0±0 (0±0%)	100	100
1	D	26/45 (58%)	26±0 (99±2%)	0±0 (1±2%)	0±0 (0±0%)	100	100
All	All	2080/3600 (58%)	2063 (99%)	17 (1%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	23/35 (66%)	19±1 (85±4%)	4±1 (15±4%)	6	43
1	B	23/35 (66%)	19±1 (85±4%)	4±1 (15±4%)	6	43
1	C	23/35 (66%)	19±1 (85±4%)	4±1 (15±4%)	6	43
1	D	23/35 (66%)	19±1 (85±4%)	4±1 (15±4%)	6	43
All	All	1840/2800 (66%)	1556 (85%)	284 (15%)	6	43

All 32 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	149	LEU	20
1	A	152	LEU	20
1	B	149	LEU	20
1	B	152	LEU	20
1	C	149	LEU	20
1	C	152	LEU	20
1	D	149	LEU	20
1	D	152	LEU	20
1	A	135	LEU	12
1	B	135	LEU	12

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Mol	Chain	Res	Type	Models (Total)
1	C	135	LEU	12
1	D	135	LEU	12
1	A	134	ARG	8
1	B	134	ARG	8
1	C	134	ARG	8
1	D	134	ARG	8
1	A	132	THR	5
1	B	132	THR	5
1	C	132	THR	5
1	D	132	THR	5
1	A	148	MET	4
1	B	148	MET	4
1	C	148	MET	4
1	D	148	MET	4
1	A	144	GLU	1
1	B	144	GLU	1
1	C	144	GLU	1
1	D	144	GLU	1
1	A	131	ILE	1
1	B	131	ILE	1
1	C	131	ILE	1
1	D	131	ILE	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation i

The completeness of assignment taking into account all chemical shift lists is 23% for the well-defined parts and 22% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

7.1.1 Bookkeeping i

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	482
Number of shifts mapped to atoms	458
Number of unparsed shifts	0
Number of shifts with mapping errors	24
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 24 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	119	GLY	CA	43.57	0.25	1
1	A	119	GLY	HA2	3.89	0.02	2
1	A	119	GLY	HA3	3.89	0.02	2
1	A	120	SER	CA	58.43	0.25	1
1	A	120	SER	CB	63.8	0.25	1
1	A	120	SER	HA	4.54	0.02	1
1	A	120	SER	HB2	3.88	0.02	2
1	A	120	SER	HB3	3.88	0.02	2
1	A	121	GLY	CA	45.16	0.25	1
1	A	121	GLY	HA2	4.04	0.02	2
1	A	121	GLY	HA3	4.05	0.02	2
1	A	122	SER	CA	58.46	0.25	1
1	A	122	SER	CB	63.7	0.25	1
1	A	122	SER	HA	4.5	0.02	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	122	SER	HB2	3.92	0.02	2
1	A	122	SER	HB3	3.92	0.02	2
1	A	123	GLY	CA	45.15	0.25	1
1	A	123	GLY	HA2	4.04	0.02	2
1	A	123	GLY	HA3	4.05	0.02	2
1	A	124	SER	CA	58.47	0.25	1
1	A	124	SER	CB	63.84	0.25	1
1	A	124	SER	HA	4.5	0.02	1
1	A	124	SER	HB2	3.93	0.02	1
1	A	124	SER	HB3	3.93	0.02	1

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	45	-0.52 ± 0.13	Should be checked
$^{13}\text{C}_\beta$	39	0.21 ± 0.08	None needed (< 0.5 ppm)
$^{13}\text{C}'$	34	-0.54 ± 0.12	Should be applied
^{15}N	36	-0.36 ± 0.20	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 23%, i.e. 343 atoms were assigned a chemical shift out of a possible 1492. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	131/524 (25%)	53/212 (25%)	52/208 (25%)	26/104 (25%)
Sidechain	210/936 (22%)	144/620 (23%)	66/288 (23%)	0/28 (0%)
Aromatic	2/32 (6%)	1/16 (6%)	1/8 (12%)	0/8 (0%)
Overall	343/1492 (23%)	198/848 (23%)	119/504 (24%)	26/140 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 22%, i.e. 458 atoms were assigned a chemical shift out of a possible 2036. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	187/784 (24%)	78/320 (24%)	73/312 (23%)	36/152 (24%)

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	Total	^1H	^{13}C	^{15}N
Sidechain	269/1220 (22%)	184/800 (23%)	83/372 (22%)	2/48 (4%)
Aromatic	2/32 (6%)	1/16 (6%)	1/8 (12%)	0/8 (0%)
Overall	458/2036 (22%)	263/1136 (23%)	157/692 (23%)	38/208 (18%)

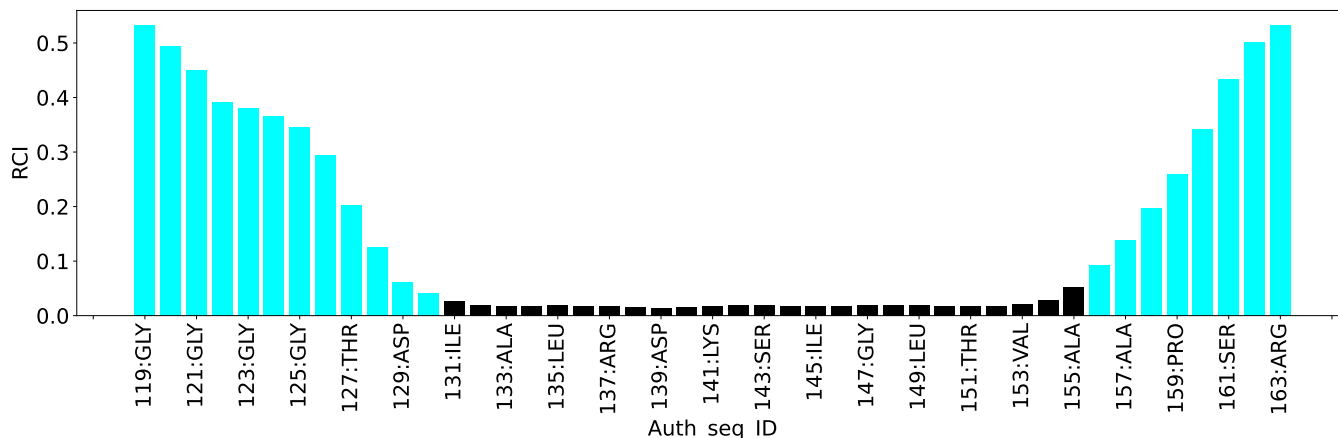
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3180
Intra-residue ($ i-j =0$)	1140
Sequential ($ i-j =1$)	532
Medium range ($ i-j >1$ and $ i-j <5$)	620
Long range ($ i-j \geq 5$)	0
Inter-chain	888
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	56
Number of unmapped restraints	0
Number of restraints per residue	18.0
Number of long range restraints per residue ¹	0.0

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)	137.6	0.2
0.2-0.5 (Medium)	84.2	0.5
>0.5 (Large)	94.7	2.8

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)	3.3	7.2
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis

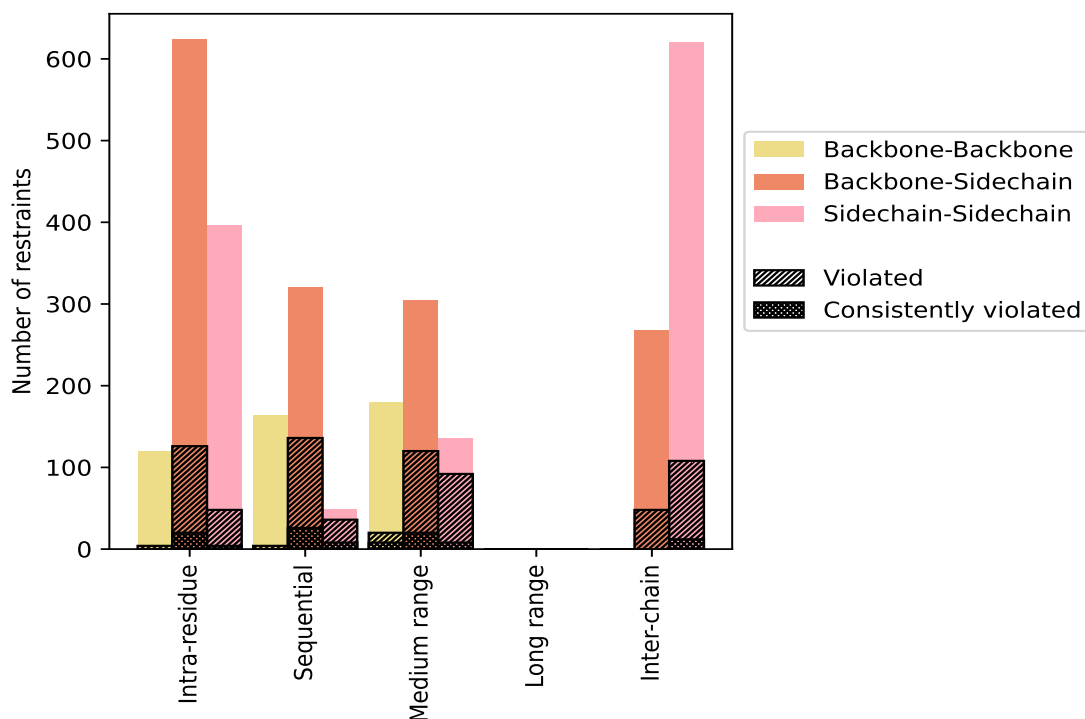
9.1 Summary of distance violations

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 ($i-j =0$)	1140	35.8	178	15.6	5.6	24	2.1	0.8
Backbone-Backbone	120	3.8	4	3.3	0.1	0	0.0	0.0
Backbone-Sidechain	624	19.6	126	20.2	4.0	20	3.2	0.6
Sidechain-Sidechain	396	12.5	48	12.1	1.5	4	1.0	0.1
Sequential ($i-j =1$)	532	16.7	176	33.1	5.5	34	6.4	1.1
Backbone-Backbone	164	5.2	4	2.4	0.1	0	0.0	0.0
Backbone-Sidechain	320	10.1	136	42.5	4.3	26	8.1	0.8
Sidechain-Sidechain	48	1.5	36	75.0	1.1	8	16.7	0.3
Medium range ($i-j >1$ & $i-j <5$)	620	19.5	232	37.4	7.3	36	5.8	1.1
Backbone-Backbone	180	5.7	20	11.1	0.6	8	4.4	0.3
Backbone-Sidechain	304	9.6	120	39.5	3.8	20	6.6	0.6
Sidechain-Sidechain	136	4.3	92	67.6	2.9	8	5.9	0.3
Long range ($i-j \geq 5$)	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
Inter-chain	888	27.9	156	17.6	4.9	12	1.4	0.4
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	268	8.4	48	17.9	1.5	0	0.0	0.0
Sidechain-Sidechain	620	19.5	108	17.4	3.4	12	1.9	0.4
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3180	100.0	742	23.3	23.3	106	3.3	3.3
Backbone-Backbone	464	14.6	28	6.0	0.9	8	1.7	0.3
Backbone-Sidechain	1516	47.7	430	28.4	13.5	66	4.4	2.1
Sidechain-Sidechain	1200	37.7	284	23.7	8.9	32	2.7	1.0

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 disulfid 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	82	88	91	0	53	314	0.4	1.61	0.39	0.2
2	84	91	112	0	43	330	0.46	1.65	0.42	0.25
3	69	96	112	0	44	321	0.37	1.61	0.36	0.2
4	110	92	89	0	54	345	0.34	1.62	0.33	0.19
5	76	84	88	0	54	302	0.43	1.73	0.39	0.22
6	76	81	84	0	51	292	0.44	1.58	0.39	0.23
7	68	92	112	0	64	336	0.5	1.69	0.44	0.27
8	76	79	104	0	91	350	0.47	1.8	0.42	0.28
9	56	84	85	0	46	271	0.48	1.66	0.41	0.27
10	88	72	107	0	54	321	0.39	1.63	0.38	0.19
11	65	80	96	0	52	293	0.45	1.65	0.41	0.25

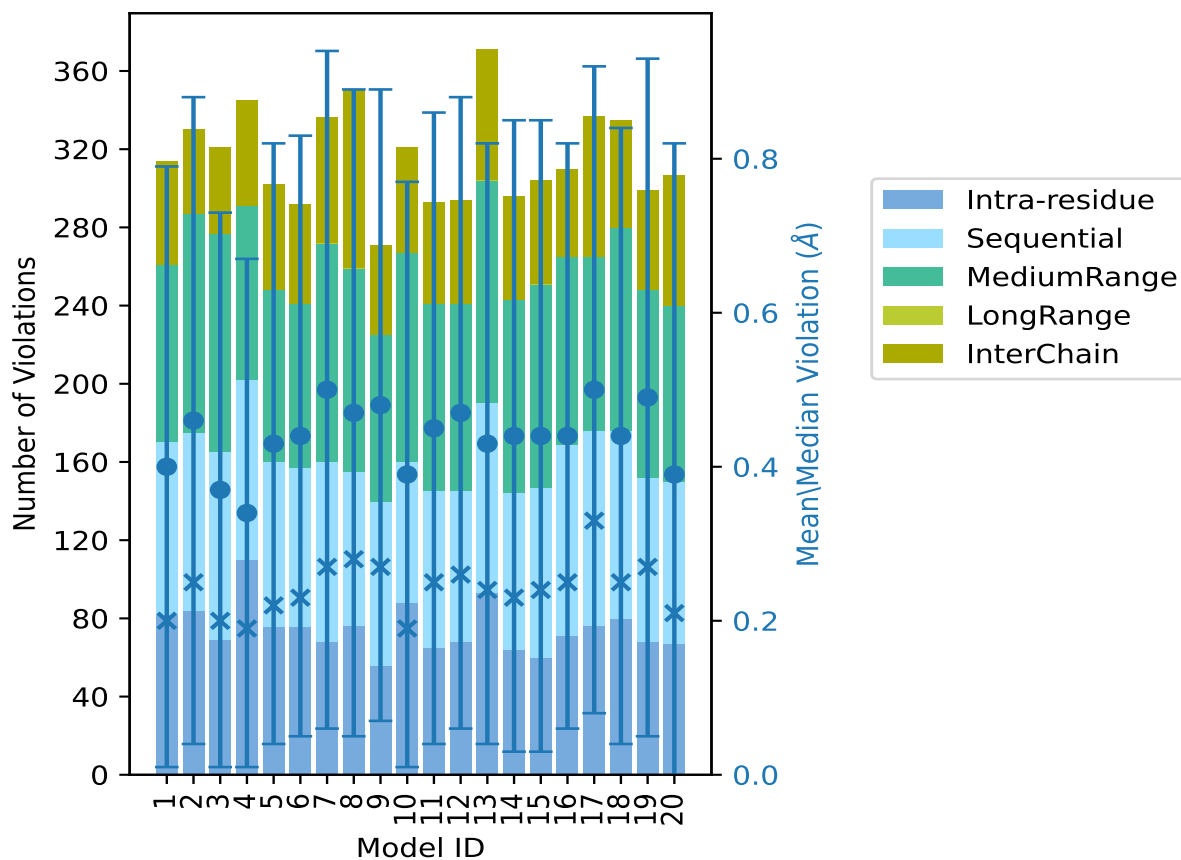
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵					
12	68	77	96	0	53	294	0.47	1.59	0.41	0.26
13	93	97	114	0	67	371	0.43	1.69	0.39	0.24
14	64	80	99	0	53	296	0.44	1.66	0.41	0.23
15	60	87	104	0	53	304	0.44	1.63	0.41	0.24
16	71	98	96	0	45	310	0.44	1.6	0.38	0.25
17	76	100	89	0	72	337	0.5	1.77	0.42	0.33
18	80	96	104	0	55	335	0.44	1.62	0.4	0.25
19	68	84	96	0	51	299	0.49	1.76	0.44	0.27
20	67	83	90	0	67	307	0.39	2.8	0.43	0.21

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 [\(i\)](#)



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

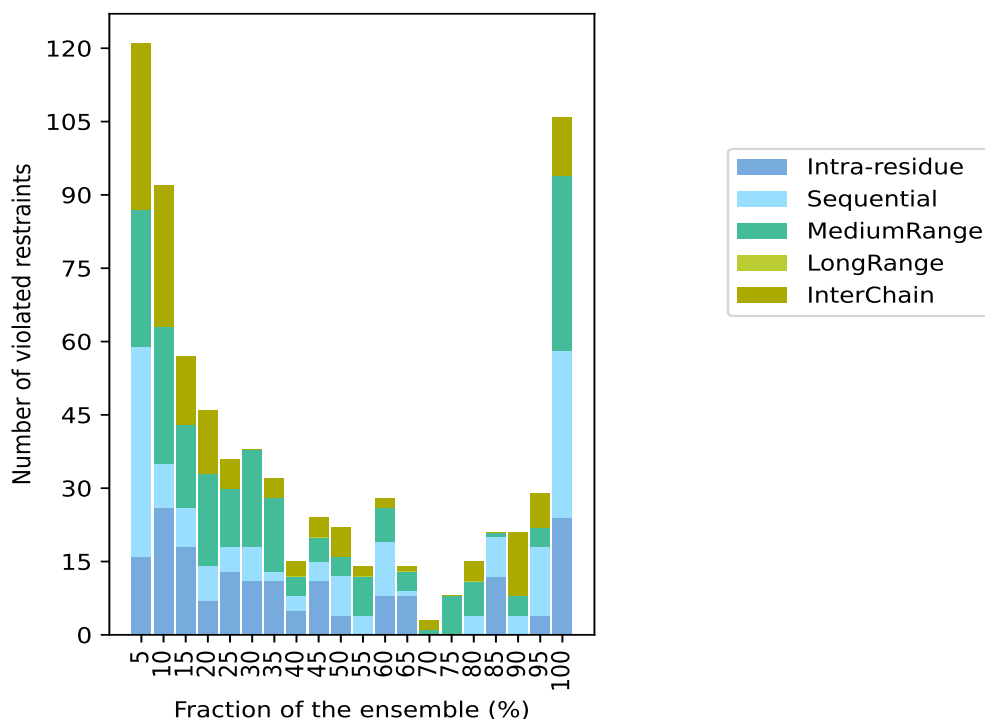
9.3 Distance violation statistics for the ensemble

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, 2438(IR:962, SQ:356, MR:388, LR:0, IC:732) 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	%
16	43	28	0	34	121	1	5.0
26	9	28	0	29	92	2	10.0
18	8	17	0	14	57	3	15.0
7	7	19	0	13	46	4	20.0
13	5	12	0	6	36	5	25.0
11	7	20	0	0	38	6	30.0
11	2	15	0	4	32	7	35.0
5	3	4	0	3	15	8	40.0
11	4	5	0	4	24	9	45.0
4	8	4	0	6	22	10	50.0
0	4	8	0	2	14	11	55.0
8	11	7	0	2	28	12	60.0
8	1	4	0	1	14	13	65.0
0	0	1	0	2	3	14	70.0
0	0	8	0	0	8	15	75.0
0	4	7	0	4	15	16	80.0
12	8	1	0	0	21	17	85.0
0	4	4	0	13	21	18	90.0
4	14	4	0	7	29	19	95.0
24	34	36	0	12	106	20	100.0

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

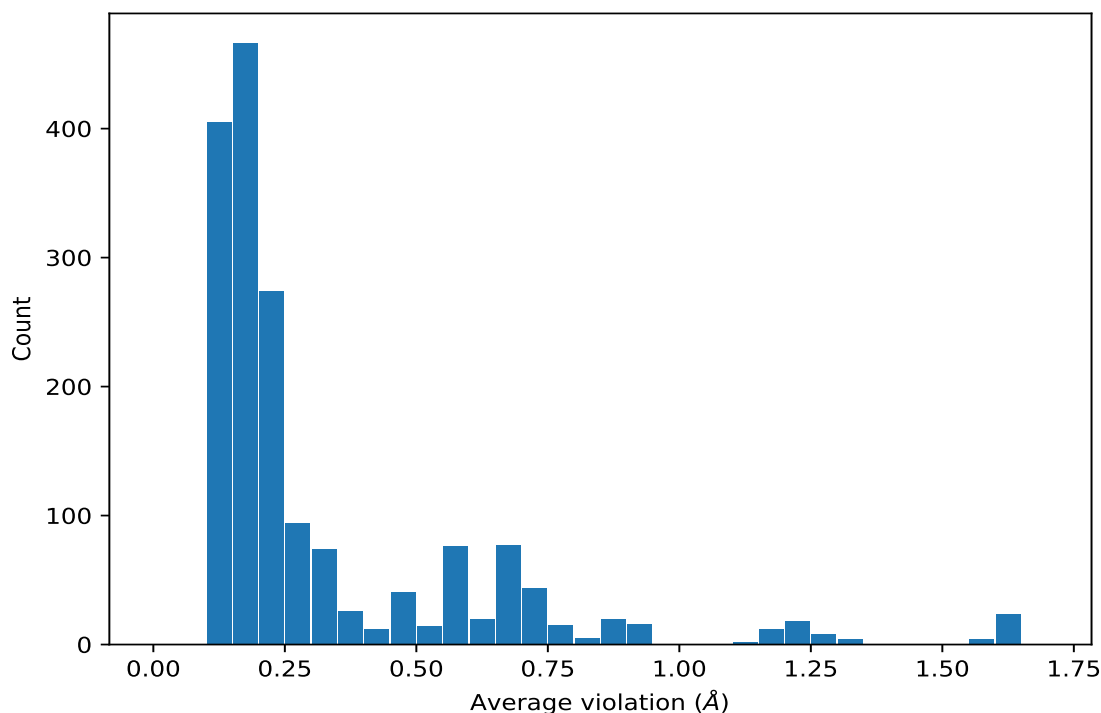
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	20	1.59	0.05	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	20	1.59	0.06	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	20	1.59	0.06	1.6
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	20	1.59	0.06	1.6
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	20	1.28	0.04	1.3
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	20	1.28	0.04	1.3
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	20	1.28	0.04	1.3
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	20	1.28	0.04	1.3
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	20	1.24	0.06	1.24
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	20	1.24	0.06	1.24
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	20	1.24	0.06	1.23
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	20	1.24	0.06	1.23
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	20	1.18	0.14	1.12
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	20	1.18	0.14	1.1
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	20	1.18	0.14	1.1
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	20	1.18	0.14	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	20	1.17	0.43	1.25
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	20	1.17	0.44	1.25
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	20	1.17	0.44	1.25
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	20	1.17	0.44	1.25
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	20	0.73	0.14	0.76
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	20	0.73	0.14	0.76
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	20	0.73	0.14	0.76
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	20	0.73	0.14	0.76
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	20	0.67	0.04	0.66
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	20	0.67	0.04	0.66
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	20	0.67	0.04	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	20	0.67	0.04	0.66
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	20	0.66	0.65	0.24
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	20	0.65	0.25	0.76
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	20	0.65	0.25	0.76
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	20	0.65	0.25	0.76
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	20	0.65	0.25	0.76
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	20	0.65	0.25	0.76
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	20	0.65	0.25	0.76
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	20	0.65	0.25	0.76
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	20	0.65	0.25	0.76
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	20	0.65	0.25	0.76
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	20	0.65	0.25	0.76
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	20	0.65	0.25	0.76
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	20	0.65	0.25	0.76
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	20	0.65	0.12	0.64
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	20	0.65	0.12	0.63
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	20	0.64	0.12	0.63
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	20	0.64	0.12	0.63
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	20	0.64	0.14	0.65
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	20	0.64	0.14	0.65
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	20	0.64	0.14	0.65
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	20	0.64	0.14	0.65
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	20	0.64	0.14	0.65
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	20	0.64	0.14	0.65
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	20	0.64	0.14	0.65
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	20	0.64	0.14	0.65
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	20	0.64	0.14	0.65
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	20	0.64	0.14	0.65
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	20	0.64	0.14	0.65
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	20	0.64	0.14	0.65
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	20	0.64	0.66	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	20	0.59	0.15	0.66
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	20	0.58	0.15	0.64
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	20	0.58	0.15	0.64
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	20	0.58	0.15	0.64
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	20	0.38	0.4	0.2
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	20	0.38	0.4	0.2
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	20	0.38	0.4	0.2
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	20	0.38	0.39	0.2
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	20	0.36	0.01	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	20	0.36	0.01	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	20	0.36	0.01	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	20	0.36	0.01	0.36
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	20	0.32	0.05	0.33
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	20	0.32	0.05	0.33
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	20	0.32	0.05	0.33
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	20	0.32	0.05	0.32
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	20	0.32	0.05	0.32
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	20	0.32	0.05	0.32
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	20	0.31	0.05	0.32
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	20	0.31	0.05	0.32
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	20	0.31	0.05	0.32
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	20	0.31	0.05	0.32
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	20	0.31	0.05	0.32
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	20	0.31	0.05	0.32
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	20	0.28	0.08	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	20	0.28	0.08	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	20	0.28	0.08	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	20	0.28	0.08	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	20	0.28	0.08	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	20	0.28	0.08	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	20	0.28	0.07	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	20	0.28	0.07	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	20	0.28	0.07	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	20	0.28	0.08	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	20	0.28	0.08	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	20	0.28	0.08	0.28
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	20	0.27	0.16	0.24
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	20	0.27	0.02	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	20	0.27	0.02	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	20	0.27	0.02	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	20	0.27	0.02	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	20	0.27	0.02	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	20	0.27	0.02	0.27
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	20	0.27	0.16	0.24
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	20	0.27	0.02	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	20	0.27	0.02	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	20	0.27	0.02	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	20	0.27	0.02	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	20	0.27	0.02	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	20	0.27	0.02	0.27
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	20	0.27	0.16	0.24
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	20	0.27	0.16	0.24
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	20	0.27	0.02	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	20	0.27	0.02	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	20	0.27	0.02	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	20	0.27	0.02	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	20	0.27	0.02	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	20	0.27	0.02	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	20	0.27	0.02	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	20	0.27	0.02	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	20	0.27	0.02	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	20	0.27	0.02	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	20	0.27	0.02	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	20	0.27	0.02	0.27
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	20	0.26	0.03	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	20	0.26	0.03	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	20	0.26	0.03	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	20	0.26	0.03	0.26
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	20	0.2	0.01	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	20	0.2	0.01	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	20	0.2	0.01	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	20	0.2	0.01	0.2
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	20	0.18	0.04	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	20	0.18	0.04	0.17
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	20	0.17	0.04	0.16
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	20	0.17	0.04	0.16
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	20	0.17	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	20	0.17	0.04	0.16
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	20	0.17	0.04	0.16
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	20	0.17	0.04	0.16
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	20	0.17	0.04	0.16
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	20	0.17	0.04	0.16
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	20	0.17	0.04	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	20	0.17	0.04	0.16
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	20	0.17	0.04	0.16
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	20	0.17	0.04	0.16
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	20	0.17	0.04	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	20	0.17	0.04	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	20	0.17	0.04	0.16
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	20	0.17	0.03	0.16
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	20	0.16	0.03	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	20	0.16	0.01	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	20	0.16	0.01	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	20	0.16	0.01	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	20	0.16	0.01	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	20	0.16	0.01	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	20	0.16	0.01	0.17
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	20	0.16	0.03	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	20	0.16	0.01	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	20	0.16	0.01	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	20	0.16	0.01	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	20	0.16	0.01	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	20	0.16	0.01	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	20	0.16	0.01	0.17
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	20	0.16	0.02	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	20	0.16	0.02	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	20	0.16	0.02	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	20	0.16	0.02	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	20	0.16	0.02	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	20	0.16	0.02	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	20	0.16	0.02	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	20	0.16	0.02	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	20	0.16	0.02	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	20	0.16	0.02	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	20	0.16	0.02	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	20	0.16	0.02	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	20	0.16	0.02	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	20	0.16	0.02	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	20	0.16	0.02	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	20	0.16	0.02	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	20	0.16	0.02	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	20	0.16	0.02	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	20	0.16	0.02	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	20	0.16	0.02	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	20	0.16	0.02	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	20	0.16	0.02	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	20	0.16	0.02	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	20	0.16	0.02	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	20	0.16	0.02	0.16
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	20	0.13	0.01	0.13
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	20	0.13	0.01	0.13
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	20	0.13	0.01	0.13
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	20	0.13	0.01	0.13
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	19	0.66	0.67	0.21
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	19	0.66	0.67	0.21
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	19	0.55	0.12	0.58
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	19	0.55	0.12	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	19	0.55	0.12	0.58
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	19	0.55	0.12	0.58
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	19	0.55	0.12	0.58
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	19	0.55	0.12	0.58
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	19	0.55	0.12	0.58
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	19	0.55	0.12	0.58
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	19	0.55	0.12	0.58
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	19	0.55	0.12	0.58
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	19	0.55	0.12	0.58
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	19	0.55	0.12	0.58
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	19	0.55	0.12	0.58
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	19	0.55	0.12	0.58
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	19	0.55	0.12	0.58
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	19	0.55	0.12	0.58
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	19	0.55	0.12	0.58
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	19	0.55	0.12	0.58
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	19	0.55	0.13	0.59
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	19	0.55	0.13	0.59
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	19	0.55	0.13	0.59
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	19	0.55	0.13	0.59
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	19	0.55	0.13	0.59
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	19	0.55	0.13	0.59
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	19	0.3	0.12	0.3
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	19	0.3	0.12	0.3
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	19	0.3	0.12	0.3
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	19	0.3	0.12	0.3
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	19	0.3	0.12	0.3
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	19	0.3	0.12	0.3
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	19	0.3	0.12	0.33
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	19	0.3	0.12	0.33
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	19	0.3	0.12	0.33
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	19	0.3	0.12	0.33
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	19	0.3	0.12	0.33
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	19	0.3	0.12	0.33
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	19	0.29	0.11	0.32
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	19	0.29	0.11	0.32
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	19	0.29	0.11	0.32
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	19	0.29	0.11	0.32
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	19	0.29	0.11	0.32
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	19	0.29	0.11	0.32
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	19	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	19	0.21	0.02	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	19	0.21	0.02	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	19	0.21	0.02	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	19	0.21	0.02	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	19	0.21	0.02	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	19	0.21	0.02	0.2
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	19	0.2	0.04	0.19
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	19	0.2	0.04	0.19
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	19	0.2	0.04	0.19
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	19	0.19	0.04	0.19
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	19	0.17	0.04	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	19	0.17	0.04	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	19	0.17	0.04	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	19	0.17	0.04	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	19	0.17	0.04	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	19	0.17	0.04	0.17
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	19	0.17	0.04	0.17
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	19	0.17	0.04	0.17
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	19	0.17	0.04	0.17
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	19	0.17	0.04	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	19	0.17	0.04	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	19	0.17	0.04	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	19	0.17	0.02	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	19	0.17	0.02	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	19	0.17	0.02	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	19	0.16	0.02	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	19	0.16	0.02	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	19	0.16	0.02	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	19	0.16	0.02	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	19	0.16	0.02	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	19	0.16	0.02	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	19	0.16	0.02	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	19	0.16	0.02	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	19	0.16	0.02	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	19	0.16	0.01	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	19	0.16	0.01	0.16
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	19	0.16	0.01	0.16
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	19	0.16	0.01	0.15
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	18	1.27	0.33	1.38
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	18	1.27	0.33	1.37
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	18	1.27	0.33	1.36
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	18	1.27	0.33	1.34
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	18	0.72	0.29	0.86
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	18	0.72	0.29	0.86
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	18	0.72	0.29	0.86
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	18	0.72	0.29	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	18	0.72	0.29	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	18	0.72	0.29	0.87
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	18	0.72	0.29	0.86
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	18	0.72	0.29	0.86
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	18	0.72	0.29	0.86
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	18	0.71	0.29	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	18	0.71	0.29	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	18	0.71	0.29	0.85
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	18	0.3	0.11	0.31
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	18	0.3	0.11	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	18	0.3	0.11	0.31
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	18	0.3	0.11	0.31
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	18	0.3	0.11	0.31
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	18	0.3	0.11	0.31
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	18	0.24	0.1	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	18	0.24	0.1	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	18	0.24	0.1	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	18	0.24	0.1	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	18	0.2	0.04	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	18	0.2	0.04	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	18	0.2	0.04	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	18	0.2	0.04	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	18	0.2	0.04	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	18	0.2	0.04	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	18	0.2	0.04	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	18	0.2	0.04	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	18	0.2	0.04	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	18	0.2	0.04	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	18	0.2	0.04	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	18	0.2	0.04	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	18	0.18	0.07	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	18	0.18	0.07	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	18	0.18	0.07	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	18	0.18	0.07	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	18	0.18	0.07	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	18	0.18	0.07	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	18	0.18	0.07	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	18	0.18	0.07	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	18	0.18	0.07	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	18	0.18	0.07	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	18	0.18	0.07	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	18	0.18	0.07	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	18	0.18	0.07	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	18	0.18	0.07	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	18	0.18	0.07	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	18	0.18	0.07	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	18	0.18	0.07	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	18	0.18	0.07	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	18	0.18	0.07	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	18	0.18	0.07	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	18	0.18	0.07	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	18	0.18	0.07	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	18	0.18	0.07	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	18	0.18	0.07	0.16
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	17	0.7	0.06	0.71
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	17	0.7	0.06	0.71
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	17	0.7	0.06	0.71
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	17	0.7	0.06	0.7
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	17	0.7	0.06	0.7
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	17	0.7	0.06	0.7
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	17	0.7	0.06	0.7
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	17	0.7	0.06	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	17	0.7	0.06	0.7
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	17	0.7	0.06	0.7
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	17	0.7	0.06	0.7
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	17	0.7	0.06	0.7
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	17	0.38	0.04	0.4
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	17	0.38	0.04	0.4
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	17	0.38	0.04	0.4
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	17	0.38	0.04	0.4
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	17	0.18	0.06	0.15
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	17	0.18	0.06	0.16
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	17	0.17	0.06	0.16
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	17	0.17	0.05	0.15
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	17	0.16	0.02	0.17
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	17	0.16	0.02	0.17
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	17	0.16	0.02	0.17
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	17	0.16	0.02	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	17	0.15	0.03	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	17	0.15	0.03	0.14
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	17	0.13	0.01	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	17	0.13	0.01	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	17	0.13	0.01	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	17	0.13	0.01	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	17	0.13	0.01	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	17	0.13	0.01	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	17	0.13	0.01	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	17	0.13	0.01	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	17	0.13	0.01	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	17	0.13	0.01	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	17	0.13	0.01	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	17	0.13	0.01	0.13
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	16	0.85	0.41	1.09
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	16	0.85	0.41	1.09
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	16	0.85	0.41	1.09
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	16	0.85	0.41	1.09
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	16	0.85	0.41	1.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	16	0.85	0.41	1.09
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	16	0.85	0.41	1.09
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	16	0.85	0.41	1.09
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	16	0.85	0.41	1.09
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	16	0.85	0.41	1.08
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	16	0.85	0.41	1.08
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	16	0.85	0.41	1.08
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	16	0.56	0.31	0.44
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	16	0.56	0.31	0.44
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	16	0.56	0.31	0.42
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	16	0.56	0.31	0.42
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	16	0.55	0.32	0.4
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	16	0.55	0.32	0.4
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	16	0.54	0.3	0.42
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	16	0.54	0.3	0.42
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	16	0.15	0.03	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	16	0.15	0.03	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	16	0.15	0.03	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	16	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	16	0.15	0.02	0.15
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	16	0.15	0.02	0.15
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	16	0.15	0.02	0.14
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	16	0.14	0.03	0.14
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	15	0.59	0.25	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	15	0.59	0.25	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	15	0.59	0.25	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	15	0.59	0.25	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	15	0.59	0.25	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	15	0.59	0.25	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	15	0.59	0.25	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	15	0.59	0.25	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	15	0.59	0.25	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	15	0.59	0.25	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	15	0.59	0.25	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	15	0.59	0.25	0.71
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	15	0.21	0.04	0.21
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	15	0.21	0.04	0.2
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	15	0.21	0.04	0.2
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	15	0.2	0.04	0.2
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	14	0.21	0.14	0.15
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	14	0.21	0.14	0.15
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	14	0.2	0.14	0.14
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	14	0.2	0.14	0.14
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	14	0.12	0.01	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	14	0.12	0.01	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	14	0.12	0.01	0.12
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	13	1.14	0.34	1.18
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	13	1.14	0.34	1.18
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	13	0.22	0.07	0.21
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	13	0.22	0.07	0.21
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	13	0.22	0.07	0.21
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	13	0.22	0.07	0.21
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	13	0.22	0.07	0.21
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	13	0.22	0.07	0.21
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	13	0.22	0.07	0.21
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	13	0.22	0.07	0.21
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	13	0.22	0.07	0.21
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	13	0.22	0.07	0.2
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	13	0.22	0.07	0.2
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	13	0.22	0.07	0.2
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	13	0.21	0.15	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	13	0.21	0.15	0.15
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	13	0.14	0.01	0.15
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	13	0.14	0.02	0.15
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	13	0.14	0.01	0.14
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	13	0.14	0.01	0.14
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	13	0.14	0.03	0.13
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	13	0.14	0.03	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	13	0.12	0.01	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	13	0.12	0.01	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	13	0.12	0.01	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	13	0.12	0.01	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	13	0.12	0.01	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	13	0.12	0.01	0.12
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	12	1.23	0.16	1.23
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	12	1.23	0.16	1.23
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	12	1.17	0.33	1.25
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	12	1.17	0.33	1.24
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	12	1.17	0.33	1.25
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	12	1.17	0.33	1.24
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	12	0.71	0.21	0.71
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	12	0.71	0.21	0.71
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	12	0.71	0.21	0.71
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	12	0.71	0.21	0.71
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	12	0.71	0.21	0.71
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	12	0.71	0.21	0.71
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	12	0.71	0.21	0.72
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	12	0.71	0.21	0.72
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	12	0.71	0.21	0.72
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	12	0.7	0.21	0.7
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	12	0.7	0.21	0.7
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	12	0.7	0.21	0.7
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	12	0.59	0.03	0.6
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	12	0.59	0.03	0.6
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	12	0.58	0.03	0.6
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	12	0.58	0.03	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	12	0.35	0.05	0.36
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	12	0.35	0.05	0.36
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	12	0.34	0.05	0.36
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	12	0.34	0.05	0.36
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	12	0.22	0.15	0.16
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	12	0.22	0.15	0.16
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	12	0.14	0.04	0.12
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	12	0.14	0.04	0.12
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	12	0.14	0.04	0.12
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	12	0.14	0.04	0.12
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	12	0.14	0.04	0.12
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	12	0.14	0.04	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	12	0.14	0.03	0.14
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	12	0.14	0.03	0.14
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	12	0.14	0.02	0.14
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	12	0.14	0.02	0.14
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	12	0.14	0.03	0.14
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	12	0.14	0.03	0.14
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	12	0.13	0.01	0.13
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	12	0.13	0.01	0.13
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	12	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	12	0.13	0.01	0.12
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	12	0.13	0.01	0.12
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	12	0.13	0.01	0.12
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	12	0.13	0.01	0.12
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	12	0.13	0.01	0.12
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	12	0.13	0.01	0.12
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	12	0.13	0.01	0.12
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	12	0.13	0.01	0.12
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	12	0.13	0.01	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	12	0.12	0.01	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	12	0.12	0.01	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	12	0.12	0.01	0.12
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	11	1.31	0.29	1.47
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	11	1.31	0.28	1.48
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	11	1.31	0.28	1.47
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	11	1.31	0.29	1.47
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	11	0.77	0.21	0.82
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	11	0.77	0.21	0.82
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	11	0.77	0.21	0.82
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	11	0.77	0.21	0.81
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	11	0.77	0.21	0.81
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	11	0.77	0.21	0.81
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	11	0.77	0.21	0.81
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	11	0.77	0.21	0.81
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	11	0.77	0.21	0.81
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	11	0.76	0.21	0.82
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	11	0.76	0.21	0.82
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	11	0.76	0.21	0.82
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	11	0.39	0.1	0.39
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	11	0.39	0.1	0.4
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	11	0.39	0.1	0.4
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	11	0.38	0.1	0.39
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	11	0.14	0.03	0.14
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	11	0.14	0.03	0.14
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	11	0.14	0.03	0.14
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	11	0.14	0.03	0.14
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	11	0.14	0.03	0.14
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	11	0.14	0.03	0.14
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	11	0.14	0.03	0.14
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	11	0.14	0.03	0.14
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	11	0.14	0.03	0.14
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	11	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	11	0.14	0.03	0.14
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	11	0.14	0.03	0.14
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	10	0.91	0.39	1.0
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	10	0.91	0.39	1.0
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	10	0.91	0.39	1.0
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	10	0.91	0.39	1.0
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	10	0.91	0.39	1.0
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	10	0.91	0.39	1.0
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	10	0.9	0.38	1.01
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	10	0.9	0.38	1.01
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	10	0.9	0.38	1.01
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	10	0.9	0.38	1.0
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	10	0.9	0.38	1.0
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	10	0.9	0.38	1.0
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	10	0.82	0.37	0.66
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	10	0.82	0.36	0.65
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	10	0.82	0.37	0.65
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	10	0.82	0.37	0.66
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	10	0.42	0.0	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	10	0.42	0.0	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	10	0.42	0.0	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	10	0.42	0.0	0.42
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	10	0.16	0.04	0.16
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	10	0.16	0.04	0.16
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	10	0.16	0.04	0.16
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	10	0.16	0.04	0.16
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	10	0.15	0.04	0.15
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	10	0.15	0.04	0.15
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	10	0.15	0.04	0.15
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	10	0.15	0.04	0.15
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	10	0.15	0.04	0.15
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	10	0.15	0.04	0.15
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	10	0.15	0.03	0.14
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	10	0.15	0.03	0.14
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	10	0.15	0.03	0.14
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	10	0.15	0.03	0.14
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	10	0.15	0.03	0.14
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	10	0.15	0.03	0.14
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	10	0.15	0.02	0.15
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	10	0.15	0.02	0.15
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	10	0.15	0.02	0.15
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	10	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	9	0.69	0.72	0.19
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	9	0.69	0.72	0.19
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	9	0.68	0.72	0.19
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	9	0.68	0.72	0.19
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	9	0.66	0.37	0.66
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	9	0.66	0.37	0.66
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	9	0.66	0.37	0.66
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	9	0.66	0.37	0.65
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	9	0.66	0.37	0.65
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	9	0.66	0.37	0.65
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	9	0.66	0.37	0.65
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	9	0.66	0.37	0.65
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	9	0.66	0.37	0.65
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	9	0.65	0.37	0.65
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	9	0.65	0.37	0.65
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	9	0.65	0.37	0.65
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	9	0.49	0.01	0.49
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	9	0.49	0.01	0.49
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	9	0.49	0.01	0.49
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	9	0.49	0.01	0.49
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	9	0.3	0.04	0.28
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	9	0.29	0.04	0.28
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	9	0.29	0.04	0.28
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	9	0.29	0.04	0.28
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	9	0.24	0.07	0.25
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	9	0.24	0.07	0.25
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	9	0.24	0.07	0.25
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	9	0.24	0.07	0.25
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	9	0.24	0.07	0.25
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	9	0.24	0.07	0.25
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	9	0.17	0.04	0.16
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	9	0.17	0.05	0.16
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	9	0.17	0.05	0.16
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	9	0.16	0.03	0.16
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	9	0.16	0.03	0.16
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	9	0.16	0.03	0.16
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	9	0.16	0.03	0.16
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	9	0.16	0.03	0.16
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	9	0.16	0.03	0.16
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	9	0.16	0.03	0.15
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	9	0.16	0.03	0.15
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	9	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	9	0.16	0.03	0.15
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	9	0.16	0.03	0.15
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	9	0.16	0.03	0.15
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	9	0.15	0.04	0.14
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	9	0.15	0.04	0.14
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	9	0.15	0.04	0.14
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	9	0.15	0.04	0.14
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	9	0.15	0.04	0.14
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	9	0.15	0.04	0.14
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	9	0.12	0.01	0.12
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	8	0.3	0.16	0.28
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	8	0.27	0.06	0.26
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	8	0.27	0.06	0.26
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	8	0.27	0.06	0.26
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	8	0.27	0.06	0.26
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	8	0.27	0.06	0.26
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	8	0.27	0.06	0.26
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	8	0.26	0.07	0.26
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	8	0.26	0.07	0.26
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	8	0.26	0.07	0.26
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	8	0.26	0.07	0.26
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	8	0.26	0.07	0.26
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	8	0.26	0.07	0.26
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	8	0.26	0.06	0.25
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	8	0.26	0.06	0.25
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	8	0.26	0.06	0.25
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	8	0.26	0.06	0.25
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	8	0.26	0.06	0.25
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	8	0.26	0.06	0.25
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	8	0.18	0.04	0.18
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	8	0.17	0.05	0.16
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	8	0.17	0.05	0.16
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	8	0.17	0.05	0.16
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	8	0.17	0.05	0.15
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	8	0.16	0.05	0.13
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	8	0.16	0.05	0.13
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	8	0.16	0.05	0.13
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	8	0.16	0.05	0.13
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	8	0.16	0.05	0.13
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	8	0.16	0.05	0.13
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	8	0.16	0.05	0.13
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	8	0.16	0.05	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	8	0.16	0.05	0.13
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	8	0.12	0.01	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	8	0.12	0.01	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	8	0.12	0.01	0.12
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	8	0.12	0.01	0.12
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	8	0.12	0.01	0.12
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	7	0.8	0.29	0.93
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	7	0.79	0.29	0.93
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	7	0.79	0.29	0.92
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	7	0.79	0.29	0.92
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	7	0.69	0.06	0.69
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	7	0.69	0.06	0.69
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	7	0.69	0.06	0.69
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	7	0.69	0.06	0.69
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	7	0.69	0.06	0.69
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	7	0.69	0.06	0.69
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	7	0.68	0.07	0.69
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	7	0.68	0.07	0.69
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	7	0.68	0.07	0.69
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	7	0.68	0.07	0.69
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	7	0.68	0.07	0.69
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	7	0.68	0.07	0.69
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	7	0.68	0.07	0.69
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	7	0.68	0.07	0.69
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	7	0.68	0.07	0.69
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	7	0.68	0.07	0.69
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	7	0.68	0.07	0.69
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	7	0.68	0.07	0.69
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	7	0.68	0.07	0.69
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	7	0.68	0.07	0.69
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	7	0.68	0.07	0.69
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	7	0.68	0.07	0.69
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	7	0.68	0.07	0.69
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	7	0.68	0.07	0.69
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	7	0.6	0.42	0.31
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	7	0.59	0.42	0.3
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	7	0.59	0.42	0.31
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	7	0.59	0.42	0.3
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	7	0.32	0.15	0.34
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	7	0.32	0.15	0.33
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	7	0.32	0.15	0.34
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	7	0.28	0.05	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	7	0.28	0.04	0.28
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	7	0.28	0.05	0.28
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	7	0.28	0.05	0.28
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	7	0.21	0.02	0.21
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	7	0.21	0.03	0.21
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	7	0.21	0.02	0.21
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	7	0.21	0.02	0.21
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	7	0.16	0.05	0.13
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	7	0.16	0.05	0.13
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	7	0.16	0.05	0.13
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	7	0.14	0.04	0.13
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	7	0.14	0.04	0.13
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	7	0.14	0.04	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	7	0.13	0.02	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	7	0.13	0.02	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	7	0.13	0.02	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	7	0.13	0.01	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	7	0.13	0.01	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	7	0.13	0.01	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	7	0.13	0.01	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	7	0.13	0.01	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	7	0.13	0.01	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	7	0.12	0.01	0.12
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	7	0.12	0.01	0.12
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	6	1.24	0.04	1.24
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	6	1.24	0.04	1.24
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	6	1.24	0.04	1.24
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	6	1.24	0.04	1.24
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	6	1.24	0.04	1.24
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	6	1.24	0.04	1.24
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	6	1.24	0.04	1.24
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	6	1.24	0.04	1.24
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	6	1.24	0.04	1.24
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	6	1.24	0.04	1.24
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	6	1.24	0.04	1.24
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	6	1.24	0.04	1.24
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	6	0.9	0.33	1.05
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	6	0.9	0.33	1.05
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	6	0.9	0.33	1.04
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	6	0.9	0.33	1.04
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	6	0.86	0.07	0.86
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	6	0.86	0.07	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	6	0.86	0.07	0.86
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	6	0.86	0.07	0.86
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	6	0.42	0.0	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	6	0.42	0.0	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	6	0.42	0.0	0.42
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	6	0.42	0.0	0.42
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	6	0.37	0.13	0.4
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	6	0.37	0.13	0.4
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	6	0.37	0.13	0.4
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	6	0.37	0.13	0.4
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	6	0.23	0.01	0.22
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	6	0.23	0.01	0.22
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	6	0.23	0.01	0.22
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	6	0.23	0.01	0.22
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	6	0.22	0.04	0.23
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	6	0.22	0.04	0.23
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	6	0.22	0.04	0.23
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	6	0.22	0.04	0.23
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	6	0.22	0.04	0.23
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	6	0.22	0.04	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	6	0.22	0.03	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	6	0.22	0.03	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	6	0.22	0.03	0.23
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	6	0.21	0.03	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	6	0.21	0.03	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	6	0.21	0.03	0.22
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	6	0.17	0.03	0.17
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	6	0.17	0.03	0.17
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	6	0.17	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	6	0.17	0.03	0.16
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	6	0.17	0.03	0.16
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	6	0.16	0.03	0.16
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	6	0.16	0.03	0.16
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	6	0.16	0.03	0.16
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	6	0.15	0.04	0.14
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	6	0.14	0.04	0.13
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	6	0.14	0.04	0.14
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	6	0.14	0.03	0.12
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	6	0.14	0.04	0.12
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	6	0.11	0.0	0.11
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG21	5	1.63	0.64	1.55
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG22	5	1.63	0.64	1.55
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG23	5	1.63	0.64	1.55
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG21	5	1.63	0.64	1.55
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG22	5	1.63	0.64	1.55
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG23	5	1.63	0.64	1.55
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG21	5	1.63	0.64	1.52
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG22	5	1.63	0.64	1.52
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG23	5	1.63	0.64	1.52
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG21	5	1.63	0.64	1.52
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG22	5	1.63	0.64	1.52
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG23	5	1.63	0.64	1.52
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG21	5	1.62	0.65	1.49
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG22	5	1.62	0.65	1.49
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG23	5	1.62	0.65	1.49
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG21	5	1.62	0.65	1.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG22	5	1.62	0.65	1.49
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG23	5	1.62	0.65	1.49
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG21	5	1.62	0.65	1.47
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG22	5	1.62	0.65	1.47
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG23	5	1.62	0.65	1.47
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG21	5	1.62	0.65	1.47
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG22	5	1.62	0.65	1.47
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG23	5	1.62	0.65	1.47
(2,1066)	1:B:133:ALA:HB2	1:B:134:ARG:HD2	5	0.69	0.49	0.68
(2,1066)	1:B:133:ALA:HB1	1:B:134:ARG:HD2	5	0.69	0.49	0.68
(2,1066)	1:B:133:ALA:HB3	1:B:134:ARG:HD2	5	0.69	0.49	0.68
(2,1065)	1:A:133:ALA:HB2	1:A:134:ARG:HD2	5	0.68	0.48	0.68
(2,1065)	1:A:133:ALA:HB1	1:A:134:ARG:HD2	5	0.68	0.48	0.68
(2,1065)	1:A:133:ALA:HB3	1:A:134:ARG:HD2	5	0.68	0.48	0.68
(2,1068)	1:D:133:ALA:HB2	1:D:134:ARG:HD2	5	0.68	0.48	0.68
(2,1068)	1:D:133:ALA:HB1	1:D:134:ARG:HD2	5	0.68	0.48	0.68
(2,1068)	1:D:133:ALA:HB3	1:D:134:ARG:HD2	5	0.68	0.48	0.68
(2,1067)	1:C:133:ALA:HB2	1:C:134:ARG:HD2	5	0.68	0.48	0.68
(2,1067)	1:C:133:ALA:HB1	1:C:134:ARG:HD2	5	0.68	0.48	0.68
(2,1067)	1:C:133:ALA:HB3	1:C:134:ARG:HD2	5	0.68	0.48	0.68
(2,1245)	1:A:137:ARG:HG2	1:A:141:LYS:HE2	5	0.6	0.13	0.65
(2,1247)	1:C:137:ARG:HG2	1:C:141:LYS:HE2	5	0.59	0.12	0.65
(2,1248)	1:D:137:ARG:HG2	1:D:141:LYS:HE2	5	0.59	0.12	0.64
(2,1246)	1:B:137:ARG:HG2	1:B:141:LYS:HE2	5	0.59	0.12	0.64
(2,2279)	1:C:146:LEU:H	1:C:142:LEU:HB3	5	0.37	0.22	0.44
(2,2277)	1:A:146:LEU:H	1:A:142:LEU:HB3	5	0.37	0.22	0.44
(2,2278)	1:B:146:LEU:H	1:B:142:LEU:HB3	5	0.37	0.22	0.44
(2,2280)	1:D:146:LEU:H	1:D:142:LEU:HB3	5	0.36	0.22	0.44
(2,645)	1:A:141:LYS:HE2	1:A:141:LYS:HG2	5	0.27	0.02	0.29
(2,647)	1:C:141:LYS:HE2	1:C:141:LYS:HG2	5	0.27	0.02	0.28
(2,648)	1:D:141:LYS:HE2	1:D:141:LYS:HG2	5	0.27	0.02	0.28
(2,646)	1:B:141:LYS:HE2	1:B:141:LYS:HG2	5	0.27	0.02	0.28
(2,322)	1:B:141:LYS:HE2	1:B:141:LYS:HG3	5	0.18	0.01	0.19
(2,321)	1:A:141:LYS:HE2	1:A:141:LYS:HG3	5	0.18	0.01	0.17
(2,323)	1:C:141:LYS:HE2	1:C:141:LYS:HG3	5	0.18	0.01	0.17
(2,324)	1:D:141:LYS:HE2	1:D:141:LYS:HG3	5	0.18	0.01	0.17
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG22	5	0.14	0.04	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG21	5	0.14	0.04	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG23	5	0.14	0.04	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG22	5	0.14	0.04	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG21	5	0.14	0.04	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG23	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)
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG22	5	0.14	0.04	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG21	5	0.14	0.04	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG23	5	0.14	0.04	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG22	5	0.14	0.04	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG21	5	0.14	0.04	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG23	5	0.14	0.04	0.13
(2,1967)	1:C:140:GLU:H	1:C:140:GLU:HB3	5	0.13	0.01	0.12
(2,1968)	1:D:140:GLU:H	1:D:140:GLU:HB3	5	0.13	0.01	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG12	5	0.12	0.01	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG11	5	0.12	0.01	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG13	5	0.12	0.01	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG12	5	0.12	0.01	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG11	5	0.12	0.01	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG13	5	0.12	0.01	0.12
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD22	5	0.12	0.02	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD21	5	0.12	0.02	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD23	5	0.12	0.02	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD22	5	0.12	0.01	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD21	5	0.12	0.01	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD23	5	0.12	0.01	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD22	5	0.12	0.01	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD21	5	0.12	0.01	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD23	5	0.12	0.01	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG22	5	0.11	0.0	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG21	5	0.11	0.0	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG23	5	0.11	0.0	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG22	5	0.11	0.0	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG21	5	0.11	0.0	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG23	5	0.11	0.0	0.11
(2,2042)	1:B:145:ILE:H	1:B:146:LEU:HG	5	0.11	0.0	0.11
(2,134)	1:B:153:VAL:HA	1:B:156:SER:HB2	4	0.68	0.19	0.7
(2,135)	1:C:153:VAL:HA	1:C:156:SER:HB2	4	0.68	0.19	0.7
(2,136)	1:D:153:VAL:HA	1:D:156:SER:HB2	4	0.68	0.19	0.7
(2,133)	1:A:153:VAL:HA	1:A:156:SER:HB2	4	0.67	0.19	0.69
(2,2214)	1:B:157:ALA:H	1:B:156:SER:HB2	4	0.57	0.16	0.61
(2,2215)	1:C:157:ALA:H	1:C:156:SER:HB2	4	0.57	0.16	0.61
(2,2216)	1:D:157:ALA:H	1:D:156:SER:HB2	4	0.57	0.16	0.61
(2,2213)	1:A:157:ALA:H	1:A:156:SER:HB2	4	0.57	0.15	0.6
(2,728)	1:D:162:ALA:HB2	1:D:158:GLY:HA2	4	0.51	0.34	0.5
(2,728)	1:D:162:ALA:HB1	1:D:158:GLY:HA2	4	0.51	0.34	0.5
(2,728)	1:D:162:ALA:HB3	1:D:158:GLY:HA2	4	0.51	0.34	0.5
(2,725)	1:A:162:ALA:HB2	1:A:158:GLY:HA2	4	0.51	0.34	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,725)	1:A:162:ALA:HB1	1:A:158:GLY:HA2	4	0.51	0.34	0.5
(2,725)	1:A:162:ALA:HB3	1:A:158:GLY:HA2	4	0.51	0.34	0.5
(2,726)	1:B:162:ALA:HB2	1:B:158:GLY:HA2	4	0.5	0.35	0.5
(2,726)	1:B:162:ALA:HB1	1:B:158:GLY:HA2	4	0.5	0.35	0.5
(2,726)	1:B:162:ALA:HB3	1:B:158:GLY:HA2	4	0.5	0.35	0.5
(2,727)	1:C:162:ALA:HB2	1:C:158:GLY:HA2	4	0.5	0.35	0.5
(2,727)	1:C:162:ALA:HB1	1:C:158:GLY:HA2	4	0.5	0.35	0.5
(2,727)	1:C:162:ALA:HB3	1:C:158:GLY:HA2	4	0.5	0.35	0.5
(1,81)	1:A:154:VAL:HG12	1:B:156:SER:HB2	4	0.49	0.07	0.47
(1,81)	1:A:154:VAL:HG11	1:B:156:SER:HB2	4	0.49	0.07	0.47
(1,81)	1:A:154:VAL:HG13	1:B:156:SER:HB2	4	0.49	0.07	0.47
(1,81)	1:A:154:VAL:HG12	1:D:156:SER:HB2	4	0.49	0.07	0.47
(1,81)	1:A:154:VAL:HG11	1:D:156:SER:HB2	4	0.49	0.07	0.47
(1,81)	1:A:154:VAL:HG13	1:D:156:SER:HB2	4	0.49	0.07	0.47
(1,83)	1:C:154:VAL:HG12	1:D:156:SER:HB2	4	0.49	0.07	0.47
(1,83)	1:C:154:VAL:HG11	1:D:156:SER:HB2	4	0.49	0.07	0.47
(1,83)	1:C:154:VAL:HG13	1:D:156:SER:HB2	4	0.49	0.07	0.47
(1,83)	1:C:154:VAL:HG12	1:B:156:SER:HB2	4	0.49	0.07	0.47
(1,83)	1:C:154:VAL:HG11	1:B:156:SER:HB2	4	0.49	0.07	0.47
(1,83)	1:C:154:VAL:HG13	1:B:156:SER:HB2	4	0.49	0.07	0.47
(1,82)	1:B:154:VAL:HG12	1:C:156:SER:HB2	4	0.48	0.07	0.46
(1,82)	1:B:154:VAL:HG11	1:C:156:SER:HB2	4	0.48	0.07	0.46
(1,82)	1:B:154:VAL:HG13	1:C:156:SER:HB2	4	0.48	0.07	0.46
(1,82)	1:B:154:VAL:HG12	1:A:156:SER:HB2	4	0.48	0.07	0.46
(1,82)	1:B:154:VAL:HG11	1:A:156:SER:HB2	4	0.48	0.07	0.46
(1,82)	1:B:154:VAL:HG13	1:A:156:SER:HB2	4	0.48	0.07	0.46
(1,84)	1:D:154:VAL:HG12	1:A:156:SER:HB2	4	0.48	0.08	0.45
(1,84)	1:D:154:VAL:HG11	1:A:156:SER:HB2	4	0.48	0.08	0.45
(1,84)	1:D:154:VAL:HG13	1:A:156:SER:HB2	4	0.48	0.08	0.45
(1,84)	1:D:154:VAL:HG12	1:C:156:SER:HB2	4	0.48	0.08	0.45
(1,84)	1:D:154:VAL:HG11	1:C:156:SER:HB2	4	0.48	0.08	0.45
(1,84)	1:D:154:VAL:HG13	1:C:156:SER:HB2	4	0.48	0.08	0.45
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB2	4	0.29	0.02	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB1	4	0.29	0.02	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB3	4	0.29	0.02	0.3
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB2	4	0.29	0.02	0.3
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB1	4	0.29	0.02	0.3
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB3	4	0.29	0.02	0.3
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB2	4	0.28	0.02	0.27
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB1	4	0.28	0.02	0.27
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB3	4	0.28	0.02	0.27
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB2	4	0.28	0.02	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB1	4	0.28	0.02	0.28
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB3	4	0.28	0.02	0.28
(2,1503)	1:C:163:ARG:H	1:C:163:ARG:HD2	4	0.26	0.12	0.24
(2,1502)	1:B:163:ARG:H	1:B:163:ARG:HD2	4	0.26	0.12	0.24
(2,1504)	1:D:163:ARG:H	1:D:163:ARG:HD2	4	0.26	0.12	0.24
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG21	4	0.17	0.08	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG22	4	0.17	0.08	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG23	4	0.17	0.08	0.12
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG21	4	0.16	0.08	0.12
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG22	4	0.16	0.08	0.12
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG23	4	0.16	0.08	0.12
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG21	4	0.16	0.08	0.12
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG22	4	0.16	0.08	0.12
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG23	4	0.16	0.08	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG21	4	0.16	0.07	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG22	4	0.16	0.07	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG23	4	0.16	0.07	0.12
(2,362)	1:B:140:GLU:HB3	1:B:137:ARG:HA	4	0.14	0.02	0.15
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG12	4	0.14	0.01	0.14
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG11	4	0.14	0.01	0.14
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG13	4	0.14	0.01	0.14
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG12	4	0.14	0.01	0.14
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG11	4	0.14	0.01	0.14
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG13	4	0.14	0.01	0.14
(2,361)	1:A:140:GLU:HB3	1:A:137:ARG:HA	4	0.14	0.02	0.15
(2,363)	1:C:140:GLU:HB3	1:C:137:ARG:HA	4	0.14	0.02	0.15
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG12	4	0.14	0.02	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG11	4	0.14	0.02	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG13	4	0.14	0.02	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG12	4	0.14	0.02	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG11	4	0.14	0.02	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG13	4	0.14	0.02	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD12	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD11	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD13	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD12	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD11	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD13	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD12	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD11	4	0.13	0.01	0.13
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD13	4	0.13	0.01	0.13
(2,1966)	1:B:140:GLU:H	1:B:140:GLU:HB3	4	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG12	4	0.13	0.01	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG11	4	0.13	0.01	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG13	4	0.13	0.01	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG12	4	0.13	0.01	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG11	4	0.13	0.01	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG13	4	0.13	0.01	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD12	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD11	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD13	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD12	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD11	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD13	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD12	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD11	4	0.12	0.01	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD13	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD12	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD11	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD13	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD12	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD11	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD13	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD12	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD11	4	0.12	0.01	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD13	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD12	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD11	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD13	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD12	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD11	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD13	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD12	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD11	4	0.12	0.01	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD13	4	0.12	0.01	0.12
(2,1599)	1:C:137:ARG:H	1:C:136:ASP:HB2	4	0.12	0.02	0.12
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD22	4	0.12	0.01	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD21	4	0.12	0.01	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD23	4	0.12	0.01	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG22	4	0.12	0.0	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG21	4	0.12	0.0	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG23	4	0.12	0.0	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG22	4	0.12	0.0	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG21	4	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG23	4	0.12	0.0	0.12
(2,2043)	1:C:145:ILE:H	1:C:146:LEU:HG	4	0.11	0.0	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG22	4	0.11	0.0	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG21	4	0.11	0.0	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG23	4	0.11	0.0	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG22	4	0.11	0.0	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG21	4	0.11	0.0	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG23	4	0.11	0.0	0.11
(2,1923)	1:C:143:SER:H	1:C:143:SER:HB3	4	0.11	0.0	0.11
(2,1924)	1:D:143:SER:H	1:D:143:SER:HB3	4	0.11	0.0	0.11
(2,2044)	1:D:145:ILE:H	1:D:146:LEU:HG	4	0.11	0.0	0.11
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG21	3	0.57	0.28	0.72
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG22	3	0.57	0.28	0.72
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG23	3	0.57	0.28	0.72
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG21	3	0.56	0.28	0.72
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG22	3	0.56	0.28	0.72
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG23	3	0.56	0.28	0.72
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG21	3	0.56	0.28	0.71
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG22	3	0.56	0.28	0.71
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG23	3	0.56	0.28	0.71
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG21	3	0.55	0.28	0.71
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG22	3	0.55	0.28	0.71
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG23	3	0.55	0.28	0.71
(2,1106)	1:B:142:LEU:HD22	1:B:139:ASP:HB2	3	0.47	0.01	0.48
(2,1106)	1:B:142:LEU:HD21	1:B:139:ASP:HB2	3	0.47	0.01	0.48
(2,1106)	1:B:142:LEU:HD23	1:B:139:ASP:HB2	3	0.47	0.01	0.48
(2,1105)	1:A:142:LEU:HD22	1:A:139:ASP:HB2	3	0.47	0.01	0.47
(2,1105)	1:A:142:LEU:HD21	1:A:139:ASP:HB2	3	0.47	0.01	0.47
(2,1105)	1:A:142:LEU:HD23	1:A:139:ASP:HB2	3	0.47	0.01	0.47
(2,1107)	1:C:142:LEU:HD22	1:C:139:ASP:HB2	3	0.47	0.01	0.47
(2,1107)	1:C:142:LEU:HD21	1:C:139:ASP:HB2	3	0.47	0.01	0.47
(2,1107)	1:C:142:LEU:HD23	1:C:139:ASP:HB2	3	0.47	0.01	0.47
(2,1108)	1:D:142:LEU:HD22	1:D:139:ASP:HB2	3	0.47	0.01	0.47
(2,1108)	1:D:142:LEU:HD21	1:D:139:ASP:HB2	3	0.47	0.01	0.47
(2,1108)	1:D:142:LEU:HD23	1:D:139:ASP:HB2	3	0.47	0.01	0.47
(2,1226)	1:B:144:GLU:HG2	1:B:144:GLU:HA	3	0.46	0.25	0.56
(2,509)	1:A:131:ILE:HD12	1:A:131:ILE:HA	3	0.31	0.02	0.31
(2,509)	1:A:131:ILE:HD11	1:A:131:ILE:HA	3	0.31	0.02	0.31
(2,509)	1:A:131:ILE:HD13	1:A:131:ILE:HA	3	0.31	0.02	0.31
(2,510)	1:B:131:ILE:HD12	1:B:131:ILE:HA	3	0.31	0.02	0.31
(2,510)	1:B:131:ILE:HD11	1:B:131:ILE:HA	3	0.31	0.02	0.31
(2,510)	1:B:131:ILE:HD13	1:B:131:ILE:HA	3	0.31	0.02	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,511)	1:C:131:ILE:HD12	1:C:131:ILE:HA	3	0.31	0.02	0.31
(2,511)	1:C:131:ILE:HD11	1:C:131:ILE:HA	3	0.31	0.02	0.31
(2,511)	1:C:131:ILE:HD13	1:C:131:ILE:HA	3	0.31	0.02	0.31
(2,512)	1:D:131:ILE:HD12	1:D:131:ILE:HA	3	0.31	0.02	0.31
(2,512)	1:D:131:ILE:HD11	1:D:131:ILE:HA	3	0.31	0.02	0.31
(2,512)	1:D:131:ILE:HD13	1:D:131:ILE:HA	3	0.31	0.02	0.31
(2,1125)	1:A:138:ILE:HG22	1:A:142:LEU:HB3	3	0.31	0.08	0.28
(2,1125)	1:A:138:ILE:HG21	1:A:142:LEU:HB3	3	0.31	0.08	0.28
(2,1125)	1:A:138:ILE:HG23	1:A:142:LEU:HB3	3	0.31	0.08	0.28
(2,1126)	1:B:138:ILE:HG22	1:B:142:LEU:HB3	3	0.31	0.08	0.28
(2,1126)	1:B:138:ILE:HG21	1:B:142:LEU:HB3	3	0.31	0.08	0.28
(2,1126)	1:B:138:ILE:HG23	1:B:142:LEU:HB3	3	0.31	0.08	0.28
(2,1127)	1:C:138:ILE:HG22	1:C:142:LEU:HB3	3	0.31	0.08	0.28
(2,1127)	1:C:138:ILE:HG21	1:C:142:LEU:HB3	3	0.31	0.08	0.28
(2,1127)	1:C:138:ILE:HG23	1:C:142:LEU:HB3	3	0.31	0.08	0.28
(2,1128)	1:D:138:ILE:HG22	1:D:142:LEU:HB3	3	0.31	0.08	0.28
(2,1128)	1:D:138:ILE:HG21	1:D:142:LEU:HB3	3	0.31	0.08	0.28
(2,1128)	1:D:138:ILE:HG23	1:D:142:LEU:HB3	3	0.31	0.08	0.28
(2,1501)	1:A:163:ARG:H	1:A:163:ARG:HD2	3	0.31	0.1	0.27
(2,5)	1:A:163:ARG:HD2	1:A:163:ARG:HB3	3	0.24	0.02	0.23
(2,6)	1:B:163:ARG:HD2	1:B:163:ARG:HB3	3	0.24	0.02	0.23
(2,7)	1:C:163:ARG:HD2	1:C:163:ARG:HB3	3	0.24	0.02	0.23
(2,8)	1:D:163:ARG:HD2	1:D:163:ARG:HB3	3	0.24	0.02	0.23
(2,1209)	1:A:145:ILE:HD12	1:A:142:LEU:HB2	3	0.2	0.05	0.18
(2,1209)	1:A:145:ILE:HD11	1:A:142:LEU:HB2	3	0.2	0.05	0.18
(2,1209)	1:A:145:ILE:HD13	1:A:142:LEU:HB2	3	0.2	0.05	0.18
(2,1210)	1:B:145:ILE:HD12	1:B:142:LEU:HB2	3	0.2	0.05	0.18
(2,1210)	1:B:145:ILE:HD11	1:B:142:LEU:HB2	3	0.2	0.05	0.18
(2,1210)	1:B:145:ILE:HD13	1:B:142:LEU:HB2	3	0.2	0.05	0.18
(2,1211)	1:C:145:ILE:HD12	1:C:142:LEU:HB2	3	0.2	0.05	0.18
(2,1211)	1:C:145:ILE:HD11	1:C:142:LEU:HB2	3	0.2	0.05	0.18
(2,1211)	1:C:145:ILE:HD13	1:C:142:LEU:HB2	3	0.2	0.05	0.18
(2,1212)	1:D:145:ILE:HD12	1:D:142:LEU:HB2	3	0.2	0.05	0.18
(2,1212)	1:D:145:ILE:HD11	1:D:142:LEU:HB2	3	0.2	0.05	0.18
(2,1212)	1:D:145:ILE:HD13	1:D:142:LEU:HB2	3	0.2	0.05	0.18
(2,777)	1:A:142:LEU:HD12	1:A:142:LEU:HA	3	0.19	0.02	0.18
(2,777)	1:A:142:LEU:HD11	1:A:142:LEU:HA	3	0.19	0.02	0.18
(2,777)	1:A:142:LEU:HD13	1:A:142:LEU:HA	3	0.19	0.02	0.18
(2,778)	1:B:142:LEU:HD12	1:B:142:LEU:HA	3	0.19	0.02	0.18
(2,778)	1:B:142:LEU:HD11	1:B:142:LEU:HA	3	0.19	0.02	0.18
(2,778)	1:B:142:LEU:HD13	1:B:142:LEU:HA	3	0.19	0.02	0.18
(2,779)	1:C:142:LEU:HD12	1:C:142:LEU:HA	3	0.19	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,779)	1:C:142:LEU:HD11	1:C:142:LEU:HA	3	0.19	0.02	0.18
(2,779)	1:C:142:LEU:HD13	1:C:142:LEU:HA	3	0.19	0.02	0.18
(2,780)	1:D:142:LEU:HD12	1:D:142:LEU:HA	3	0.19	0.02	0.18
(2,780)	1:D:142:LEU:HD11	1:D:142:LEU:HA	3	0.19	0.02	0.18
(2,780)	1:D:142:LEU:HD13	1:D:142:LEU:HA	3	0.19	0.02	0.18
(1,465)	1:A:155:ALA:HB2	1:B:156:SER:HA	3	0.17	0.04	0.17
(1,465)	1:A:155:ALA:HB1	1:B:156:SER:HA	3	0.17	0.04	0.17
(1,465)	1:A:155:ALA:HB3	1:B:156:SER:HA	3	0.17	0.04	0.17
(1,465)	1:A:155:ALA:HB2	1:D:156:SER:HA	3	0.17	0.04	0.17
(1,465)	1:A:155:ALA:HB1	1:D:156:SER:HA	3	0.17	0.04	0.17
(1,465)	1:A:155:ALA:HB3	1:D:156:SER:HA	3	0.17	0.04	0.17
(1,467)	1:C:155:ALA:HB2	1:D:156:SER:HA	3	0.17	0.04	0.17
(1,467)	1:C:155:ALA:HB1	1:D:156:SER:HA	3	0.17	0.04	0.17
(1,467)	1:C:155:ALA:HB3	1:D:156:SER:HA	3	0.17	0.04	0.17
(1,467)	1:C:155:ALA:HB2	1:B:156:SER:HA	3	0.17	0.04	0.17
(1,467)	1:C:155:ALA:HB1	1:B:156:SER:HA	3	0.17	0.04	0.17
(1,467)	1:C:155:ALA:HB3	1:B:156:SER:HA	3	0.17	0.04	0.17
(1,466)	1:B:155:ALA:HB2	1:C:156:SER:HA	3	0.17	0.05	0.16
(1,466)	1:B:155:ALA:HB1	1:C:156:SER:HA	3	0.17	0.05	0.16
(1,466)	1:B:155:ALA:HB3	1:C:156:SER:HA	3	0.17	0.05	0.16
(1,466)	1:B:155:ALA:HB2	1:A:156:SER:HA	3	0.17	0.05	0.16
(1,466)	1:B:155:ALA:HB1	1:A:156:SER:HA	3	0.17	0.05	0.16
(1,466)	1:B:155:ALA:HB3	1:A:156:SER:HA	3	0.17	0.05	0.16
(1,468)	1:D:155:ALA:HB2	1:A:156:SER:HA	3	0.17	0.05	0.16
(1,468)	1:D:155:ALA:HB1	1:A:156:SER:HA	3	0.17	0.05	0.16
(1,468)	1:D:155:ALA:HB3	1:A:156:SER:HA	3	0.17	0.05	0.16
(1,468)	1:D:155:ALA:HB2	1:C:156:SER:HA	3	0.17	0.05	0.16
(1,468)	1:D:155:ALA:HB1	1:C:156:SER:HA	3	0.17	0.05	0.16
(1,468)	1:D:155:ALA:HB3	1:C:156:SER:HA	3	0.17	0.05	0.16
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB2	3	0.16	0.04	0.13
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB1	3	0.16	0.04	0.13
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB3	3	0.16	0.04	0.13
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB2	3	0.16	0.04	0.13
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB1	3	0.16	0.04	0.13
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB3	3	0.16	0.04	0.13
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB2	3	0.16	0.04	0.13
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB1	3	0.16	0.04	0.13
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB3	3	0.16	0.04	0.13
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB2	3	0.15	0.05	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB1	3	0.15	0.05	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB3	3	0.15	0.05	0.12
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG22	3	0.15	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG21	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG23	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG22	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG21	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG23	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG22	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG21	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG23	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG22	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG21	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG23	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG22	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG21	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG23	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG22	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG21	3	0.15	0.02	0.16
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG23	3	0.15	0.02	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG22	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG21	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG23	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG22	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG21	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG23	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG22	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG21	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG23	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG22	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG21	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG23	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG22	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG21	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG23	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG22	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG21	3	0.15	0.01	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG23	3	0.15	0.01	0.16
(2,364)	1:D:140:GLU:HB3	1:D:137:ARG:HA	3	0.15	0.01	0.15
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG22	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG21	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG23	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG22	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG21	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG23	3	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG22	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG21	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG23	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG22	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG21	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG23	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG22	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG21	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG23	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG22	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG21	3	0.14	0.02	0.15
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG23	3	0.14	0.02	0.15
(2,485)	1:A:131:ILE:HG22	1:A:131:ILE:HG13	3	0.14	0.0	0.14
(2,485)	1:A:131:ILE:HG21	1:A:131:ILE:HG13	3	0.14	0.0	0.14
(2,485)	1:A:131:ILE:HG23	1:A:131:ILE:HG13	3	0.14	0.0	0.14
(2,486)	1:B:131:ILE:HG22	1:B:131:ILE:HG13	3	0.14	0.0	0.14
(2,486)	1:B:131:ILE:HG21	1:B:131:ILE:HG13	3	0.14	0.0	0.14
(2,486)	1:B:131:ILE:HG23	1:B:131:ILE:HG13	3	0.14	0.0	0.14
(2,487)	1:C:131:ILE:HG22	1:C:131:ILE:HG13	3	0.14	0.0	0.14
(2,487)	1:C:131:ILE:HG21	1:C:131:ILE:HG13	3	0.14	0.0	0.14
(2,487)	1:C:131:ILE:HG23	1:C:131:ILE:HG13	3	0.14	0.0	0.14
(2,488)	1:D:131:ILE:HG22	1:D:131:ILE:HG13	3	0.14	0.0	0.14
(2,488)	1:D:131:ILE:HG21	1:D:131:ILE:HG13	3	0.14	0.0	0.14
(2,488)	1:D:131:ILE:HG23	1:D:131:ILE:HG13	3	0.14	0.0	0.14
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG22	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG21	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG23	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG22	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG21	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG23	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG22	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG21	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG23	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG22	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG21	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG23	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG22	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG21	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG23	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG22	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG21	3	0.14	0.02	0.13
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG23	3	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1597)	1:A:137:ARG:H	1:A:136:ASP:HB2	3	0.13	0.01	0.13
(2,1598)	1:B:137:ARG:H	1:B:136:ASP:HB2	3	0.13	0.02	0.13
(2,1600)	1:D:137:ARG:H	1:D:136:ASP:HB2	3	0.13	0.02	0.12
(1,7)	1:C:160:THR:HG21	1:B:159:PRO:HB2	3	0.12	0.01	0.12
(1,7)	1:C:160:THR:HG22	1:B:159:PRO:HB2	3	0.12	0.01	0.12
(1,7)	1:C:160:THR:HG23	1:B:159:PRO:HB2	3	0.12	0.01	0.12
(1,7)	1:C:160:THR:HG21	1:D:159:PRO:HB2	3	0.12	0.01	0.12
(1,7)	1:C:160:THR:HG22	1:D:159:PRO:HB2	3	0.12	0.01	0.12
(1,7)	1:C:160:THR:HG23	1:D:159:PRO:HB2	3	0.12	0.01	0.12
(1,151)	1:C:145:ILE:HG22	1:D:146:LEU:HA	3	0.12	0.0	0.12
(1,151)	1:C:145:ILE:HG21	1:D:146:LEU:HA	3	0.12	0.0	0.12
(1,151)	1:C:145:ILE:HG23	1:D:146:LEU:HA	3	0.12	0.0	0.12
(1,151)	1:C:145:ILE:HG22	1:B:146:LEU:HA	3	0.12	0.0	0.12
(1,151)	1:C:145:ILE:HG21	1:B:146:LEU:HA	3	0.12	0.0	0.12
(1,151)	1:C:145:ILE:HG23	1:B:146:LEU:HA	3	0.12	0.0	0.12
(2,1010)	1:B:127:THR:HA	1:B:130:ASN:HB2	3	0.12	0.0	0.12
(2,1009)	1:A:127:THR:HA	1:A:130:ASN:HB2	3	0.11	0.0	0.11
(2,1011)	1:C:127:THR:HA	1:C:130:ASN:HB2	3	0.11	0.0	0.11
(2,1012)	1:D:127:THR:HA	1:D:130:ASN:HB2	3	0.11	0.0	0.11
(2,2041)	1:A:145:ILE:H	1:A:146:LEU:HG	3	0.11	0.0	0.11
(2,2172)	1:D:130:ASN:HD21	1:D:127:THR:HB	2	0.86	0.29	0.86
(2,2169)	1:A:130:ASN:HD21	1:A:127:THR:HB	2	0.86	0.28	0.86
(2,2170)	1:B:130:ASN:HD21	1:B:127:THR:HB	2	0.86	0.29	0.86
(2,2171)	1:C:130:ASN:HD21	1:C:127:THR:HB	2	0.86	0.28	0.86
(2,765)	1:A:145:ILE:HA	1:A:144:GLU:HB2	2	0.74	0.59	0.74
(2,766)	1:B:145:ILE:HA	1:B:144:GLU:HB2	2	0.74	0.59	0.74
(2,767)	1:C:145:ILE:HA	1:C:144:GLU:HB2	2	0.74	0.59	0.74
(2,768)	1:D:145:ILE:HA	1:D:144:GLU:HB2	2	0.74	0.59	0.74
(2,1227)	1:C:144:GLU:HG2	1:C:144:GLU:HA	2	0.62	0.06	0.62
(2,1225)	1:A:144:GLU:HG2	1:A:144:GLU:HA	2	0.62	0.07	0.62
(2,1228)	1:D:144:GLU:HG2	1:D:144:GLU:HA	2	0.62	0.07	0.62
(2,302)	1:B:144:GLU:HG3	1:B:141:LYS:HA	2	0.56	0.02	0.56
(2,304)	1:D:144:GLU:HG3	1:D:141:LYS:HA	2	0.56	0.02	0.56
(2,301)	1:A:144:GLU:HG3	1:A:141:LYS:HA	2	0.56	0.03	0.56
(2,303)	1:C:144:GLU:HG3	1:C:141:LYS:HA	2	0.56	0.03	0.56
(2,1437)	1:A:144:GLU:H	1:A:144:GLU:HG3	2	0.42	0.01	0.42
(2,1438)	1:B:144:GLU:H	1:B:144:GLU:HG3	2	0.42	0.01	0.42
(2,1439)	1:C:144:GLU:H	1:C:144:GLU:HG3	2	0.42	0.01	0.42
(2,1440)	1:D:144:GLU:H	1:D:144:GLU:HG3	2	0.42	0.01	0.42
(2,1173)	1:A:152:LEU:HD12	1:B:156:SER:HB2	2	0.33	0.02	0.33
(2,1173)	1:A:152:LEU:HD11	1:B:156:SER:HB2	2	0.33	0.02	0.33
(2,1173)	1:A:152:LEU:HD13	1:B:156:SER:HB2	2	0.33	0.02	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1174)	1:B:152:LEU:HD12	1:C:156:SER:HB2	2	0.33	0.02	0.33
(2,1174)	1:B:152:LEU:HD11	1:C:156:SER:HB2	2	0.33	0.02	0.33
(2,1174)	1:B:152:LEU:HD13	1:C:156:SER:HB2	2	0.33	0.02	0.33
(2,1175)	1:C:152:LEU:HD12	1:D:156:SER:HB2	2	0.33	0.02	0.33
(2,1175)	1:C:152:LEU:HD11	1:D:156:SER:HB2	2	0.33	0.02	0.33
(2,1175)	1:C:152:LEU:HD13	1:D:156:SER:HB2	2	0.33	0.02	0.33
(2,1176)	1:D:152:LEU:HD12	1:A:156:SER:HB2	2	0.3	0.01	0.3
(2,1176)	1:D:152:LEU:HD11	1:A:156:SER:HB2	2	0.3	0.01	0.3
(2,1176)	1:D:152:LEU:HD13	1:A:156:SER:HB2	2	0.3	0.01	0.3
(2,298)	1:B:144:GLU:HG3	1:B:144:GLU:HB2	2	0.24	0.02	0.24
(2,300)	1:D:144:GLU:HG3	1:D:144:GLU:HB2	2	0.24	0.02	0.24
(2,297)	1:A:144:GLU:HG3	1:A:144:GLU:HB2	2	0.23	0.02	0.23
(2,299)	1:C:144:GLU:HG3	1:C:144:GLU:HB2	2	0.23	0.02	0.23
(2,2085)	1:A:137:ARG:H	1:A:137:ARG:HD3	2	0.21	0.01	0.21
(2,2086)	1:B:137:ARG:H	1:B:137:ARG:HD3	2	0.21	0.01	0.21
(2,2087)	1:C:137:ARG:H	1:C:137:ARG:HD3	2	0.21	0.01	0.21
(2,2088)	1:D:137:ARG:H	1:D:137:ARG:HD3	2	0.21	0.01	0.21
(1,621)	1:A:127:THR:HG21	1:B:127:THR:HA	2	0.21	0.1	0.21
(1,621)	1:A:127:THR:HG22	1:B:127:THR:HA	2	0.21	0.1	0.21
(1,621)	1:A:127:THR:HG23	1:B:127:THR:HA	2	0.21	0.1	0.21
(1,621)	1:A:127:THR:HG21	1:D:127:THR:HA	2	0.21	0.1	0.21
(1,621)	1:A:127:THR:HG22	1:D:127:THR:HA	2	0.21	0.1	0.21
(1,621)	1:A:127:THR:HG23	1:D:127:THR:HA	2	0.21	0.1	0.21
(1,622)	1:B:127:THR:HG21	1:C:127:THR:HA	2	0.2	0.09	0.2
(1,622)	1:B:127:THR:HG22	1:C:127:THR:HA	2	0.2	0.09	0.2
(1,622)	1:B:127:THR:HG23	1:C:127:THR:HA	2	0.2	0.09	0.2
(1,622)	1:B:127:THR:HG21	1:A:127:THR:HA	2	0.2	0.09	0.2
(1,622)	1:B:127:THR:HG22	1:A:127:THR:HA	2	0.2	0.09	0.2
(1,622)	1:B:127:THR:HG23	1:A:127:THR:HA	2	0.2	0.09	0.2
(1,623)	1:C:127:THR:HG21	1:D:127:THR:HA	2	0.2	0.09	0.2
(1,623)	1:C:127:THR:HG22	1:D:127:THR:HA	2	0.2	0.09	0.2
(1,623)	1:C:127:THR:HG23	1:D:127:THR:HA	2	0.2	0.09	0.2
(1,623)	1:C:127:THR:HG21	1:B:127:THR:HA	2	0.2	0.09	0.2
(1,623)	1:C:127:THR:HG22	1:B:127:THR:HA	2	0.2	0.09	0.2
(1,623)	1:C:127:THR:HG23	1:B:127:THR:HA	2	0.2	0.09	0.2
(1,624)	1:D:127:THR:HG21	1:A:127:THR:HA	2	0.2	0.09	0.2
(1,624)	1:D:127:THR:HG22	1:A:127:THR:HA	2	0.2	0.09	0.2
(1,624)	1:D:127:THR:HG23	1:A:127:THR:HA	2	0.2	0.09	0.2
(1,624)	1:D:127:THR:HG21	1:C:127:THR:HA	2	0.2	0.09	0.2
(1,624)	1:D:127:THR:HG22	1:C:127:THR:HA	2	0.2	0.09	0.2
(1,624)	1:D:127:THR:HG23	1:C:127:THR:HA	2	0.2	0.09	0.2
(2,1241)	1:A:137:ARG:HG2	1:A:141:LYS:HE3	2	0.2	0.04	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1242)	1:B:137:ARG:HG2	1:B:141:LYS:HE3	2	0.18	0.04	0.18
(2,1243)	1:C:137:ARG:HG2	1:C:141:LYS:HE3	2	0.18	0.04	0.18
(2,1244)	1:D:137:ARG:HG2	1:D:141:LYS:HE3	2	0.18	0.04	0.18
(1,297)	1:A:146:LEU:HD22	1:D:141:LYS:HE3	2	0.16	0.01	0.16
(1,297)	1:A:146:LEU:HD21	1:D:141:LYS:HE3	2	0.16	0.01	0.16
(1,297)	1:A:146:LEU:HD23	1:D:141:LYS:HE3	2	0.16	0.01	0.16
(1,297)	1:A:146:LEU:HD22	1:C:141:LYS:HE3	2	0.16	0.01	0.16
(1,297)	1:A:146:LEU:HD21	1:C:141:LYS:HE3	2	0.16	0.01	0.16
(1,297)	1:A:146:LEU:HD23	1:C:141:LYS:HE3	2	0.16	0.01	0.16
(1,299)	1:C:146:LEU:HD22	1:B:141:LYS:HE3	2	0.16	0.01	0.16
(1,299)	1:C:146:LEU:HD21	1:B:141:LYS:HE3	2	0.16	0.01	0.16
(1,299)	1:C:146:LEU:HD23	1:B:141:LYS:HE3	2	0.16	0.01	0.16
(1,299)	1:C:146:LEU:HD22	1:A:141:LYS:HE3	2	0.16	0.01	0.16
(1,299)	1:C:146:LEU:HD21	1:A:141:LYS:HE3	2	0.16	0.01	0.16
(1,299)	1:C:146:LEU:HD23	1:A:141:LYS:HE3	2	0.16	0.01	0.16
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG22	2	0.16	0.02	0.16
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG21	2	0.16	0.02	0.16
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG23	2	0.16	0.02	0.16
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG22	2	0.16	0.02	0.16
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG21	2	0.16	0.02	0.16
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG23	2	0.16	0.02	0.16
(2,4)	1:D:163:ARG:HD2	1:D:163:ARG:HB2	2	0.16	0.02	0.16
(1,298)	1:B:146:LEU:HD22	1:A:141:LYS:HE3	2	0.16	0.0	0.16
(1,298)	1:B:146:LEU:HD21	1:A:141:LYS:HE3	2	0.16	0.0	0.16
(1,298)	1:B:146:LEU:HD23	1:A:141:LYS:HE3	2	0.16	0.0	0.16
(1,298)	1:B:146:LEU:HD22	1:D:141:LYS:HE3	2	0.16	0.0	0.16
(1,298)	1:B:146:LEU:HD21	1:D:141:LYS:HE3	2	0.16	0.0	0.16
(1,298)	1:B:146:LEU:HD23	1:D:141:LYS:HE3	2	0.16	0.0	0.16
(1,300)	1:D:146:LEU:HD22	1:C:141:LYS:HE3	2	0.16	0.0	0.16
(1,300)	1:D:146:LEU:HD21	1:C:141:LYS:HE3	2	0.16	0.0	0.16
(1,300)	1:D:146:LEU:HD23	1:C:141:LYS:HE3	2	0.16	0.0	0.16
(1,300)	1:D:146:LEU:HD22	1:B:141:LYS:HE3	2	0.16	0.0	0.16
(1,300)	1:D:146:LEU:HD21	1:B:141:LYS:HE3	2	0.16	0.0	0.16
(1,300)	1:D:146:LEU:HD23	1:B:141:LYS:HE3	2	0.16	0.0	0.16
(2,2)	1:B:163:ARG:HD2	1:B:163:ARG:HB2	2	0.16	0.02	0.16
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG22	2	0.16	0.02	0.16
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG21	2	0.16	0.02	0.16
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG23	2	0.16	0.02	0.16
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG22	2	0.16	0.03	0.16
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG21	2	0.16	0.03	0.16
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG23	2	0.16	0.03	0.16
(2,1)	1:A:163:ARG:HD2	1:A:163:ARG:HB2	2	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3)	1:C:163:ARG:HD2	1:C:163:ARG:HB2	2	0.16	0.02	0.16
(2,2286)	1:B:145:ILE:H	1:B:145:ILE:HG12	2	0.16	0.05	0.16
(2,2287)	1:C:145:ILE:H	1:C:145:ILE:HG12	2	0.16	0.05	0.16
(2,2288)	1:D:145:ILE:H	1:D:145:ILE:HG12	2	0.16	0.05	0.16
(1,15)	1:C:160:THR:HG21	1:D:160:THR:HB	2	0.15	0.01	0.15
(1,15)	1:C:160:THR:HG22	1:D:160:THR:HB	2	0.15	0.01	0.15
(1,15)	1:C:160:THR:HG23	1:D:160:THR:HB	2	0.15	0.01	0.15
(1,15)	1:C:160:THR:HG21	1:B:160:THR:HB	2	0.15	0.01	0.15
(1,15)	1:C:160:THR:HG22	1:B:160:THR:HB	2	0.15	0.01	0.15
(1,15)	1:C:160:THR:HG23	1:B:160:THR:HB	2	0.15	0.01	0.15
(1,662)	1:B:142:LEU:HD22	1:C:141:LYS:HB3	2	0.15	0.02	0.15
(1,662)	1:B:142:LEU:HD21	1:C:141:LYS:HB3	2	0.15	0.02	0.15
(1,662)	1:B:142:LEU:HD23	1:C:141:LYS:HB3	2	0.15	0.02	0.15
(1,662)	1:B:142:LEU:HD22	1:A:141:LYS:HB3	2	0.15	0.02	0.15
(1,662)	1:B:142:LEU:HD21	1:A:141:LYS:HB3	2	0.15	0.02	0.15
(1,662)	1:B:142:LEU:HD23	1:A:141:LYS:HB3	2	0.15	0.02	0.15
(1,663)	1:C:142:LEU:HD22	1:D:141:LYS:HB3	2	0.15	0.02	0.15
(1,663)	1:C:142:LEU:HD21	1:D:141:LYS:HB3	2	0.15	0.02	0.15
(1,663)	1:C:142:LEU:HD23	1:D:141:LYS:HB3	2	0.15	0.02	0.15
(1,663)	1:C:142:LEU:HD22	1:B:141:LYS:HB3	2	0.15	0.02	0.15
(1,663)	1:C:142:LEU:HD21	1:B:141:LYS:HB3	2	0.15	0.02	0.15
(1,663)	1:C:142:LEU:HD23	1:B:141:LYS:HB3	2	0.15	0.02	0.15
(1,13)	1:A:160:THR:HG21	1:B:160:THR:HB	2	0.15	0.0	0.15
(1,13)	1:A:160:THR:HG22	1:B:160:THR:HB	2	0.15	0.0	0.15
(1,13)	1:A:160:THR:HG23	1:B:160:THR:HB	2	0.15	0.0	0.15
(1,13)	1:A:160:THR:HG21	1:D:160:THR:HB	2	0.15	0.0	0.15
(1,13)	1:A:160:THR:HG22	1:D:160:THR:HB	2	0.15	0.0	0.15
(1,13)	1:A:160:THR:HG23	1:D:160:THR:HB	2	0.15	0.0	0.15
(1,14)	1:B:160:THR:HG21	1:C:160:THR:HB	2	0.15	0.0	0.15
(1,14)	1:B:160:THR:HG22	1:C:160:THR:HB	2	0.15	0.0	0.15
(1,14)	1:B:160:THR:HG23	1:C:160:THR:HB	2	0.15	0.0	0.15
(1,14)	1:B:160:THR:HG21	1:A:160:THR:HB	2	0.15	0.0	0.15
(1,14)	1:B:160:THR:HG22	1:A:160:THR:HB	2	0.15	0.0	0.15
(1,14)	1:B:160:THR:HG23	1:A:160:THR:HB	2	0.15	0.0	0.15
(1,661)	1:A:142:LEU:HD22	1:B:141:LYS:HB3	2	0.15	0.02	0.15
(1,661)	1:A:142:LEU:HD21	1:B:141:LYS:HB3	2	0.15	0.02	0.15
(1,661)	1:A:142:LEU:HD23	1:B:141:LYS:HB3	2	0.15	0.02	0.15
(1,661)	1:A:142:LEU:HD22	1:D:141:LYS:HB3	2	0.15	0.02	0.15
(1,661)	1:A:142:LEU:HD21	1:D:141:LYS:HB3	2	0.15	0.02	0.15
(1,661)	1:A:142:LEU:HD23	1:D:141:LYS:HB3	2	0.15	0.02	0.15
(1,5)	1:A:160:THR:HG21	1:D:159:PRO:HB2	2	0.14	0.01	0.14
(1,5)	1:A:160:THR:HG22	1:D:159:PRO:HB2	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)
(1,5)	1:A:160:THR:HG23	1:D:159:PRO:HB2	2	0.14	0.01	0.14
(1,5)	1:A:160:THR:HG21	1:B:159:PRO:HB2	2	0.14	0.01	0.14
(1,5)	1:A:160:THR:HG22	1:B:159:PRO:HB2	2	0.14	0.01	0.14
(1,5)	1:A:160:THR:HG23	1:B:159:PRO:HB2	2	0.14	0.01	0.14
(1,8)	1:D:160:THR:HG21	1:C:159:PRO:HB2	2	0.14	0.01	0.14
(1,8)	1:D:160:THR:HG22	1:C:159:PRO:HB2	2	0.14	0.01	0.14
(1,8)	1:D:160:THR:HG23	1:C:159:PRO:HB2	2	0.14	0.01	0.14
(1,8)	1:D:160:THR:HG21	1:A:159:PRO:HB2	2	0.14	0.01	0.14
(1,8)	1:D:160:THR:HG22	1:A:159:PRO:HB2	2	0.14	0.01	0.14
(1,8)	1:D:160:THR:HG23	1:A:159:PRO:HB2	2	0.14	0.01	0.14
(2,454)	1:B:134:ARG:HA	1:B:134:ARG:HD2	2	0.14	0.01	0.14
(2,455)	1:C:134:ARG:HA	1:C:134:ARG:HD2	2	0.14	0.02	0.14
(2,456)	1:D:134:ARG:HA	1:D:134:ARG:HD2	2	0.14	0.02	0.14
(1,16)	1:D:160:THR:HG21	1:A:160:THR:HB	2	0.14	0.02	0.14
(1,16)	1:D:160:THR:HG22	1:A:160:THR:HB	2	0.14	0.02	0.14
(1,16)	1:D:160:THR:HG23	1:A:160:THR:HB	2	0.14	0.02	0.14
(1,16)	1:D:160:THR:HG21	1:C:160:THR:HB	2	0.14	0.02	0.14
(1,16)	1:D:160:THR:HG22	1:C:160:THR:HB	2	0.14	0.02	0.14
(1,16)	1:D:160:THR:HG23	1:C:160:THR:HB	2	0.14	0.02	0.14
(1,664)	1:D:142:LEU:HD22	1:A:141:LYS:HB3	2	0.14	0.02	0.14
(1,664)	1:D:142:LEU:HD21	1:A:141:LYS:HB3	2	0.14	0.02	0.14
(1,664)	1:D:142:LEU:HD23	1:A:141:LYS:HB3	2	0.14	0.02	0.14
(1,664)	1:D:142:LEU:HD22	1:C:141:LYS:HB3	2	0.14	0.02	0.14
(1,664)	1:D:142:LEU:HD21	1:C:141:LYS:HB3	2	0.14	0.02	0.14
(1,664)	1:D:142:LEU:HD23	1:C:141:LYS:HB3	2	0.14	0.02	0.14
(1,6)	1:B:160:THR:HG21	1:A:159:PRO:HB2	2	0.13	0.01	0.13
(1,6)	1:B:160:THR:HG22	1:A:159:PRO:HB2	2	0.13	0.01	0.13
(1,6)	1:B:160:THR:HG23	1:A:159:PRO:HB2	2	0.13	0.01	0.13
(1,6)	1:B:160:THR:HG21	1:C:159:PRO:HB2	2	0.13	0.01	0.13
(1,6)	1:B:160:THR:HG22	1:C:159:PRO:HB2	2	0.13	0.01	0.13
(1,6)	1:B:160:THR:HG23	1:C:159:PRO:HB2	2	0.13	0.01	0.13
(2,453)	1:A:134:ARG:HA	1:A:134:ARG:HD2	2	0.13	0.01	0.13
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD12	2	0.12	0.02	0.12
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD11	2	0.12	0.02	0.12
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD13	2	0.12	0.02	0.12
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD12	2	0.12	0.02	0.12
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD11	2	0.12	0.02	0.12
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD13	2	0.12	0.02	0.12
(2,1958)	1:B:136:ASP:H	1:B:135:LEU:HB3	2	0.12	0.01	0.12
(2,1959)	1:C:136:ASP:H	1:C:135:LEU:HB3	2	0.12	0.01	0.12
(2,1960)	1:D:136:ASP:H	1:D:135:LEU:HB3	2	0.12	0.01	0.12
(2,81)	1:A:157:ALA:HB2	1:A:153:VAL:HA	2	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,81)	1:A:157:ALA:HB1	1:A:153:VAL:HA	2	0.12	0.0	0.12
(2,81)	1:A:157:ALA:HB3	1:A:153:VAL:HA	2	0.12	0.0	0.12
(2,82)	1:B:157:ALA:HB2	1:B:153:VAL:HA	2	0.12	0.0	0.12
(2,82)	1:B:157:ALA:HB1	1:B:153:VAL:HA	2	0.12	0.0	0.12
(2,82)	1:B:157:ALA:HB3	1:B:153:VAL:HA	2	0.12	0.0	0.12
(2,84)	1:D:157:ALA:HB2	1:D:153:VAL:HA	2	0.12	0.0	0.12
(2,84)	1:D:157:ALA:HB1	1:D:153:VAL:HA	2	0.12	0.0	0.12
(2,84)	1:D:157:ALA:HB3	1:D:153:VAL:HA	2	0.12	0.0	0.12
(2,1957)	1:A:136:ASP:H	1:A:135:LEU:HB3	2	0.12	0.0	0.12
(1,149)	1:A:145:ILE:HG22	1:B:146:LEU:HA	2	0.12	0.0	0.12
(1,149)	1:A:145:ILE:HG21	1:B:146:LEU:HA	2	0.12	0.0	0.12
(1,149)	1:A:145:ILE:HG23	1:B:146:LEU:HA	2	0.12	0.0	0.12
(1,149)	1:A:145:ILE:HG22	1:D:146:LEU:HA	2	0.12	0.0	0.12
(1,149)	1:A:145:ILE:HG21	1:D:146:LEU:HA	2	0.12	0.0	0.12
(1,149)	1:A:145:ILE:HG23	1:D:146:LEU:HA	2	0.12	0.0	0.12
(1,150)	1:B:145:ILE:HG22	1:C:146:LEU:HA	2	0.12	0.0	0.12
(1,150)	1:B:145:ILE:HG21	1:C:146:LEU:HA	2	0.12	0.0	0.12
(1,150)	1:B:145:ILE:HG23	1:C:146:LEU:HA	2	0.12	0.0	0.12
(1,150)	1:B:145:ILE:HG22	1:A:146:LEU:HA	2	0.12	0.0	0.12
(1,150)	1:B:145:ILE:HG21	1:A:146:LEU:HA	2	0.12	0.0	0.12
(1,150)	1:B:145:ILE:HG23	1:A:146:LEU:HA	2	0.12	0.0	0.12
(2,83)	1:C:157:ALA:HB2	1:C:153:VAL:HA	2	0.12	0.0	0.12
(2,83)	1:C:157:ALA:HB1	1:C:153:VAL:HA	2	0.12	0.0	0.12
(2,83)	1:C:157:ALA:HB3	1:C:153:VAL:HA	2	0.12	0.0	0.12
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG12	2	0.12	0.0	0.12
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG11	2	0.12	0.0	0.12
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG13	2	0.12	0.0	0.12
(2,2402)	1:B:131:ILE:H	1:B:134:ARG:H	2	0.12	0.0	0.12
(1,152)	1:D:145:ILE:HG22	1:A:146:LEU:HA	2	0.11	0.0	0.11
(1,152)	1:D:145:ILE:HG21	1:A:146:LEU:HA	2	0.11	0.0	0.11
(1,152)	1:D:145:ILE:HG23	1:A:146:LEU:HA	2	0.11	0.0	0.11
(1,152)	1:D:145:ILE:HG22	1:C:146:LEU:HA	2	0.11	0.0	0.11
(1,152)	1:D:145:ILE:HG21	1:C:146:LEU:HA	2	0.11	0.0	0.11
(1,152)	1:D:145:ILE:HG23	1:C:146:LEU:HA	2	0.11	0.0	0.11
(1,163)	1:C:152:LEU:HD22	1:D:155:ALA:HA	2	0.11	0.0	0.11
(1,163)	1:C:152:LEU:HD21	1:D:155:ALA:HA	2	0.11	0.0	0.11
(1,163)	1:C:152:LEU:HD23	1:D:155:ALA:HA	2	0.11	0.0	0.11
(1,163)	1:C:152:LEU:HD22	1:B:155:ALA:HA	2	0.11	0.0	0.11
(1,163)	1:C:152:LEU:HD21	1:B:155:ALA:HA	2	0.11	0.0	0.11
(1,163)	1:C:152:LEU:HD23	1:B:155:ALA:HA	2	0.11	0.0	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB2	2	0.11	0.0	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB1	2	0.11	0.0	0.11

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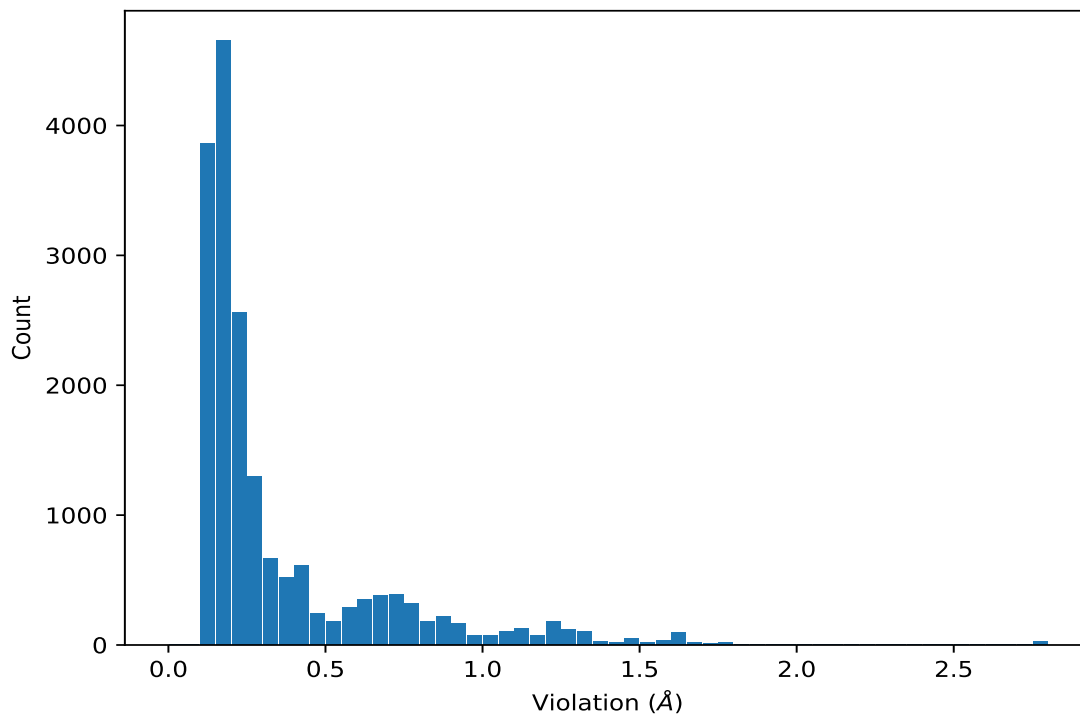
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB3	2	0.11	0.0	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG12	2	0.11	0.0	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG11	2	0.11	0.0	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG13	2	0.11	0.0	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG12	2	0.11	0.0	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG11	2	0.11	0.0	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG13	2	0.11	0.0	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG12	2	0.11	0.0	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG11	2	0.11	0.0	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG13	2	0.11	0.0	0.11
(2,2401)	1:A:131:ILE:H	1:A:134:ARG:H	2	0.11	0.0	0.11
(2,2403)	1:C:131:ILE:H	1:C:134:ARG:H	2	0.11	0.0	0.11
(2,2404)	1:D:131:ILE:H	1:D:134:ARG:H	2	0.11	0.0	0.11

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)
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG21	20	2.8
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG22	20	2.8
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG23	20	2.8
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG21	20	2.8
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG22	20	2.8
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG23	20	2.8
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG21	20	2.79
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG22	20	2.79
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG23	20	2.79
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG21	20	2.79
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG22	20	2.79
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG23	20	2.79
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG21	20	2.79
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG22	20	2.79
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG23	20	2.79
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG21	20	2.79
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG22	20	2.79
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG23	20	2.79
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG21	20	2.79
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG22	20	2.79
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG23	20	2.79
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG21	20	2.79
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG22	20	2.79
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG23	20	2.79
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	8	1.8
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	8	1.8
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	8	1.8
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	8	1.8
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG21	17	1.77
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG22	17	1.77
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG23	17	1.77
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG21	17	1.77
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG22	17	1.77
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG23	17	1.77
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	19	1.76
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	19	1.76
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	19	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG21	17	1.76
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG22	17	1.76
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG23	17	1.76
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG21	17	1.76
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG22	17	1.76
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG23	17	1.76
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	19	1.75
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG21	17	1.75
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG22	17	1.75
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG23	17	1.75
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG21	17	1.75
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG22	17	1.75
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG23	17	1.75
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	17	1.73
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	17	1.73
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	17	1.73
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	17	1.73
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	5	1.73
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	5	1.73
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	5	1.73
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	5	1.73
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG21	17	1.73
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG22	17	1.73
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG23	17	1.73
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG21	17	1.73
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG22	17	1.73
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG23	17	1.73
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	7	1.69
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	7	1.69
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	7	1.69
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	13	1.69
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	13	1.69
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	13	1.69
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	13	1.69
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	7	1.68
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	9	1.66
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	14	1.66
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	9	1.66
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	9	1.66
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	7	1.65
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	7	1.65
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	7	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	14	1.65
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	2	1.65
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	9	1.65
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	14	1.65
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	11	1.65
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	14	1.65
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	7	1.64
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	2	1.64
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	7	1.64
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	11	1.64
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	2	1.64
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	7	1.64
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	11	1.64
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	7	1.64
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	11	1.64
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	2	1.64
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	7	1.64
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	15	1.63
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	15	1.63
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	15	1.63
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	10	1.63
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	10	1.63
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	7	1.63
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	7	1.63
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	18	1.62
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	15	1.62
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	18	1.62
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	18	1.62
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	10	1.62
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	10	1.62
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	4	1.62
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	4	1.62
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	7	1.62
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	10	1.62
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	11	1.62
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	11	1.62
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	7	1.62
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	10	1.62
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	11	1.62
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	10	1.62
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	11	1.62
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	15	1.61
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	15	1.61
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	15	1.61
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	15	1.61
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	18	1.61
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	4	1.61
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	4	1.61
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	2	1.61
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	3	1.61
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	8	1.61
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	15	1.61
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	18	1.61
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	2	1.61
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	8	1.61
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	10	1.61
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	15	1.61
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	18	1.61
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	2	1.61
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	3	1.61
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	8	1.61
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	14	1.61
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	15	1.61
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	18	1.61
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	1	1.61
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	2	1.61
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	3	1.61
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	8	1.61
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	15	1.61
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	18	1.61
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	8	1.61
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	8	1.61
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	8	1.61
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	1	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	4	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	9	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	13	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	14	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	16	1.6
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	20	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	1	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	3	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	4	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	9	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	13	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	14	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	16	1.6
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	20	1.6
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	1	1.6
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	13	1.6
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	16	1.6
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	20	1.6
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	4	1.6
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	9	1.6
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	13	1.6
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	14	1.6
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	16	1.6
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	20	1.6
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	1	1.59
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	1	1.59
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	1	1.59
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	12	1.59
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	12	1.59
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	12	1.59
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	4	1.59
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	9	1.59
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	1	1.58
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	12	1.58
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	6	1.58
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	12	1.58
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	19	1.58
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	6	1.58
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	12	1.58
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	19	1.58
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	6	1.58
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	12	1.58
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	19	1.58
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	12	1.58
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	19	1.58
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	6	1.57
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	2	1.56
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	2	1.56
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	2	1.56
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	2	1.56
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	17	1.56
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	17	1.56
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	17	1.55
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG21	6	1.55
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG22	6	1.55
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG23	6	1.55
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG21	6	1.55
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG22	6	1.55
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG23	6	1.55
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	19	1.53
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	19	1.52
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	19	1.52
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	19	1.52
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG21	6	1.52
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG22	6	1.52
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG23	6	1.52
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG21	6	1.52
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG22	6	1.52
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG23	6	1.52
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	18	1.5
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	18	1.5
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	18	1.5
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	5	1.5
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	5	1.5
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	17	1.5
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	18	1.49
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	15	1.49
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	5	1.49
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	12	1.49
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	5	1.49
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	17	1.49
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	17	1.49
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG21	6	1.49
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG22	6	1.49
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG23	6	1.49
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG21	6	1.49
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG22	6	1.49
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG23	6	1.49
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	16	1.48
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	12	1.48
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	16	1.48
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	15	1.48
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	15	1.48
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	15	1.48
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	12	1.48
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	12	1.48
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	17	1.48
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	17	1.48
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	17	1.48
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	17	1.48
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	12	1.47
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	12	1.47
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	16	1.47
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	12	1.47
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	12	1.47
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	17	1.47
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG21	6	1.47
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG22	6	1.47
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG23	6	1.47
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG21	6	1.47
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG22	6	1.47
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG23	6	1.47
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	10	1.46
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	6	1.46
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	10	1.46
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	10	1.46
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	12	1.46
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	12	1.46
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	12	1.46
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	12	1.46
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	6	1.45
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	6	1.45
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	10	1.45
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	6	1.44
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	2	1.44
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	2	1.44
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	2	1.44
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	2	1.44
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	7	1.43
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	7	1.43
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	18	1.43
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	7	1.43
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	18	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	7	1.43
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	18	1.43
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	18	1.42
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	9	1.42
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	9	1.42
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	9	1.42
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	9	1.42
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	1	1.41
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	1	1.41
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	1	1.41
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	1	1.41
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	2	1.4
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	2	1.39
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	11	1.39
(2,2013)	1:A:151:THR:H	1:A:152:LEU:HB3	5	1.39
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	7	1.38
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	2	1.38
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	2	1.38
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	7	1.37
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	7	1.37
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	7	1.37
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	11	1.37
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	11	1.37
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	13	1.37
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	13	1.37
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	13	1.37
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	19	1.36
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	19	1.36
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	19	1.36
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	16	1.36
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	16	1.36
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	14	1.35
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	14	1.35
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	14	1.35
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	14	1.35
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	19	1.35
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	16	1.35
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	13	1.35
(2,2016)	1:D:151:THR:H	1:D:152:LEU:HB3	5	1.35
(2,2015)	1:C:151:THR:H	1:C:152:LEU:HB3	5	1.35
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	16	1.34
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	8	1.34
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	8	1.34
(2,2014)	1:B:151:THR:H	1:B:152:LEU:HB3	5	1.34
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	6	1.33
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	6	1.33
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	6	1.33
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	6	1.33
(2,768)	1:D:145:ILE:HA	1:D:144:GLU:HB2	17	1.33
(2,767)	1:C:145:ILE:HA	1:C:144:GLU:HB2	17	1.33
(2,766)	1:B:145:ILE:HA	1:B:144:GLU:HB2	17	1.33
(2,765)	1:A:145:ILE:HA	1:A:144:GLU:HB2	17	1.33
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	11	1.33
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	14	1.33
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	1	1.32
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	1	1.32
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	1	1.32
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	1	1.32
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	16	1.32
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	4	1.32
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	4	1.32
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	4	1.32
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	8	1.32
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	14	1.32
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	14	1.32
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	14	1.32
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	3	1.31
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	11	1.31
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	15	1.31
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	20	1.31
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	3	1.31
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	11	1.31
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	15	1.31
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	20	1.31
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	3	1.31
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	15	1.31
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	20	1.31
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	3	1.31
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	15	1.31
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	20	1.31
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	16	1.31
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	16	1.31
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	4	1.31
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	3	1.31
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	3	1.31
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	3	1.31
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	8	1.31
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	8	1.31
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	8	1.31
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	8	1.31
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	8	1.31
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	8	1.31
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	8	1.31
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	8	1.31
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	8	1.31
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	8	1.31
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	8	1.31
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	8	1.31
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	2	1.3
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	8	1.3
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	10	1.3
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	16	1.3
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	2	1.3
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	8	1.3
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	16	1.3
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	2	1.3
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	8	1.3
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	11	1.3
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	16	1.3
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	2	1.3
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	8	1.3
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	10	1.3
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	11	1.3
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	16	1.3
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	1	1.3
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	1	1.3
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	1	1.3
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	1	1.3
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	1	1.3
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	3	1.3
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	1	1.3
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	8	1.3
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	8	1.3
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	17	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	17	1.3
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	17	1.3
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	2	1.3
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	9	1.3
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	14	1.3
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	19	1.3
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	2	1.3
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	9	1.3
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	14	1.3
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	19	1.3
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	2	1.3
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	9	1.3
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	14	1.3
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	19	1.3
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	2	1.3
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	9	1.3
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	14	1.3
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	19	1.3
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	10	1.29
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	10	1.29
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	1	1.29
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	1	1.29
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	8	1.29
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	8	1.29
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	17	1.29
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	17	1.29
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	17	1.29
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	13	1.29
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	13	1.29
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	13	1.29
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	13	1.29
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	18	1.28
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	18	1.28
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	18	1.28
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	18	1.28
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	13	1.28
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	13	1.28
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	13	1.28
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	13	1.28
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	17	1.27
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	17	1.27
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	19	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	19	1.27
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	19	1.27
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	19	1.27
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	18	1.27
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	18	1.27
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	18	1.27
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	18	1.27
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	17	1.27
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	17	1.27
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	17	1.27
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	12	1.26
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	17	1.26
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	12	1.26
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	17	1.26
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	12	1.26
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	12	1.26
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	13	1.26
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	17	1.26
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	17	1.26
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	17	1.26
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	17	1.26
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	9	1.26
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	11	1.26
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	9	1.26
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	11	1.26
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	9	1.26
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	11	1.26
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	9	1.26
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	11	1.26
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	5	1.26
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	5	1.26
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	5	1.26
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	5	1.26
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	5	1.26
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	5	1.26
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	20	1.26
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	20	1.26
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	20	1.26
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	14	1.26
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	14	1.26
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	14	1.26
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	14	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	14	1.26
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	14	1.26
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	14	1.26
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	14	1.26
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	14	1.26
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	14	1.26
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	14	1.26
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	14	1.26
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	1	1.26
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	1	1.26
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	1	1.26
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	1	1.26
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	1	1.26
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	1	1.26
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	1	1.26
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	1	1.26
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	1	1.26
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	1	1.26
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	1	1.26
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	1	1.26
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	13	1.25
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	19	1.25
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	13	1.25
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	19	1.25
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	13	1.25
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	19	1.25
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	19	1.25
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	15	1.25
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	15	1.25
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	18	1.25
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	18	1.25
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	6	1.25
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	5	1.25
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	5	1.25
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	5	1.25
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	17	1.25
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	17	1.25
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	17	1.25
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	5	1.25
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	5	1.25
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	5	1.25
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	15	1.25
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	18	1.25
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	20	1.25
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	11	1.25
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	15	1.25
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	18	1.25
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	11	1.25
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	15	1.25
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	18	1.25
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	11	1.25
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	15	1.25
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	18	1.25
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	15	1.24
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	15	1.24
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	19	1.24
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	19	1.24
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	19	1.24
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	13	1.24
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	18	1.24
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	13	1.24
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	13	1.24
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	13	1.24
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	18	1.24
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	6	1.24
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	6	1.24
(2,2334)	1:B:140:GLU:H	1:B:141:LYS:HG2	3	1.24
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	3	1.24
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	3	1.24
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	8	1.24
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	3	1.24
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	8	1.24
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	3	1.24
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	2	1.24
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	2	1.24
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	2	1.24
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	11	1.24
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	11	1.24
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	11	1.24
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	2	1.24
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	2	1.24
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	2	1.24
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	11	1.24
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	11	1.24
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	2	1.24
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	2	1.24
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	2	1.24
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	11	1.24
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	11	1.24
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	11	1.24
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	2	1.24
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	2	1.24
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	2	1.24
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	11	1.24
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	11	1.24
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	11	1.24
(2,1068)	1:D:133:ALA:HB2	1:D:134:ARG:HD2	19	1.24
(2,1068)	1:D:133:ALA:HB1	1:D:134:ARG:HD2	19	1.24
(2,1068)	1:D:133:ALA:HB3	1:D:134:ARG:HD2	19	1.24
(2,1066)	1:B:133:ALA:HB2	1:B:134:ARG:HD2	19	1.24
(2,1066)	1:B:133:ALA:HB1	1:B:134:ARG:HD2	19	1.24
(2,1066)	1:B:133:ALA:HB3	1:B:134:ARG:HD2	19	1.24
(2,1065)	1:A:133:ALA:HB2	1:A:134:ARG:HD2	19	1.24
(2,1065)	1:A:133:ALA:HB1	1:A:134:ARG:HD2	19	1.24
(2,1065)	1:A:133:ALA:HB3	1:A:134:ARG:HD2	19	1.24
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	4	1.23
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	19	1.23
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	6	1.23
(2,2336)	1:D:140:GLU:H	1:D:141:LYS:HG2	3	1.23
(2,2335)	1:C:140:GLU:H	1:C:141:LYS:HG2	3	1.23
(2,2333)	1:A:140:GLU:H	1:A:141:LYS:HG2	3	1.23
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	9	1.23
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	9	1.23
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	9	1.23
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	9	1.23
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	9	1.23
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	9	1.23
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	9	1.23
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	9	1.23
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	9	1.23
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	9	1.23
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	9	1.23
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	9	1.23
(2,1067)	1:C:133:ALA:HB2	1:C:134:ARG:HD2	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:C:133:ALA:HB1	1:C:134:ARG:HD2	19	1.23
(2,1067)	1:C:133:ALA:HB3	1:C:134:ARG:HD2	19	1.23
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	4	1.22
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	5	1.22
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	4	1.22
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	5	1.22
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	4	1.22
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	5	1.22
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	5	1.22
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	16	1.22
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	16	1.22
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	16	1.22
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	7	1.22
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	7	1.22
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	7	1.22
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	7	1.22
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	8	1.22
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	7	1.22
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	7	1.22
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	7	1.22
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	8	1.22
(2,1066)	1:B:133:ALA:HB2	1:B:134:ARG:HD2	6	1.22
(2,1066)	1:B:133:ALA:HB1	1:B:134:ARG:HD2	6	1.22
(2,1066)	1:B:133:ALA:HB3	1:B:134:ARG:HD2	6	1.22
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	9	1.22
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	9	1.22
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	9	1.22
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	7	1.21
(2,872)	1:D:149:LEU:HB3	1:D:146:LEU:HA	9	1.21
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	7	1.21
(2,871)	1:C:149:LEU:HB3	1:C:146:LEU:HA	9	1.21
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	7	1.21
(2,870)	1:B:149:LEU:HB3	1:B:146:LEU:HA	9	1.21
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	7	1.21
(2,869)	1:A:149:LEU:HB3	1:A:146:LEU:HA	9	1.21
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	7	1.21
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	7	1.21
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	7	1.21
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	7	1.21
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	16	1.21
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	7	1.21
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	6	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	12	1.21
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	16	1.21
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	6	1.21
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	13	1.21
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	16	1.21
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	6	1.21
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	12	1.21
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	16	1.21
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	6	1.21
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	12	1.21
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	16	1.21
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	9	1.21
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	9	1.21
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	9	1.21
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	14	1.21
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	14	1.21
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	14	1.21
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	14	1.21
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	14	1.21
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	14	1.21
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	9	1.21
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	9	1.21
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	9	1.21
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	14	1.21
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	14	1.21
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	14	1.21
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	9	1.21
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	9	1.21
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	9	1.21
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	14	1.21
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	14	1.21
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	14	1.21
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	11	1.2
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	11	1.2
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	11	1.2
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	4	1.2
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	13	1.2
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	17	1.2
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	4	1.2
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	12	1.2
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	17	1.2
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	13	1.2
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	17	1.2
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	4	1.2
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	13	1.2
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	17	1.2
(2,1068)	1:D:133:ALA:HB2	1:D:134:ARG:HD2	6	1.2
(2,1068)	1:D:133:ALA:HB1	1:D:134:ARG:HD2	6	1.2
(2,1068)	1:D:133:ALA:HB3	1:D:134:ARG:HD2	6	1.2
(2,1067)	1:C:133:ALA:HB2	1:C:134:ARG:HD2	6	1.2
(2,1067)	1:C:133:ALA:HB1	1:C:134:ARG:HD2	6	1.2
(2,1067)	1:C:133:ALA:HB3	1:C:134:ARG:HD2	6	1.2
(2,1065)	1:A:133:ALA:HB2	1:A:134:ARG:HD2	6	1.2
(2,1065)	1:A:133:ALA:HB1	1:A:134:ARG:HD2	6	1.2
(2,1065)	1:A:133:ALA:HB3	1:A:134:ARG:HD2	6	1.2
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	4	1.2
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	4	1.2
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	4	1.2
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	4	1.2
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	4	1.2
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	4	1.2
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	4	1.2
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	4	1.2
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	4	1.2
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	4	1.2
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	4	1.2
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	4	1.2
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	2	1.19
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	2	1.19
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	20	1.19
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	20	1.19
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	11	1.19
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	11	1.19
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	11	1.19
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	2	1.18
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	2	1.18
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	19	1.18
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	11	1.18
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	11	1.18
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	11	1.18
(2,1140)	1:D:131:ILE:HG22	1:D:135:LEU:HB3	7	1.18
(2,1140)	1:D:131:ILE:HG21	1:D:135:LEU:HB3	7	1.18
(2,1140)	1:D:131:ILE:HG23	1:D:135:LEU:HB3	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1139)	1:C:131:ILE:HG22	1:C:135:LEU:HB3	7	1.18
(2,1139)	1:C:131:ILE:HG21	1:C:135:LEU:HB3	7	1.18
(2,1139)	1:C:131:ILE:HG23	1:C:135:LEU:HB3	7	1.18
(2,1138)	1:B:131:ILE:HG22	1:B:135:LEU:HB3	7	1.18
(2,1138)	1:B:131:ILE:HG21	1:B:135:LEU:HB3	7	1.18
(2,1138)	1:B:131:ILE:HG23	1:B:135:LEU:HB3	7	1.18
(2,1137)	1:A:131:ILE:HG22	1:A:135:LEU:HB3	7	1.18
(2,1137)	1:A:131:ILE:HG21	1:A:135:LEU:HB3	7	1.18
(2,1137)	1:A:131:ILE:HG23	1:A:135:LEU:HB3	7	1.18
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	12	1.17
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	19	1.17
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	12	1.17
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	19	1.17
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	12	1.17
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	19	1.17
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	8	1.17
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	12	1.17
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	11	1.17
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	11	1.17
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	11	1.17
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	11	1.17
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	11	1.17
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	11	1.17
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	8	1.16
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	8	1.16
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	8	1.16
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	8	1.16
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	8	1.16
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	8	1.16
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	8	1.16
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	10	1.16
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	10	1.16
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	10	1.16
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	10	1.16
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	11	1.16
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	11	1.16
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	11	1.16
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	11	1.16
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	11	1.16
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	11	1.16
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	8	1.15
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	8	1.15
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	8	1.15
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	8	1.15
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	8	1.15
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	19	1.15
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	19	1.15
(2,2172)	1:D:130:ASN:HD21	1:D:127:THR:HB	16	1.15
(2,2170)	1:B:130:ASN:HD21	1:B:127:THR:HB	16	1.15
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	8	1.15
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	8	1.15
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	11	1.15
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	11	1.15
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	11	1.15
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	19	1.14
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	19	1.14
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	20	1.14
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	10	1.14
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	20	1.14
(2,2171)	1:C:130:ASN:HD21	1:C:127:THR:HB	16	1.14
(2,2169)	1:A:130:ASN:HD21	1:A:127:THR:HB	16	1.14
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	11	1.14
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	11	1.14
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	11	1.14
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	11	1.14
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	8	1.14
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	8	1.14
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	8	1.14
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	2	1.14
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	2	1.14
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	2	1.14
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	2	1.14
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	2	1.14
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	2	1.14
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	2	1.14
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	2	1.14
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	2	1.14
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	2	1.14
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	2	1.14
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	2	1.14
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	14	1.14
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	14	1.14
(2,831)	1:C:140:GLU:HG2	1:C:136:ASP:HA	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:B:140:GLU:HG2	1:B:136:ASP:HA	5	1.13
(2,829)	1:A:140:GLU:HG2	1:A:136:ASP:HA	5	1.13
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	8	1.13
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	8	1.13
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	8	1.13
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	8	1.13
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	10	1.13
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	10	1.13
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	14	1.13
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	14	1.13
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	8	1.13
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	8	1.13
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	8	1.13
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	8	1.13
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	8	1.13
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	8	1.13
(2,1154)	1:B:129:ASP:HA	1:B:128:ASN:HB2	5	1.13
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	14	1.13
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	14	1.13
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	14	1.13
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	14	1.13
(2,832)	1:D:140:GLU:HG2	1:D:136:ASP:HA	5	1.12
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	1	1.12
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	1	1.12
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	1	1.12
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	13	1.12
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	13	1.12
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	15	1.12
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	10	1.12
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	5	1.12
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	15	1.12
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	8	1.12
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	8	1.12
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	8	1.12
(2,1156)	1:D:129:ASP:HA	1:D:128:ASN:HB2	5	1.12
(2,1155)	1:C:129:ASP:HA	1:C:128:ASN:HB2	5	1.12
(2,1153)	1:A:129:ASP:HA	1:A:128:ASN:HB2	5	1.12
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	3	1.12
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	3	1.12
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	3	1.12
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	14	1.12
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	1	1.11
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	13	1.11
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	13	1.11
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	15	1.11
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	15	1.11
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	15	1.11
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	5	1.11
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	20	1.11
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	2	1.11
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	10	1.11
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	16	1.11
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	3	1.11
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	3	1.11
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	3	1.11
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	3	1.11
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	3	1.11
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	3	1.11
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	3	1.11
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	3	1.11
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	3	1.11
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	3	1.1
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	3	1.1
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	3	1.1
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	3	1.1
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	2	1.1
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	5	1.1
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	10	1.1
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	15	1.1
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	16	1.1
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	20	1.1
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	2	1.1
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	10	1.1
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	15	1.1
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	16	1.1
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	20	1.1
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	2	1.1
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	5	1.1
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	15	1.1
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	16	1.1
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	1	1.1
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	20	1.1
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	19	1.1
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	19	1.1
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	19	1.1
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	19	1.1
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	19	1.1
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	19	1.1
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	19	1.1
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	19	1.1
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	19	1.1
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	19	1.1
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	19	1.1
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	16	1.09
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	16	1.09
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	16	1.09
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	16	1.09
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	14	1.09
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	14	1.09
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	1	1.09
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	1	1.09
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	9	1.09
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	1	1.09
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	9	1.09
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	10	1.09
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	13	1.09
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	12	1.08
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	12	1.08
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	14	1.08
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	14	1.08
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	17	1.08
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	17	1.08
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	14	1.08
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	14	1.08
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	9	1.08
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	13	1.08
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	3	1.08
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	6	1.08
(2,2045)	1:A:144:GLU:H	1:A:145:ILE:HG12	9	1.08
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	12	1.08
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	12	1.08
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	12	1.08
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	12	1.08
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	12	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	12	1.08
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	12	1.08
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	12	1.08
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	12	1.08
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	19	1.07
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	19	1.07
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	13	1.07
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	12	1.07
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	12	1.07
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	10	1.07
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	10	1.07
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	10	1.07
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	10	1.07
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	17	1.07
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	17	1.07
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	3	1.07
(2,2048)	1:D:144:GLU:H	1:D:145:ILE:HG12	6	1.07
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	3	1.07
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	6	1.07
(2,2047)	1:C:144:GLU:H	1:C:145:ILE:HG12	13	1.07
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	3	1.07
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	6	1.07
(2,2046)	1:B:144:GLU:H	1:B:145:ILE:HG12	13	1.07
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	12	1.07
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	12	1.07
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	12	1.07
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG21	7	1.07
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG22	7	1.07
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG23	7	1.07
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG21	7	1.07
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG22	7	1.07
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG23	7	1.07
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG21	7	1.07
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG22	7	1.07
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG23	7	1.07
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG21	7	1.07
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG22	7	1.07
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG23	7	1.07
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG21	7	1.07
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG22	7	1.07
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG23	7	1.07
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG21	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG22	7	1.07
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG23	7	1.07
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	19	1.06
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	7	1.06
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	7	1.06
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	7	1.06
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG21	7	1.06
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG22	7	1.06
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG23	7	1.06
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG21	7	1.06
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG22	7	1.06
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG23	7	1.06
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	19	1.05
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	13	1.05
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	1	1.05
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	2	1.05
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	13	1.05
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	13	1.05
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	1	1.05
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	2	1.05
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	18	1.05
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	18	1.05
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	13	1.05
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	13	1.05
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	13	1.05
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	13	1.05
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	7	1.05
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	7	1.05
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	7	1.05
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	9	1.04
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	9	1.04
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	9	1.04
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	9	1.04
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	9	1.04
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	9	1.04
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	13	1.04
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	13	1.04
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	13	1.04
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	1	1.04
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	2	1.04
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	1	1.04
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	13	1.04
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	13	1.04
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	18	1.04
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	18	1.04
(2,2340)	1:D:139:ASP:H	1:D:140:GLU:HG2	5	1.04
(2,2339)	1:C:139:ASP:H	1:C:140:GLU:HG2	5	1.04
(2,2338)	1:B:139:ASP:H	1:B:140:GLU:HG2	5	1.04
(2,2337)	1:A:139:ASP:H	1:A:140:GLU:HG2	5	1.04
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	7	1.04
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	7	1.04
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	7	1.04
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	7	1.04
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	7	1.04
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	7	1.04
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	9	1.03
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	9	1.03
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	9	1.03
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	9	1.03
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	9	1.03
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	9	1.03
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	13	1.03
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	13	1.03
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	13	1.03
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG21	8	1.03
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG22	8	1.03
(1,647)	1:C:161:SER:HB3	1:D:160:THR:HG23	8	1.03
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG21	8	1.03
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG22	8	1.03
(1,647)	1:C:161:SER:HB3	1:B:160:THR:HG23	8	1.03
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG21	8	1.03
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG22	8	1.03
(1,645)	1:A:161:SER:HB3	1:B:160:THR:HG23	8	1.03
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG21	8	1.03
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG22	8	1.03
(1,645)	1:A:161:SER:HB3	1:D:160:THR:HG23	8	1.03
(2,914)	1:B:145:ILE:HD12	1:B:144:GLU:HB2	17	1.02
(2,914)	1:B:145:ILE:HD11	1:B:144:GLU:HB2	17	1.02
(2,914)	1:B:145:ILE:HD13	1:B:144:GLU:HB2	17	1.02
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	18	1.02
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	18	1.02
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	18	1.02
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	18	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	18	1.02
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	18	1.02
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	18	1.02
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	18	1.02
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	18	1.02
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	18	1.02
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	18	1.02
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	18	1.02
(2,916)	1:D:145:ILE:HD12	1:D:144:GLU:HB2	17	1.01
(2,916)	1:D:145:ILE:HD11	1:D:144:GLU:HB2	17	1.01
(2,916)	1:D:145:ILE:HD13	1:D:144:GLU:HB2	17	1.01
(2,915)	1:C:145:ILE:HD12	1:C:144:GLU:HB2	17	1.01
(2,915)	1:C:145:ILE:HD11	1:C:144:GLU:HB2	17	1.01
(2,915)	1:C:145:ILE:HD13	1:C:144:GLU:HB2	17	1.01
(2,913)	1:A:145:ILE:HD12	1:A:144:GLU:HB2	17	1.01
(2,913)	1:A:145:ILE:HD11	1:A:144:GLU:HB2	17	1.01
(2,913)	1:A:145:ILE:HD13	1:A:144:GLU:HB2	17	1.01
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	3	1.01
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	3	1.0
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	3	1.0
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	3	1.0
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	17	0.99
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	17	0.99
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	17	0.99
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	17	0.99
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG21	8	0.99
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG22	8	0.99
(1,648)	1:D:161:SER:HB3	1:A:160:THR:HG23	8	0.99
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG21	8	0.99
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG22	8	0.99
(1,648)	1:D:161:SER:HB3	1:C:160:THR:HG23	8	0.99
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	11	0.98
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	11	0.98
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	11	0.98
(2,795)	1:C:137:ARG:HG2	1:C:140:GLU:HB2	10	0.98
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	10	0.98
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	5	0.98
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG21	8	0.98
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG22	8	0.98
(1,646)	1:B:161:SER:HB3	1:C:160:THR:HG23	8	0.98
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG21	8	0.98
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG22	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:B:161:SER:HB3	1:A:160:THR:HG23	8	0.98
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	11	0.97
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	11	0.97
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	11	0.97
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	11	0.97
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	11	0.97
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	11	0.97
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	11	0.97
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	11	0.97
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	11	0.97
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	7	0.97
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	7	0.97
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	7	0.97
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	7	0.97
(2,796)	1:D:137:ARG:HG2	1:D:140:GLU:HB2	10	0.97
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	10	0.97
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	18	0.97
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	18	0.97
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	18	0.97
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	5	0.97
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	5	0.97
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	3	0.97
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	3	0.97
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	3	0.97
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	18	0.96
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	5	0.96
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	3	0.96
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	3	0.96
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	3	0.96
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	3	0.96
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	3	0.96
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	3	0.96
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	3	0.96
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	3	0.96
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	3	0.96
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	9	0.96
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	9	0.96
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	9	0.96
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	12	0.95
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	12	0.95
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	12	0.95
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	9	0.95
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	9	0.95
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	9	0.95
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	9	0.95
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	9	0.95
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	9	0.95
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	9	0.95
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	9	0.95
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	18	0.94
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	18	0.94
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	18	0.94
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	11	0.94
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	11	0.94
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	11	0.94
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	11	0.94
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	12	0.94
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	12	0.94
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	12	0.94
(2,1180)	1:D:150:HIS:HB2	1:D:147:GLY:HA3	5	0.94
(2,1178)	1:B:150:HIS:HB2	1:B:147:GLY:HA3	5	0.94
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	13	0.94
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	13	0.94
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	13	0.94
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	18	0.93
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	12	0.93
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	12	0.93
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	20	0.93
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	20	0.93
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	20	0.93
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	20	0.93
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	12	0.93
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	12	0.93
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	12	0.93
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	14	0.93
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	14	0.93
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	14	0.93
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	12	0.93
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	12	0.93
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	12	0.93
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	6	0.93
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	6	0.93
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	20	0.93
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	20	0.93
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	20	0.93
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	20	0.93
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	20	0.93
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	20	0.93
(2,1179)	1:C:150:HIS:HB2	1:C:147:GLY:HA3	5	0.93
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	13	0.93
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	13	0.93
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	13	0.93
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	13	0.93
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	13	0.93
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	13	0.93
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	12	0.92
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	12	0.92
(2,2146)	1:B:137:ARG:H	1:B:140:GLU:HG2	5	0.92
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	2	0.92
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	2	0.92
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	2	0.92
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	2	0.92
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	14	0.92
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	14	0.92
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	14	0.92
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	20	0.92
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	20	0.92
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	20	0.92
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	6	0.92
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	6	0.92
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	6	0.92
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	20	0.92
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	20	0.92
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	20	0.92
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	6	0.92
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	6	0.92
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	6	0.92
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	6	0.92
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	6	0.92
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	6	0.92
(2,1177)	1:A:150:HIS:HB2	1:A:147:GLY:HA3	5	0.92
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	13	0.92
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	13	0.92
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	18	0.91
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	18	0.91
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	18	0.91
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	18	0.91
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	18	0.91
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	18	0.91
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	18	0.91
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	18	0.91
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	18	0.91
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	17	0.91
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	17	0.91
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	17	0.91
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	10	0.91
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	10	0.91
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	10	0.91
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	10	0.91
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	7	0.91
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	7	0.91
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	7	0.91
(2,2148)	1:D:137:ARG:H	1:D:140:GLU:HG2	5	0.91
(2,2147)	1:C:137:ARG:H	1:C:140:GLU:HG2	5	0.91
(2,2145)	1:A:137:ARG:H	1:A:140:GLU:HG2	5	0.91
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	2	0.91
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	2	0.91
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	2	0.91
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	2	0.91
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	14	0.91
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	14	0.91
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	14	0.91
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	11	0.91
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	11	0.91
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	11	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	11	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	11	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	11	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	14	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	14	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	14	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	18	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	18	0.91
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	18	0.91
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	14	0.91
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	14	0.91
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	14	0.91
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	14	0.91
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	14	0.91
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	16	0.91
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	16	0.91
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	16	0.91
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	18	0.9
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	18	0.9
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	18	0.9
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	17	0.9
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	7	0.9
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	14	0.9
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	14	0.9
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	14	0.9
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	8	0.9
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	8	0.9
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	8	0.9
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	11	0.9
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	11	0.9
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	11	0.9
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	18	0.9
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	18	0.9
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	18	0.9
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	3	0.9
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	3	0.9
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	3	0.9
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	3	0.9
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	3	0.9
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	3	0.9
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	3	0.9
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	3	0.9
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	3	0.9
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	3	0.9
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	3	0.9
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	3	0.9
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	16	0.9
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	16	0.9
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	16	0.9
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	16	0.9
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	16	0.9
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	16	0.9
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	16	0.9
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	16	0.9
(2,728)	1:D:162:ALA:HB2	1:D:158:GLY:HA2	15	0.89
(2,728)	1:D:162:ALA:HB1	1:D:158:GLY:HA2	15	0.89
(2,728)	1:D:162:ALA:HB3	1:D:158:GLY:HA2	15	0.89
(2,727)	1:C:162:ALA:HB2	1:C:158:GLY:HA2	15	0.89
(2,727)	1:C:162:ALA:HB1	1:C:158:GLY:HA2	15	0.89
(2,727)	1:C:162:ALA:HB3	1:C:158:GLY:HA2	15	0.89
(2,726)	1:B:162:ALA:HB2	1:B:158:GLY:HA2	15	0.89
(2,726)	1:B:162:ALA:HB1	1:B:158:GLY:HA2	15	0.89
(2,726)	1:B:162:ALA:HB3	1:B:158:GLY:HA2	15	0.89
(2,725)	1:A:162:ALA:HB2	1:A:158:GLY:HA2	15	0.89
(2,725)	1:A:162:ALA:HB1	1:A:158:GLY:HA2	15	0.89
(2,725)	1:A:162:ALA:HB3	1:A:158:GLY:HA2	15	0.89
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	1	0.89
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	17	0.89
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	17	0.89
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	17	0.89
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	17	0.89
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	18	0.89
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	18	0.89
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	18	0.89
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	11	0.89
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	11	0.89
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	11	0.89
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	2	0.89
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	2	0.89
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	2	0.89
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	7	0.89
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	7	0.89
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	7	0.89
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	20	0.88
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	20	0.88
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	20	0.88
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	20	0.88
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	20	0.88
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	20	0.88
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	20	0.88
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	20	0.88
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	20	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	1	0.88
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	1	0.88
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	1	0.88
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	14	0.88
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	14	0.88
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	14	0.88
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	8	0.88
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	8	0.88
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	8	0.88
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	7	0.88
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	7	0.88
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	7	0.88
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	7	0.88
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	7	0.88
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	7	0.88
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	14	0.88
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	14	0.88
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	14	0.88
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	14	0.88
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	14	0.88
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	14	0.88
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	14	0.88
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	14	0.88
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	14	0.88
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	14	0.88
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	14	0.88
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	14	0.88
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	2	0.88
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	2	0.88
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	2	0.88
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	2	0.88
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	2	0.88
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	2	0.88
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	7	0.88
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	7	0.88
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	7	0.88
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	6	0.88
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	6	0.88
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	6	0.88
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	6	0.88
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	6	0.88
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	7	0.88
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	7	0.88
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	7	0.88
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	7	0.88
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	7	0.88
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	7	0.88
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	6	0.87
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	6	0.87
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	6	0.87
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	20	0.87
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	20	0.87
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	20	0.87
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	6	0.87
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	6	0.87
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	6	0.87
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	6	0.87
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	6	0.87
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	6	0.87
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	6	0.87
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	6	0.87
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	6	0.87
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	8	0.87
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	8	0.87
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	8	0.87
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	8	0.87
(2,136)	1:D:153:VAL:HA	1:D:156:SER:HB2	8	0.87
(2,135)	1:C:153:VAL:HA	1:C:156:SER:HB2	8	0.87
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	7	0.87
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	7	0.87
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	7	0.87
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	19	0.87
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	19	0.87
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	19	0.87
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	8	0.87
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	8	0.87
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	8	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	10	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	10	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	10	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	18	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	18	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	19	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	19	0.87
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	19	0.87
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	7	0.87
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	7	0.87
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	7	0.87
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	8	0.87
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	8	0.87
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	8	0.87
(2,134)	1:B:153:VAL:HA	1:B:156:SER:HB2	8	0.87
(2,133)	1:A:153:VAL:HA	1:A:156:SER:HB2	8	0.87
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	2	0.87
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	2	0.87
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	2	0.87
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	15	0.87
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	15	0.87
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	15	0.87
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	6	0.87
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	6	0.87
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	6	0.87
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	6	0.87
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	6	0.87
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	6	0.87
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	9	0.86
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	9	0.86
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	14	0.86
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	9	0.86
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	14	0.86
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	9	0.86
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	14	0.86
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	12	0.86
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	12	0.86
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	12	0.86
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	12	0.86
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	12	0.86
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	12	0.86
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	12	0.86
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	12	0.86
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	12	0.86
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	15	0.86
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	15	0.86
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	15	0.86
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	15	0.86
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	15	0.86
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	10	0.86
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	10	0.86
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	10	0.86
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	15	0.86
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	15	0.86
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	15	0.86
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	10	0.86
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	10	0.86
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	10	0.86
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	14	0.85
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	16	0.85
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	19	0.85
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	19	0.85
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	19	0.85
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	19	0.85
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	8	0.85
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	8	0.85
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	8	0.85
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	8	0.85
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	8	0.85
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	8	0.85
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	8	0.85
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	8	0.85
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	8	0.85
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	8	0.85
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	8	0.85
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	8	0.85
(2,136)	1:D:153:VAL:HA	1:D:156:SER:HB2	13	0.85
(2,135)	1:C:153:VAL:HA	1:C:156:SER:HB2	13	0.85
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	19	0.85
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	19	0.85
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	19	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	12	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	12	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	12	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	19	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	19	0.85
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	19	0.85
(2,134)	1:B:153:VAL:HA	1:B:156:SER:HB2	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	10	0.85
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	10	0.85
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	10	0.85
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	10	0.85
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	10	0.85
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	10	0.85
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	11	0.85
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	11	0.85
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	18	0.85
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	18	0.85
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	9	0.84
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	9	0.84
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	9	0.84
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	14	0.84
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	14	0.84
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	14	0.84
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	16	0.84
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	16	0.84
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	16	0.84
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	7	0.84
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	12	0.84
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	7	0.84
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	12	0.84
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	7	0.84
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	12	0.84
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	7	0.84
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	12	0.84
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	7	0.84
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	7	0.84
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	7	0.84
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	7	0.84
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	7	0.84
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	7	0.84
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	7	0.84
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	7	0.84
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	7	0.84
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	16	0.84
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	16	0.84
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	16	0.84
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	10	0.84
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	10	0.84
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	17	0.84
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	17	0.84
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	17	0.84
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	17	0.84
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	17	0.84
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	17	0.84
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	17	0.84
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	17	0.84
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	17	0.84
(2,133)	1:A:153:VAL:HA	1:A:156:SER:HB2	13	0.84
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	18	0.84
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	18	0.84
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	18	0.84
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	18	0.84
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	11	0.84
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	11	0.84
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	18	0.84
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	18	0.84
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	14	0.83
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	14	0.83
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	14	0.83
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	9	0.83
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	9	0.83
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	9	0.83
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	14	0.83
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	14	0.83
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	14	0.83
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	9	0.83
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	9	0.83
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	9	0.83
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	14	0.83
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	14	0.83
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	14	0.83
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	9	0.83
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	9	0.83
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	9	0.83
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	10	0.83
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	10	0.83
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	7	0.83
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	7	0.83
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	7	0.83
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	16	0.83
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	16	0.83
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	16	0.83
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	16	0.83
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	16	0.83
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	16	0.83
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	16	0.83
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	16	0.83
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	10	0.83
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	10	0.83
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	10	0.83
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	17	0.83
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	17	0.83
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	17	0.83
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	11	0.82
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	10	0.82
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	11	0.82
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	10	0.82
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	11	0.82
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	11	0.82
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	10	0.82
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	10	0.82
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	10	0.82
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	6	0.82
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	6	0.82
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	6	0.82
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	6	0.82
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	6	0.82
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	6	0.82
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	11	0.82
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	11	0.82
(2,728)	1:D:162:ALA:HB2	1:D:158:GLY:HA2	6	0.81
(2,728)	1:D:162:ALA:HB1	1:D:158:GLY:HA2	6	0.81
(2,728)	1:D:162:ALA:HB3	1:D:158:GLY:HA2	6	0.81
(2,727)	1:C:162:ALA:HB2	1:C:158:GLY:HA2	6	0.81
(2,727)	1:C:162:ALA:HB1	1:C:158:GLY:HA2	6	0.81
(2,727)	1:C:162:ALA:HB3	1:C:158:GLY:HA2	6	0.81
(2,726)	1:B:162:ALA:HB2	1:B:158:GLY:HA2	6	0.81
(2,726)	1:B:162:ALA:HB1	1:B:158:GLY:HA2	6	0.81
(2,726)	1:B:162:ALA:HB3	1:B:158:GLY:HA2	6	0.81
(2,725)	1:A:162:ALA:HB2	1:A:158:GLY:HA2	6	0.81
(2,725)	1:A:162:ALA:HB1	1:A:158:GLY:HA2	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,725)	1:A:162:ALA:HB3	1:A:158:GLY:HA2	6	0.81
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	19	0.81
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	19	0.81
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	19	0.81
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG21	8	0.81
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG22	8	0.81
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG23	8	0.81
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	5	0.81
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	5	0.81
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	5	0.81
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	6	0.81
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	6	0.81
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	6	0.81
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	6	0.81
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	6	0.81
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	6	0.81
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	6	0.8
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	6	0.8
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	6	0.8
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	6	0.8
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	6	0.8
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	6	0.8
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	15	0.8
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	15	0.8
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	15	0.8
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	6	0.8
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	6	0.8
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	6	0.8
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	15	0.8
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	15	0.8
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	15	0.8
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	19	0.8
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	19	0.8
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	19	0.8
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	2	0.8
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	2	0.8
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	2	0.8
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	19	0.8
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	19	0.8
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	19	0.8
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	19	0.8
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	19	0.8
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG21	8	0.8
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG22	8	0.8
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG23	8	0.8
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG21	8	0.8
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG22	8	0.8
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG23	8	0.8
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	5	0.8
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	5	0.8
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	5	0.8
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	5	0.8
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	5	0.8
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	5	0.8
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	3	0.8
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	3	0.8
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	3	0.8
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	7	0.8
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	7	0.8
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	7	0.8
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	7	0.8
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	7	0.8
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	7	0.8
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	15	0.79
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	15	0.79
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	15	0.79
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	15	0.79
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	6	0.79
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	6	0.79
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	6	0.79
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	15	0.79
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	15	0.79
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	15	0.79
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	9	0.79
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	9	0.79
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	9	0.79
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	9	0.79
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	1	0.79
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	1	0.79
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	1	0.79
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	2	0.79
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	2	0.79
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	6	0.79
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	6	0.79
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	6	0.79
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	1	0.79
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	1	0.79
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	1	0.79
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	5	0.79
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	5	0.79
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	5	0.79
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	6	0.79
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	6	0.79
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	6	0.79
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	1	0.79
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	1	0.79
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	1	0.79
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	2	0.79
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	2	0.79
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	2	0.79
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	5	0.79
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	5	0.79
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	5	0.79
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	6	0.79
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	6	0.79
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	6	0.79
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	2	0.79
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	2	0.79
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	2	0.79
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	5	0.79
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	5	0.79
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	5	0.79
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	6	0.79
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	6	0.79
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	6	0.79
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG21	8	0.79
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG22	8	0.79
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG23	8	0.79
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	5	0.79
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	5	0.79
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	5	0.79
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	12	0.79
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	12	0.79
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	3	0.79
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	3	0.79
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	3	0.79
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	3	0.79
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	3	0.79
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	3	0.79
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	12	0.79
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	12	0.79
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	12	0.79
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	3	0.79
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	3	0.79
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	3	0.79
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	7	0.79
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	7	0.79
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	7	0.79
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	7	0.79
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	7	0.79
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	7	0.79
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	15	0.78
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	15	0.78
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	15	0.78
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	20	0.78
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	20	0.78
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	20	0.78
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	20	0.78
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	20	0.78
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	20	0.78
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	8	0.78
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	8	0.78
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	8	0.78
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	8	0.78
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	8	0.78
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	8	0.78
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	13	0.78
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	5	0.78
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	5	0.78
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	5	0.78
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	1	0.78
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	1	0.78
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	1	0.78
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	10	0.78
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	10	0.78
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	12	0.78
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	12	0.78
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	12	0.78
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	6	0.78
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	6	0.78
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	6	0.78
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	12	0.78
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	12	0.78
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	12	0.78
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	19	0.78
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	19	0.78
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	19	0.78
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	6	0.78
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	6	0.78
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	6	0.78
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	12	0.78
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	12	0.78
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	12	0.78
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	19	0.78
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	19	0.78
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	19	0.78
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	6	0.78
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	6	0.78
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	6	0.78
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	12	0.78
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	12	0.78
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	12	0.78
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	19	0.78
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	19	0.78
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	19	0.78
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	6	0.78
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	6	0.78
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	6	0.78
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	12	0.78
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	12	0.78
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	12	0.78
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	19	0.78
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	19	0.78
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	19	0.78
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	7	0.78
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	7	0.78
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	7	0.78
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	7	0.78
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	7	0.78
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	20	0.77
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	20	0.77
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	20	0.77
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	20	0.77
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	20	0.77
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	20	0.77
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	4	0.77
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	13	0.77
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	4	0.77
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	13	0.77
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	4	0.77
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	8	0.77
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	4	0.77
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	8	0.77
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	13	0.77
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	10	0.77
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	10	0.77
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	10	0.77
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	20	0.77
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	20	0.77
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	20	0.77
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	10	0.77
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	10	0.77
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	10	0.77
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	20	0.77
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	20	0.77
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	20	0.77
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	10	0.77
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	10	0.77
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	10	0.77
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	20	0.77
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	20	0.77
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	20	0.77
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	20	0.77
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	20	0.77
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	20	0.77
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	12	0.77
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	12	0.77
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	4	0.77
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	4	0.77
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	4	0.77
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	18	0.76
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	18	0.76
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	18	0.76
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	18	0.76
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	18	0.76
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	18	0.76
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	18	0.76
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	18	0.76
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	18	0.76
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	18	0.76
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	18	0.76
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	18	0.76
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	12	0.76
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	12	0.76
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	12	0.76
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	12	0.76
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	20	0.76
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	20	0.76
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	20	0.76
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	20	0.76
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	13	0.76
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	13	0.76
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	13	0.76
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	17	0.76
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	17	0.76
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	17	0.76
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	13	0.76
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	13	0.76
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	13	0.76
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	13	0.76
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	13	0.76
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	13	0.76
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	17	0.76
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	17	0.76
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	17	0.76
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	4	0.76
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	4	0.76
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	1	0.76
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	1	0.76
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	1	0.76
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	7	0.76
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	7	0.76
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	7	0.76
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	7	0.76
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	7	0.76
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	7	0.76
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	17	0.75
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	17	0.75
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	17	0.75
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	17	0.75
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	17	0.75
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	17	0.75
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	17	0.75
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	17	0.75
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	17	0.75
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	17	0.75
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	17	0.75
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	6	0.75
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	6	0.75
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	6	0.75
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	15	0.75
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	6	0.75
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	15	0.75
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	17	0.75
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	17	0.75
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	17	0.75
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	13	0.75
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	13	0.75
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	13	0.75
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	17	0.75
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	17	0.75
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	17	0.75
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	4	0.75
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	4	0.75
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	4	0.75
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	18	0.75
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	18	0.75
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	18	0.75
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	4	0.75
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	4	0.75
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	18	0.75
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	18	0.75
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	18	0.75
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	18	0.75
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	18	0.75
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	18	0.75
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	18	0.75
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	18	0.75
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	18	0.75
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	4	0.75
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	4	0.75
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	4	0.75
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	4	0.75
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	4	0.75
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	4	0.75
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	19	0.75
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	19	0.75
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	19	0.75
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	19	0.75
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	19	0.75
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	19	0.75
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	1	0.75
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	1	0.75
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	1	0.75
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	5	0.75
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	5	0.75
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	5	0.75
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	5	0.75
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	5	0.75
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	5	0.75
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	1	0.75
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	1	0.75
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	1	0.75
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	5	0.75
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	5	0.75
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	5	0.75
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	1	0.75
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	1	0.75
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	1	0.75
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	5	0.75
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	5	0.75
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	17	0.74
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	17	0.74
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	17	0.74
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	17	0.74
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	17	0.74
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	2	0.74
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	2	0.74
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	2	0.74
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	2	0.74
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	2	0.74
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	2	0.74
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	2	0.74
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	2	0.74
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	2	0.74
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	2	0.74
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	2	0.74
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	2	0.74
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	2	0.74
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	2	0.74
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	2	0.74
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	4	0.74
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	4	0.74
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	4	0.74
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	4	0.74
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	15	0.74
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	19	0.74
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	15	0.74
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	19	0.74
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	19	0.74
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	9	0.74
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	9	0.74
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	9	0.74
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	9	0.74
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	9	0.74
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	9	0.74
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	9	0.74
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	9	0.74
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	9	0.74
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	9	0.74
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	9	0.74
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	15	0.74
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	15	0.74
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	15	0.74
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	15	0.74
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	15	0.74
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	15	0.74
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	10	0.74
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	10	0.74
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	10	0.74
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	10	0.74
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	10	0.74
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	10	0.74
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	4	0.74
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	4	0.74
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	4	0.74
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	10	0.74
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	10	0.74
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	10	0.74
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	4	0.74
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	4	0.74
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	4	0.74
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	10	0.74
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	10	0.74
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	10	0.74
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	19	0.74
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	19	0.74
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	19	0.74
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	19	0.73
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	19	0.73
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	19	0.73
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	14	0.73
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	14	0.73
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	14	0.73
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	19	0.73
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	19	0.73
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	19	0.73
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	19	0.73
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	19	0.73
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	19	0.73
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	2	0.73
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	17	0.73
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	17	0.73
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	17	0.73
(2,2000)	1:D:139:ASP:H	1:D:135:LEU:HB2	7	0.73
(2,1999)	1:C:139:ASP:H	1:C:135:LEU:HB2	7	0.73
(2,1998)	1:B:139:ASP:H	1:B:135:LEU:HB2	7	0.73
(2,1997)	1:A:139:ASP:H	1:A:135:LEU:HB2	7	0.73
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	12	0.73
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	19	0.73
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	12	0.73
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	11	0.73
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	11	0.73
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	11	0.73
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	11	0.73
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	11	0.73
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	11	0.73
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	15	0.73
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	15	0.73
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	15	0.73
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	15	0.73
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	15	0.73
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	15	0.73
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	15	0.73
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	15	0.73
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	15	0.73
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	15	0.73
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	15	0.73
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	15	0.73
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	15	0.73
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	15	0.73
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	15	0.73
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	15	0.73
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	15	0.73
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	15	0.73
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	19	0.73
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	19	0.73
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	19	0.73
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	8	0.73
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	8	0.73
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	8	0.73
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	8	0.73
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	8	0.73
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	14	0.72
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	14	0.72
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	14	0.72
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	19	0.72
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	19	0.72
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	19	0.72
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	14	0.72
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	14	0.72
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	14	0.72
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	14	0.72
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	14	0.72
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	14	0.72
(2,2216)	1:D:157:ALA:H	1:D:156:SER:HB2	8	0.72
(2,2216)	1:D:157:ALA:H	1:D:156:SER:HB2	13	0.72
(2,2215)	1:C:157:ALA:H	1:C:156:SER:HB2	8	0.72
(2,2215)	1:C:157:ALA:H	1:C:156:SER:HB2	13	0.72
(2,2214)	1:B:157:ALA:H	1:B:156:SER:HB2	8	0.72
(2,2214)	1:B:157:ALA:H	1:B:156:SER:HB2	13	0.72
(2,2213)	1:A:157:ALA:H	1:A:156:SER:HB2	13	0.72
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	5	0.72
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	12	0.72
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	5	0.72
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	12	0.72
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	5	0.72
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	5	0.72
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	11	0.72
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	11	0.72
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	11	0.72
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	11	0.72
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	11	0.72
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	11	0.72
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG21	13	0.72
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG22	13	0.72
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG23	13	0.72
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG21	13	0.72
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG22	13	0.72
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG23	13	0.72
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	9	0.72
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	9	0.72
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	9	0.72
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	9	0.72
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	9	0.72
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	9	0.72
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	9	0.72
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	9	0.72
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	9	0.72
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	9	0.72
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	9	0.72
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	19	0.72
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	19	0.72
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	19	0.72
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	19	0.72
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	19	0.72
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	19	0.72
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	8	0.72
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	8	0.72
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	8	0.72
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	8	0.72
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	8	0.72
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	8	0.72
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	19	0.72
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	19	0.72
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	19	0.72
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	19	0.72
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	19	0.72
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	19	0.72
(2,820)	1:D:137:ARG:HG2	1:D:141:LYS:HG3	3	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	7	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	7	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	7	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	16	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	16	0.71
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	16	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	7	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	7	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	7	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	16	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	16	0.71
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	16	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	7	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	7	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	16	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	16	0.71
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	16	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	7	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	7	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	7	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	16	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	16	0.71
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	16	0.71
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	11	0.71
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	11	0.71
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	4	0.71
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	11	0.71
(2,2213)	1:A:157:ALA:H	1:A:156:SER:HB2	8	0.71
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	7	0.71
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	7	0.71
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	19	0.71
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	7	0.71
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	7	0.71
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	19	0.71
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG21	13	0.71
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG22	13	0.71
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG23	13	0.71
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG21	13	0.71
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG22	13	0.71
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG23	13	0.71
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	2	0.71
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	2	0.71
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	2	0.71
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	4	0.71
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	4	0.71
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	4	0.71
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	2	0.71
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	2	0.71
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	2	0.71
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	4	0.71
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	4	0.71
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	4	0.71
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	2	0.71
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	2	0.71
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	2	0.71
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	4	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	4	0.71
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	4	0.71
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	14	0.71
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	14	0.71
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	14	0.71
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	2	0.71
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	2	0.71
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	2	0.71
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	4	0.71
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	4	0.71
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	4	0.71
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	9	0.71
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	9	0.71
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	9	0.71
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	9	0.71
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	9	0.71
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	9	0.71
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	18	0.71
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	18	0.71
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	18	0.71
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	18	0.71
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	18	0.71
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	18	0.71
(2,819)	1:C:137:ARG:HG2	1:C:141:LYS:HG3	3	0.7
(2,818)	1:B:137:ARG:HG2	1:B:141:LYS:HG3	3	0.7
(2,817)	1:A:137:ARG:HG2	1:A:141:LYS:HG3	3	0.7
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	2	0.7
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	2	0.7
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	2	0.7
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	2	0.7
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	2	0.7
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	2	0.7
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	2	0.7
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	2	0.7
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	2	0.7
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	2	0.7
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	2	0.7
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	2	0.7
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	4	0.7
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	11	0.7
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	19	0.7
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	7	0.7
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	3	0.7
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	3	0.7
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	3	0.7
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	15	0.7
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	15	0.7
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	15	0.7
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	3	0.7
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	3	0.7
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	3	0.7
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	15	0.7
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	15	0.7
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	15	0.7
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	3	0.7
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	3	0.7
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	3	0.7
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	15	0.7
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	15	0.7
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	15	0.7
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	3	0.7
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	3	0.7
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	3	0.7
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	15	0.7
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	15	0.7
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	15	0.7
(2,1248)	1:D:137:ARG:HG2	1:D:141:LYS:HE2	16	0.7
(2,1247)	1:C:137:ARG:HG2	1:C:141:LYS:HE2	16	0.7
(2,1246)	1:B:137:ARG:HG2	1:B:141:LYS:HE2	16	0.7
(2,1245)	1:A:137:ARG:HG2	1:A:141:LYS:HE2	16	0.7
(2,1226)	1:B:144:GLU:HG2	1:B:144:GLU:HA	17	0.7
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	8	0.7
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	8	0.7
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	8	0.7
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	14	0.7
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	14	0.7
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	14	0.7
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	16	0.7
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	16	0.7
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	16	0.7
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	8	0.7
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	8	0.7
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	14	0.7
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	14	0.7
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	14	0.7
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	16	0.7
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	16	0.7
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	16	0.7
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	8	0.7
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	8	0.7
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	8	0.7
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	16	0.7
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	16	0.7
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	16	0.7
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	8	0.7
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	8	0.7
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	8	0.7
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	14	0.7
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	14	0.7
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	14	0.7
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	16	0.7
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	16	0.7
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	16	0.7
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	13	0.7
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	13	0.7
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	13	0.7
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	13	0.7
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	13	0.7
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	13	0.7
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	13	0.7
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	13	0.7
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	13	0.7
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	13	0.7
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	13	0.7
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	13	0.7
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	13	0.7
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	13	0.7
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	13	0.7
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	13	0.7
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	13	0.7
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	13	0.7
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	13	0.7
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	13	0.7
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	13	0.7
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	13	0.7
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	13	0.7
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	18	0.7
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	18	0.7
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	18	0.7
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	18	0.7
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	18	0.7
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	18	0.7
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	9	0.69
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	9	0.69
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	9	0.69
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	9	0.69
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	9	0.69
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	9	0.69
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	9	0.69
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	9	0.69
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	9	0.69
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	9	0.69
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	9	0.69
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	9	0.69
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	17	0.69
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	17	0.69
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	17	0.69
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	5	0.69
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	4	0.69
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	5	0.69
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	4	0.69
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	5	0.69
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	5	0.69
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	13	0.69
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	18	0.69
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	18	0.69
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	18	0.69
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	18	0.69
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	7	0.69
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	7	0.69
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	7	0.69
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	20	0.69
(2,1228)	1:D:144:GLU:HG2	1:D:144:GLU:HA	17	0.69
(2,1227)	1:C:144:GLU:HG2	1:C:144:GLU:HA	17	0.69
(2,1225)	1:A:144:GLU:HG2	1:A:144:GLU:HA	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	8	0.69
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	8	0.69
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	8	0.69
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	8	0.69
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	8	0.69
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	8	0.69
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	9	0.69
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	9	0.69
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	9	0.69
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	9	0.69
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	9	0.69
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	9	0.69
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	19	0.69
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	19	0.69
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	19	0.69
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	19	0.69
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	19	0.69
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	19	0.69
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	9	0.69
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	9	0.69
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	9	0.69
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	9	0.69
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	9	0.69
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	9	0.69
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	14	0.69
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	14	0.69
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	14	0.69
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	14	0.69
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	14	0.69
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	14	0.69
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	18	0.69
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	18	0.69
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	18	0.69
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	18	0.69
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	18	0.69
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	18	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	10	0.69
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	10	0.69
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	17	0.68
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	17	0.68
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	17	0.68
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	15	0.68
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	15	0.68
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	15	0.68
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	17	0.68
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	17	0.68
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	17	0.68
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	7	0.68
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	7	0.68
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	13	0.68
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	7	0.68
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	13	0.68
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	17	0.68
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	7	0.68
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	17	0.68
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	5	0.68
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	9	0.68
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	5	0.68
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	9	0.68
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	5	0.68
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	9	0.68
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	5	0.68
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	9	0.68
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	6	0.68
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	20	0.68
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	6	0.68
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	20	0.68
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	6	0.68
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	20	0.68
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	9	0.68
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	9	0.68
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	9	0.68
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	17	0.68
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	17	0.68
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	17	0.68
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	17	0.68
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	17	0.68
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	17	0.68
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	17	0.68
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	17	0.68
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	17	0.68
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	17	0.68
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	17	0.68
(2,1068)	1:D:133:ALA:HB2	1:D:134:ARG:HD2	9	0.68
(2,1068)	1:D:133:ALA:HB1	1:D:134:ARG:HD2	9	0.68
(2,1068)	1:D:133:ALA:HB3	1:D:134:ARG:HD2	9	0.68
(2,1067)	1:C:133:ALA:HB2	1:C:134:ARG:HD2	9	0.68
(2,1067)	1:C:133:ALA:HB1	1:C:134:ARG:HD2	9	0.68
(2,1067)	1:C:133:ALA:HB3	1:C:134:ARG:HD2	9	0.68
(2,1066)	1:B:133:ALA:HB2	1:B:134:ARG:HD2	9	0.68
(2,1066)	1:B:133:ALA:HB1	1:B:134:ARG:HD2	9	0.68
(2,1066)	1:B:133:ALA:HB3	1:B:134:ARG:HD2	9	0.68
(2,1065)	1:A:133:ALA:HB2	1:A:134:ARG:HD2	9	0.68
(2,1065)	1:A:133:ALA:HB1	1:A:134:ARG:HD2	9	0.68
(2,1065)	1:A:133:ALA:HB3	1:A:134:ARG:HD2	9	0.68
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	18	0.68
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	18	0.68
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	18	0.68
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	18	0.68
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	18	0.68
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	18	0.68
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	18	0.68
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	18	0.68
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	18	0.68
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	18	0.68
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	18	0.68
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	18	0.68
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	19	0.68
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	19	0.68
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	19	0.68
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	19	0.68
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	19	0.68
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	19	0.68
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	8	0.68
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	8	0.68
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	8	0.68
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	8	0.68
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	8	0.68
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	11	0.68
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	11	0.68
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	10	0.68
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	10	0.68
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	4	0.67
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	4	0.67
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	4	0.67
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	4	0.67
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	15	0.67
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	15	0.67
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	15	0.67
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	17	0.67
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	17	0.67
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	17	0.67
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	15	0.67
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	15	0.67
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	15	0.67
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	15	0.67
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	15	0.67
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	15	0.67
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	13	0.67
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	17	0.67
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	9	0.67
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	17	0.67
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	9	0.67
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	15	0.67
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	13	0.67
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	2	0.67
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	2	0.67
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	6	0.67
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	2	0.67
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	2	0.67
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	9	0.67
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	9	0.67
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	9	0.67
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	9	0.67
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	9	0.67
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	9	0.67
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	9	0.67
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	9	0.67
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	9	0.67
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	7	0.67
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	7	0.67
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	13	0.67
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	13	0.67
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	13	0.67
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	7	0.67
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	7	0.67
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	7	0.67
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	13	0.67
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	13	0.67
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	13	0.67
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	7	0.67
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	7	0.67
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	7	0.67
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	13	0.67
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	13	0.67
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	13	0.67
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	7	0.67
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	7	0.67
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	7	0.67
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	13	0.67
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	13	0.67
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	13	0.67
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	14	0.67
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	14	0.67
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	14	0.67
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	14	0.67
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	14	0.67
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	14	0.67
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	18	0.67
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	18	0.67
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	18	0.67
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	18	0.67
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	18	0.67
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	18	0.67
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	4	0.67
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	4	0.67
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	4	0.67
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	4	0.67
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	4	0.67
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	4	0.67
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	4	0.67
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	13	0.66
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	13	0.66
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	13	0.66
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	16	0.66
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	16	0.66
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	9	0.66
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	15	0.66
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	15	0.66
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	9	0.66
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	15	0.66
(2,2279)	1:C:146:LEU:H	1:C:142:LEU:HB3	17	0.66
(2,2278)	1:B:146:LEU:H	1:B:142:LEU:HB3	17	0.66
(2,2277)	1:A:146:LEU:H	1:A:142:LEU:HB3	17	0.66
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	3	0.66
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	3	0.66
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	8	0.66
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	13	0.66
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	2	0.66
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	13	0.66
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	13	0.66
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	1	0.66
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	1	0.66
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	1	0.66
(2,1245)	1:A:137:ARG:HG2	1:A:141:LYS:HE2	13	0.66
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	6	0.66
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	6	0.66
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	6	0.66
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	14	0.66
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	14	0.66
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	14	0.66
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	14	0.66
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	14	0.66
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	14	0.66
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	13	0.65
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	13	0.65
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	13	0.65
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	13	0.65
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	13	0.65
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	13	0.65
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	13	0.65
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	13	0.65
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	16	0.65
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	18	0.65
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	18	0.65
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	16	0.65
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	18	0.65
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	18	0.65
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	19	0.65
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	19	0.65
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	19	0.65
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	19	0.65
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	19	0.65
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	19	0.65
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	19	0.65
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	19	0.65
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	19	0.65
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	18	0.65
(2,2280)	1:D:146:LEU:H	1:D:142:LEU:HB3	17	0.65
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	1	0.65
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	2	0.65
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	8	0.65
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	10	0.65
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	11	0.65
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	16	0.65
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	1	0.65
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	2	0.65
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	10	0.65
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	11	0.65
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	16	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	1	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	3	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	8	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	10	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	11	0.65
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	16	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	1	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	2	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	3	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	8	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	10	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	11	0.65
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	1	0.65
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	16	0.65
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	16	0.65
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	16	0.65
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	16	0.65
(2,1248)	1:D:137:ARG:HG2	1:D:141:LYS:HE2	13	0.65
(2,1247)	1:C:137:ARG:HG2	1:C:141:LYS:HE2	2	0.65
(2,1247)	1:C:137:ARG:HG2	1:C:141:LYS:HE2	13	0.65
(2,1246)	1:B:137:ARG:HG2	1:B:141:LYS:HE2	13	0.65
(2,1245)	1:A:137:ARG:HG2	1:A:141:LYS:HE2	2	0.65
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	6	0.65
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	6	0.65
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	6	0.65
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	12	0.65
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	12	0.65
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	12	0.65
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	13	0.65
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	13	0.65
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	13	0.65
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	12	0.65
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	12	0.65
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	12	0.65
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	13	0.65
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	13	0.65
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	13	0.65
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	6	0.65
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	6	0.65
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	6	0.65
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	12	0.65
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	12	0.65
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	12	0.65
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	13	0.65
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	13	0.65
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	13	0.65
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	6	0.65
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	6	0.65
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	6	0.65
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	12	0.65
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	12	0.65
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	12	0.65
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	13	0.65
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	13	0.65
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	8	0.65
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	8	0.65
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	14	0.65
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	14	0.65
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	14	0.65
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	14	0.65
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	14	0.65
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	14	0.65
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	8	0.65
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	8	0.65
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	10	0.65
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	10	0.65
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	10	0.65
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	10	0.65
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	13	0.64
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	13	0.64
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	13	0.64
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	13	0.64
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	7	0.64
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	7	0.64
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	7	0.64
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	7	0.64
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	7	0.64
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	7	0.64
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	7	0.64
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	7	0.64
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	7	0.64
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	7	0.64
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	7	0.64
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	7	0.64
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	19	0.64
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	19	0.64
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	19	0.64
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	19	0.64
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	6	0.64
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	20	0.64
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	6	0.64
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	20	0.64
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	6	0.64
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	20	0.64
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	20	0.64
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	3	0.64
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	3	0.64
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	3	0.64
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	3	0.64
(2,1248)	1:D:137:ARG:HG2	1:D:141:LYS:HE2	2	0.64
(2,1246)	1:B:137:ARG:HG2	1:B:141:LYS:HE2	2	0.64
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	11	0.64
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	11	0.64
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	11	0.64
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	11	0.64
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	11	0.64
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	11	0.64
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	11	0.64
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	11	0.64
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	11	0.64
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	11	0.64
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	11	0.64
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	11	0.64
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	19	0.64
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	19	0.64
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	19	0.64
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	19	0.64
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	19	0.64
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	19	0.64
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	19	0.64
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	19	0.64
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	19	0.64
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	19	0.64
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	19	0.64
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	19	0.64
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	19	0.64
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	19	0.64
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	19	0.64
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	19	0.64
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	19	0.64
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	19	0.64
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	8	0.64
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	8	0.64
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	8	0.64
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	8	0.64
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	19	0.63
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	18	0.63
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	19	0.63
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	18	0.63
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	19	0.63
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	15	0.63
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	15	0.63
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	15	0.63
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	15	0.63
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	17	0.63
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	18	0.63
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	17	0.63
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	18	0.63
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	17	0.63
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	18	0.63
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	17	0.63
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	18	0.63
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	15	0.63
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	5	0.63
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	5	0.63
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	5	0.63
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	5	0.63
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	5	0.63
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	5	0.63
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	11	0.63
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	11	0.63
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	11	0.63
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	11	0.63
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	11	0.63
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	11	0.63
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	11	0.63
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	11	0.63
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	11	0.63
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	11	0.63
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	11	0.63
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	11	0.63
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	19	0.63
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	19	0.63
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	19	0.63
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	19	0.63
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	19	0.63
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	1	0.62
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	1	0.62
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	1	0.62
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	1	0.62
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	16	0.62
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	16	0.62
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	16	0.62
(2,2040)	1:D:146:LEU:H	1:D:145:ILE:HG12	14	0.62
(2,2039)	1:C:146:LEU:H	1:C:145:ILE:HG12	14	0.62
(2,2038)	1:B:146:LEU:H	1:B:145:ILE:HG12	14	0.62
(2,2037)	1:A:146:LEU:H	1:A:145:ILE:HG12	14	0.62
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	15	0.62
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	15	0.62
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	15	0.62
(2,1248)	1:D:137:ARG:HG2	1:D:141:LYS:HE2	1	0.62
(2,1247)	1:C:137:ARG:HG2	1:C:141:LYS:HE2	1	0.62
(2,1246)	1:B:137:ARG:HG2	1:B:141:LYS:HE2	1	0.62
(2,1245)	1:A:137:ARG:HG2	1:A:141:LYS:HE2	1	0.62
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	5	0.62
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	5	0.62
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	5	0.62
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	5	0.62
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	5	0.62
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	5	0.62
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	10	0.62
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	10	0.62
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	10	0.62
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	10	0.62
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	10	0.62
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	10	0.62
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	10	0.62
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	10	0.62
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	10	0.62
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	10	0.62
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	10	0.62
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	10	0.62
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	5	0.62
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	5	0.62
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	5	0.62
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	5	0.62
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	5	0.62
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	17	0.62
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	17	0.62
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	17	0.62
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	17	0.62
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	17	0.62
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	17	0.62
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	5	0.62
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	5	0.62
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	5	0.62
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	5	0.62
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	5	0.62
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	5	0.62
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	15	0.62
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	15	0.62
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	15	0.62
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	15	0.62
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	15	0.62
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	15	0.62
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	5	0.62
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	5	0.62
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	5	0.62
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	5	0.62
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	5	0.62
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	5	0.62
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	15	0.62
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	15	0.62
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	15	0.62
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	15	0.62
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	15	0.62
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	15	0.62
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	5	0.62
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	5	0.62
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	5	0.62
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	5	0.62
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	5	0.62
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	5	0.62
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	15	0.62
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	15	0.62
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	15	0.62
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	15	0.62
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	15	0.62
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	17	0.62
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	17	0.62
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	17	0.62
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	17	0.62
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	17	0.62
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	17	0.62
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	7	0.61
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	7	0.61
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	7	0.61
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	7	0.61
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	7	0.61
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	7	0.61
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	16	0.61
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	16	0.61
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	16	0.61
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	16	0.61
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	1	0.61
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	16	0.61
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	1	0.61
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	1	0.61
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	1	0.61
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	12	0.61
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	12	0.61
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	12	0.61
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	12	0.61
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	12	0.61
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	12	0.61
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	15	0.61
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	15	0.61
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	15	0.61
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	15	0.61
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	15	0.61
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	15	0.61
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	6	0.61
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	6	0.61
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	6	0.61
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	6	0.61
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	6	0.61
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	6	0.61
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	7	0.61
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	7	0.61
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	7	0.61
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	7	0.61
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	7	0.61
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	12	0.61
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	12	0.61
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	12	0.61
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	12	0.61
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	12	0.61
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	12	0.61
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	17	0.61
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	17	0.61
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	17	0.61
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	17	0.61
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	17	0.61
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	17	0.61
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	12	0.61
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	12	0.61
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	12	0.61
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	12	0.61
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	12	0.61
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	12	0.61
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	17	0.61
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	17	0.61
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	17	0.61
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	17	0.61
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	17	0.61
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	17	0.61
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	6	0.61
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	6	0.61
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	6	0.61
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	6	0.61
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	6	0.61
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	6	0.61
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	12	0.61
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	12	0.61
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	12	0.61
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	12	0.61
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	12	0.61
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	12	0.61
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	7	0.6
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	7	0.6
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	3	0.6
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	7	0.6
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	15	0.6
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	17	0.6
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	19	0.6
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	3	0.6
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	7	0.6
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	15	0.6
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	17	0.6
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	19	0.6
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	3	0.6
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	7	0.6
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	15	0.6
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	17	0.6
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	19	0.6
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	3	0.6
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	7	0.6
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	15	0.6
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	19	0.6
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	2	0.6
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	2	0.6
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	2	0.6
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	2	0.6
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	11	0.6
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	11	0.6
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	11	0.6
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	11	0.6
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	20	0.6
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	20	0.6
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	20	0.6
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	20	0.6
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	20	0.6
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	20	0.6
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	20	0.6
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	20	0.6
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	20	0.6
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	20	0.6
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	20	0.6
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	20	0.6
(1,84)	1:D:154:VAL:HG12	1:A:156:SER:HB2	17	0.6
(1,84)	1:D:154:VAL:HG11	1:A:156:SER:HB2	17	0.6
(1,84)	1:D:154:VAL:HG13	1:A:156:SER:HB2	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:D:154:VAL:HG12	1:C:156:SER:HB2	17	0.6
(1,84)	1:D:154:VAL:HG11	1:C:156:SER:HB2	17	0.6
(1,84)	1:D:154:VAL:HG13	1:C:156:SER:HB2	17	0.6
(1,83)	1:C:154:VAL:HG12	1:D:156:SER:HB2	17	0.6
(1,83)	1:C:154:VAL:HG11	1:D:156:SER:HB2	17	0.6
(1,83)	1:C:154:VAL:HG13	1:D:156:SER:HB2	17	0.6
(1,83)	1:C:154:VAL:HG12	1:B:156:SER:HB2	17	0.6
(1,83)	1:C:154:VAL:HG11	1:B:156:SER:HB2	17	0.6
(1,83)	1:C:154:VAL:HG13	1:B:156:SER:HB2	17	0.6
(1,82)	1:B:154:VAL:HG12	1:C:156:SER:HB2	17	0.6
(1,82)	1:B:154:VAL:HG11	1:C:156:SER:HB2	17	0.6
(1,82)	1:B:154:VAL:HG13	1:C:156:SER:HB2	17	0.6
(1,82)	1:B:154:VAL:HG12	1:A:156:SER:HB2	17	0.6
(1,82)	1:B:154:VAL:HG11	1:A:156:SER:HB2	17	0.6
(1,82)	1:B:154:VAL:HG13	1:A:156:SER:HB2	17	0.6
(1,81)	1:A:154:VAL:HG12	1:B:156:SER:HB2	17	0.6
(1,81)	1:A:154:VAL:HG11	1:B:156:SER:HB2	17	0.6
(1,81)	1:A:154:VAL:HG13	1:B:156:SER:HB2	17	0.6
(1,81)	1:A:154:VAL:HG12	1:D:156:SER:HB2	17	0.6
(1,81)	1:A:154:VAL:HG11	1:D:156:SER:HB2	17	0.6
(1,81)	1:A:154:VAL:HG13	1:D:156:SER:HB2	17	0.6
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	14	0.6
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	14	0.6
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	14	0.6
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	14	0.6
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	14	0.6
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	14	0.6
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	7	0.59
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	7	0.59
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	7	0.59
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	18	0.59
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	18	0.59
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	18	0.59
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	17	0.59
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	18	0.59
(2,304)	1:D:144:GLU:HG3	1:D:141:LYS:HA	17	0.59
(2,303)	1:C:144:GLU:HG3	1:C:141:LYS:HA	17	0.59
(2,302)	1:B:144:GLU:HG3	1:B:141:LYS:HA	17	0.59
(2,301)	1:A:144:GLU:HG3	1:A:141:LYS:HA	17	0.59
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	2	0.59
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	2	0.59
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	14	0.59
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	14	0.59
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	14	0.59
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	14	0.59
(2,1220)	1:D:144:GLU:HG3	1:D:144:GLU:HB3	12	0.59
(2,1219)	1:C:144:GLU:HG3	1:C:144:GLU:HB3	12	0.59
(2,1218)	1:B:144:GLU:HG3	1:B:144:GLU:HB3	12	0.59
(2,1217)	1:A:144:GLU:HG3	1:A:144:GLU:HB3	12	0.59
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	14	0.59
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	14	0.59
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	14	0.59
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	14	0.59
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	14	0.59
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	14	0.59
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	7	0.59
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	7	0.59
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	7	0.59
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	7	0.59
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	7	0.59
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	7	0.59
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	8	0.59
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	8	0.59
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	8	0.59
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	8	0.59
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	8	0.59
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	8	0.59
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	20	0.59
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	20	0.59
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	20	0.59
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	20	0.59
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	20	0.59
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	20	0.59
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	7	0.59
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	7	0.59
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	7	0.59
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	7	0.59
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	7	0.59
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	7	0.59
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	20	0.59
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	20	0.59
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	20	0.59
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	20	0.59
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	20	0.59
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	7	0.59
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	7	0.59
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	7	0.59
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	7	0.59
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	7	0.59
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	7	0.59
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	15	0.58
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	15	0.58
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	15	0.58
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	15	0.58
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	12	0.58
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	12	0.58
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	12	0.58
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	12	0.58
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	16	0.58
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	2	0.58
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	14	0.58
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	14	0.58
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	14	0.58
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	14	0.58
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	8	0.58
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	8	0.58
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	4	0.58
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	4	0.58
(2,1032)	1:D:157:ALA:HB2	1:D:158:GLY:HA2	15	0.58
(2,1032)	1:D:157:ALA:HB1	1:D:158:GLY:HA2	15	0.58
(2,1032)	1:D:157:ALA:HB3	1:D:158:GLY:HA2	15	0.58
(2,1031)	1:C:157:ALA:HB2	1:C:158:GLY:HA2	15	0.58
(2,1031)	1:C:157:ALA:HB1	1:C:158:GLY:HA2	15	0.58
(2,1031)	1:C:157:ALA:HB3	1:C:158:GLY:HA2	15	0.58
(2,1030)	1:B:157:ALA:HB2	1:B:158:GLY:HA2	15	0.58
(2,1030)	1:B:157:ALA:HB1	1:B:158:GLY:HA2	15	0.58
(2,1030)	1:B:157:ALA:HB3	1:B:158:GLY:HA2	15	0.58
(2,1029)	1:A:157:ALA:HB2	1:A:158:GLY:HA2	15	0.58
(2,1029)	1:A:157:ALA:HB1	1:A:158:GLY:HA2	15	0.58
(2,1029)	1:A:157:ALA:HB3	1:A:158:GLY:HA2	15	0.58
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	6	0.58
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	6	0.58
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	6	0.58
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	6	0.58
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	6	0.58
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	8	0.58
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	8	0.58
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	8	0.58
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	8	0.58
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	8	0.58
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	8	0.58
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	9	0.58
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	9	0.58
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	9	0.58
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	9	0.58
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	9	0.58
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	9	0.58
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	20	0.58
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	20	0.58
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	20	0.58
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	20	0.58
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	20	0.58
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	20	0.58
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	6	0.58
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	6	0.58
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	6	0.58
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	6	0.58
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	6	0.58
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	6	0.58
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	8	0.58
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	8	0.58
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	8	0.58
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	8	0.58
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	8	0.58
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	8	0.58
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	11	0.58
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	11	0.58
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	11	0.58
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	11	0.58
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	11	0.58
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	20	0.58
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	20	0.58
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	20	0.58
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	20	0.58
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	20	0.58
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	20	0.58
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	6	0.57
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	6	0.57
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	6	0.57
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	6	0.57
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	12	0.57
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	13	0.57
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	13	0.57
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	12	0.57
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	13	0.57
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	12	0.57
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	13	0.57
(2,2172)	1:D:130:ASN:HD21	1:D:127:THR:HB	5	0.57
(2,2171)	1:C:130:ASN:HD21	1:C:127:THR:HB	5	0.57
(2,2169)	1:A:130:ASN:HD21	1:A:127:THR:HB	5	0.57
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	4	0.57
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	4	0.57
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	8	0.57
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	8	0.57
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	19	0.57
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	19	0.57
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	19	0.57
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	19	0.57
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	19	0.57
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	19	0.57
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	19	0.57
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	19	0.57
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	19	0.57
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	19	0.57
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	19	0.57
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	19	0.57
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	14	0.57
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	14	0.57
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	14	0.57
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	14	0.57
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	14	0.57
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	14	0.57
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	14	0.57
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	14	0.57
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	14	0.57
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	14	0.57
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	14	0.57
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	16	0.57
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	16	0.57
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	16	0.57
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	16	0.57
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	16	0.57
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	16	0.57
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	9	0.57
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	9	0.57
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	9	0.57
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	9	0.57
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	9	0.57
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	9	0.57
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	9	0.57
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	9	0.57
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	9	0.57
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	9	0.57
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	9	0.57
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	9	0.57
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	16	0.57
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	16	0.57
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	16	0.57
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	16	0.57
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	16	0.57
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	16	0.57
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	12	0.56
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	16	0.56
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	16	0.56
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2170)	1:B:130:ASN:HD21	1:B:127:THR:HB	5	0.56
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	8	0.56
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	8	0.56
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	8	0.56
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	8	0.56
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	8	0.56
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	8	0.56
(2,1227)	1:C:144:GLU:HG2	1:C:144:GLU:HA	4	0.56
(2,1226)	1:B:144:GLU:HG2	1:B:144:GLU:HA	4	0.56
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	1	0.55
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	1	0.55
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	8	0.55
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	8	0.55
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	8	0.55
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	8	0.55
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	8	0.55
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	8	0.55
(2,1228)	1:D:144:GLU:HG2	1:D:144:GLU:HA	4	0.55
(2,1225)	1:A:144:GLU:HG2	1:A:144:GLU:HA	4	0.55
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	11	0.55
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	11	0.55
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	11	0.55
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	10	0.55
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	10	0.55
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	10	0.55
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	10	0.55
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	10	0.55
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	10	0.55
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	11	0.55
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	11	0.55
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	11	0.55
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	11	0.55
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	11	0.55
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	11	0.55
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	10	0.55
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	10	0.55
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	10	0.55
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	10	0.55
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	10	0.55
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	10	0.55
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	11	0.55
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	11	0.55
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	11	0.55
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	11	0.55
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	11	0.55
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	16	0.55
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	16	0.55
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	16	0.55
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	16	0.55
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	16	0.55
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	16	0.55
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	16	0.55
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	16	0.55
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	16	0.55
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	16	0.55
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	16	0.55
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	16	0.55
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	10	0.55
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	10	0.55
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	10	0.55
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	10	0.55
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	10	0.55
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	10	0.55
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	1	0.54
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	1	0.54
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	10	0.54
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	10	0.54
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	10	0.54
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	10	0.54
(2,304)	1:D:144:GLU:HG3	1:D:141:LYS:HA	4	0.54
(2,302)	1:B:144:GLU:HG3	1:B:141:LYS:HA	4	0.54
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	10	0.54
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	10	0.54
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	10	0.54
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	10	0.54
(2,136)	1:D:153:VAL:HA	1:D:156:SER:HB2	20	0.54
(2,135)	1:C:153:VAL:HA	1:C:156:SER:HB2	20	0.54
(2,134)	1:B:153:VAL:HA	1:B:156:SER:HB2	20	0.54
(2,133)	1:A:153:VAL:HA	1:A:156:SER:HB2	20	0.54
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	11	0.54
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	18	0.54
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	18	0.54
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	18	0.54
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	18	0.54
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	18	0.54
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	10	0.54
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	10	0.54
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	10	0.54
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	10	0.54
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	10	0.54
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	10	0.54
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	11	0.54
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	11	0.54
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	11	0.54
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	11	0.54
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	11	0.54
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	11	0.54
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	18	0.54
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	18	0.54
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	18	0.54
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	18	0.54
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	18	0.54
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	18	0.54
(1,310)	1:B:146:LEU:HD22	1:C:143:SER:HB2	20	0.54
(1,310)	1:B:146:LEU:HD21	1:C:143:SER:HB2	20	0.54
(1,310)	1:B:146:LEU:HD23	1:C:143:SER:HB2	20	0.54
(1,310)	1:B:146:LEU:HD22	1:A:143:SER:HB2	20	0.54
(1,310)	1:B:146:LEU:HD21	1:A:143:SER:HB2	20	0.54
(1,310)	1:B:146:LEU:HD23	1:A:143:SER:HB2	20	0.54
(1,309)	1:A:146:LEU:HD22	1:B:143:SER:HB2	20	0.54
(1,309)	1:A:146:LEU:HD21	1:B:143:SER:HB2	20	0.54
(1,309)	1:A:146:LEU:HD23	1:B:143:SER:HB2	20	0.54
(1,309)	1:A:146:LEU:HD22	1:D:143:SER:HB2	20	0.54
(1,309)	1:A:146:LEU:HD21	1:D:143:SER:HB2	20	0.54
(1,309)	1:A:146:LEU:HD23	1:D:143:SER:HB2	20	0.54
(2,376)	1:D:137:ARG:HG2	1:D:137:ARG:HA	2	0.53
(2,375)	1:C:137:ARG:HG2	1:C:137:ARG:HA	2	0.53
(2,374)	1:B:137:ARG:HG2	1:B:137:ARG:HA	2	0.53
(2,373)	1:A:137:ARG:HG2	1:A:137:ARG:HA	2	0.53
(2,303)	1:C:144:GLU:HG3	1:C:141:LYS:HA	4	0.53
(2,301)	1:A:144:GLU:HG3	1:A:141:LYS:HA	4	0.53
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	5	0.53
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	5	0.53
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	5	0.53
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	17	0.53
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	17	0.53
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	17	0.53
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	17	0.53
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	17	0.53
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	17	0.53
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	17	0.53
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	17	0.53
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	17	0.53
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	17	0.53
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	17	0.53
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	17	0.53
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	1	0.53
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	1	0.53
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	1	0.53
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	1	0.53
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	1	0.53
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	1	0.53
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	18	0.53
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	18	0.53
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	18	0.53
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	18	0.53
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	18	0.53
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	18	0.53
(1,312)	1:D:146:LEU:HD22	1:A:143:SER:HB2	20	0.53
(1,312)	1:D:146:LEU:HD21	1:A:143:SER:HB2	20	0.53
(1,312)	1:D:146:LEU:HD23	1:A:143:SER:HB2	20	0.53
(1,312)	1:D:146:LEU:HD22	1:C:143:SER:HB2	20	0.53
(1,312)	1:D:146:LEU:HD21	1:C:143:SER:HB2	20	0.53
(1,312)	1:D:146:LEU:HD23	1:C:143:SER:HB2	20	0.53
(1,311)	1:C:146:LEU:HD22	1:D:143:SER:HB2	20	0.53
(1,311)	1:C:146:LEU:HD21	1:D:143:SER:HB2	20	0.53
(1,311)	1:C:146:LEU:HD23	1:D:143:SER:HB2	20	0.53
(1,311)	1:C:146:LEU:HD22	1:B:143:SER:HB2	20	0.53
(1,311)	1:C:146:LEU:HD21	1:B:143:SER:HB2	20	0.53
(1,311)	1:C:146:LEU:HD23	1:B:143:SER:HB2	20	0.53
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	16	0.53
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	16	0.53
(2,2279)	1:C:146:LEU:H	1:C:142:LEU:HB3	12	0.52
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	9	0.52
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	9	0.52
(2,2280)	1:D:146:LEU:H	1:D:142:LEU:HB3	12	0.51
(2,2278)	1:B:146:LEU:H	1:B:142:LEU:HB3	12	0.51
(2,2277)	1:A:146:LEU:H	1:A:142:LEU:HB3	12	0.51
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	9	0.51
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	1	0.51
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	1	0.51
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	1	0.51
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	1	0.51
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	1	0.51
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	1	0.51
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	18	0.51
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	18	0.51
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	18	0.51
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	18	0.51
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	18	0.51
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	18	0.51
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	1	0.51
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	1	0.51
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	1	0.51
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	1	0.51
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	1	0.51
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	1	0.51
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	16	0.51
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	16	0.51
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	16	0.51
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	16	0.51
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	5	0.5
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	6	0.5
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	13	0.5
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	17	0.5
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	5	0.5
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	6	0.5
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	13	0.5
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	17	0.5
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	5	0.5
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	13	0.5
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	17	0.5
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	5	0.5
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	6	0.5
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	17	0.5
(2,2216)	1:D:157:ALA:H	1:D:156:SER:HB2	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2215)	1:C:157:ALA:H	1:C:156:SER:HB2	17	0.5
(2,2214)	1:B:157:ALA:H	1:B:156:SER:HB2	17	0.5
(2,2213)	1:A:157:ALA:H	1:A:156:SER:HB2	17	0.5
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	18	0.5
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	18	0.5
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	18	0.5
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	7	0.5
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	7	0.5
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	7	0.5
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	7	0.5
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	2	0.5
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	2	0.5
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	2	0.5
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	2	0.5
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	2	0.5
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	2	0.5
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	1	0.5
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	1	0.5
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	1	0.5
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	1	0.5
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	1	0.5
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	1	0.5
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	2	0.5
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	2	0.5
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	2	0.5
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	2	0.5
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	2	0.5
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	2	0.5
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	2	0.5
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	2	0.5
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	2	0.5
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	2	0.5
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	2	0.5
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	2	0.5
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	7	0.49
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	8	0.49
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	9	0.49
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	11	0.49
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	7	0.49
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	8	0.49
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	9	0.49
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	6	0.49
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	7	0.49
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	8	0.49
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	9	0.49
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	11	0.49
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	7	0.49
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	8	0.49
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	9	0.49
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	11	0.49
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	13	0.49
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	12	0.49
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	12	0.49
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	18	0.49
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	8	0.49
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	8	0.49
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	8	0.49
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	8	0.49
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	2	0.49
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	2	0.49
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	2	0.49
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	2	0.49
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	2	0.49
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	2	0.49
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	16	0.49
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	16	0.49
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	16	0.48
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	16	0.48
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	16	0.48
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	6	0.48
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	12	0.48
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	12	0.48
(2,2064)	1:D:142:LEU:H	1:D:141:LYS:HG2	3	0.48
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	2	0.48
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	2	0.48
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	2	0.48
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	2	0.48
(2,1108)	1:D:142:LEU:HD22	1:D:139:ASP:HB2	14	0.48
(2,1108)	1:D:142:LEU:HD21	1:D:139:ASP:HB2	14	0.48
(2,1108)	1:D:142:LEU:HD23	1:D:139:ASP:HB2	14	0.48
(2,1107)	1:C:142:LEU:HD22	1:C:139:ASP:HB2	14	0.48
(2,1107)	1:C:142:LEU:HD21	1:C:139:ASP:HB2	14	0.48
(2,1107)	1:C:142:LEU:HD23	1:C:139:ASP:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1106)	1:B:142:LEU:HD22	1:B:139:ASP:HB2	14	0.48
(2,1106)	1:B:142:LEU:HD21	1:B:139:ASP:HB2	14	0.48
(2,1106)	1:B:142:LEU:HD23	1:B:139:ASP:HB2	14	0.48
(2,1106)	1:B:142:LEU:HD22	1:B:139:ASP:HB2	18	0.48
(2,1106)	1:B:142:LEU:HD21	1:B:139:ASP:HB2	18	0.48
(2,1106)	1:B:142:LEU:HD23	1:B:139:ASP:HB2	18	0.48
(2,1105)	1:A:142:LEU:HD22	1:A:139:ASP:HB2	14	0.48
(2,1105)	1:A:142:LEU:HD21	1:A:139:ASP:HB2	14	0.48
(2,1105)	1:A:142:LEU:HD23	1:A:139:ASP:HB2	14	0.48
(1,84)	1:D:154:VAL:HG12	1:A:156:SER:HB2	20	0.48
(1,84)	1:D:154:VAL:HG11	1:A:156:SER:HB2	20	0.48
(1,84)	1:D:154:VAL:HG13	1:A:156:SER:HB2	20	0.48
(1,84)	1:D:154:VAL:HG12	1:C:156:SER:HB2	20	0.48
(1,84)	1:D:154:VAL:HG11	1:C:156:SER:HB2	20	0.48
(1,84)	1:D:154:VAL:HG13	1:C:156:SER:HB2	20	0.48
(1,83)	1:C:154:VAL:HG12	1:D:156:SER:HB2	20	0.48
(1,83)	1:C:154:VAL:HG11	1:D:156:SER:HB2	20	0.48
(1,83)	1:C:154:VAL:HG13	1:D:156:SER:HB2	20	0.48
(1,83)	1:C:154:VAL:HG12	1:B:156:SER:HB2	20	0.48
(1,83)	1:C:154:VAL:HG11	1:B:156:SER:HB2	20	0.48
(1,83)	1:C:154:VAL:HG13	1:B:156:SER:HB2	20	0.48
(1,82)	1:B:154:VAL:HG12	1:C:156:SER:HB2	20	0.48
(1,82)	1:B:154:VAL:HG11	1:C:156:SER:HB2	20	0.48
(1,82)	1:B:154:VAL:HG13	1:C:156:SER:HB2	20	0.48
(1,82)	1:B:154:VAL:HG12	1:A:156:SER:HB2	20	0.48
(1,82)	1:B:154:VAL:HG11	1:A:156:SER:HB2	20	0.48
(1,82)	1:B:154:VAL:HG13	1:A:156:SER:HB2	20	0.48
(1,81)	1:A:154:VAL:HG12	1:B:156:SER:HB2	20	0.48
(1,81)	1:A:154:VAL:HG11	1:B:156:SER:HB2	20	0.48
(1,81)	1:A:154:VAL:HG13	1:B:156:SER:HB2	20	0.48
(1,81)	1:A:154:VAL:HG12	1:D:156:SER:HB2	20	0.48
(1,81)	1:A:154:VAL:HG11	1:D:156:SER:HB2	20	0.48
(1,81)	1:A:154:VAL:HG13	1:D:156:SER:HB2	20	0.48
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	20	0.48
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	20	0.48
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	20	0.48
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	20	0.48
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	20	0.48
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	20	0.48
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	16	0.47
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	16	0.47
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	16	0.47
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	16	0.47
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	16	0.47
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	16	0.47
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	16	0.47
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	16	0.47
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	3	0.47
(2,2063)	1:C:142:LEU:H	1:C:141:LYS:HG2	3	0.47
(2,2062)	1:B:142:LEU:H	1:B:141:LYS:HG2	3	0.47
(2,2061)	1:A:142:LEU:H	1:A:141:LYS:HG2	3	0.47
(2,1624)	1:D:148:MET:H	1:D:148:MET:HG2	13	0.47
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	7	0.47
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	7	0.47
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	7	0.47
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	7	0.47
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	7	0.47
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	7	0.47
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	7	0.47
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	7	0.47
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	7	0.47
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	7	0.47
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	7	0.47
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	7	0.47
(2,1108)	1:D:142:LEU:HD22	1:D:139:ASP:HB2	18	0.47
(2,1108)	1:D:142:LEU:HD21	1:D:139:ASP:HB2	18	0.47
(2,1108)	1:D:142:LEU:HD23	1:D:139:ASP:HB2	18	0.47
(2,1107)	1:C:142:LEU:HD22	1:C:139:ASP:HB2	18	0.47
(2,1107)	1:C:142:LEU:HD21	1:C:139:ASP:HB2	18	0.47
(2,1107)	1:C:142:LEU:HD23	1:C:139:ASP:HB2	18	0.47
(2,1105)	1:A:142:LEU:HD22	1:A:139:ASP:HB2	18	0.47
(2,1105)	1:A:142:LEU:HD21	1:A:139:ASP:HB2	18	0.47
(2,1105)	1:A:142:LEU:HD23	1:A:139:ASP:HB2	18	0.47
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	20	0.47
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	20	0.47
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	20	0.47
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	20	0.47
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	20	0.47
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	20	0.47
(2,700)	1:D:163:ARG:HG2	1:D:162:ALA:HA	8	0.46
(2,40)	1:D:161:SER:HA	1:D:161:SER:HB2	18	0.46
(2,39)	1:C:161:SER:HA	1:C:161:SER:HB2	18	0.46
(2,38)	1:B:161:SER:HA	1:B:161:SER:HB2	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:A:161:SER:HA	1:A:161:SER:HB2	18	0.46
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	3	0.46
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	6	0.46
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	3	0.46
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	6	0.46
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	3	0.46
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	6	0.46
(2,1623)	1:C:148:MET:H	1:C:148:MET:HG2	13	0.46
(2,1622)	1:B:148:MET:H	1:B:148:MET:HG2	13	0.46
(2,1621)	1:A:148:MET:H	1:A:148:MET:HG2	13	0.46
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	12	0.46
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	12	0.46
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	12	0.46
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	12	0.46
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	12	0.46
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	12	0.46
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	2	0.46
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	2	0.46
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	2	0.46
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	2	0.46
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	2	0.46
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	2	0.46
(2,1108)	1:D:142:LEU:HD22	1:D:139:ASP:HB2	4	0.46
(2,1108)	1:D:142:LEU:HD21	1:D:139:ASP:HB2	4	0.46
(2,1108)	1:D:142:LEU:HD23	1:D:139:ASP:HB2	4	0.46
(2,1107)	1:C:142:LEU:HD22	1:C:139:ASP:HB2	4	0.46
(2,1107)	1:C:142:LEU:HD21	1:C:139:ASP:HB2	4	0.46
(2,1107)	1:C:142:LEU:HD23	1:C:139:ASP:HB2	4	0.46
(2,1106)	1:B:142:LEU:HD22	1:B:139:ASP:HB2	4	0.46
(2,1106)	1:B:142:LEU:HD21	1:B:139:ASP:HB2	4	0.46
(2,1106)	1:B:142:LEU:HD23	1:B:139:ASP:HB2	4	0.46
(2,1105)	1:A:142:LEU:HD22	1:A:139:ASP:HB2	4	0.46
(2,1105)	1:A:142:LEU:HD21	1:A:139:ASP:HB2	4	0.46
(2,1105)	1:A:142:LEU:HD23	1:A:139:ASP:HB2	4	0.46
(1,83)	1:C:154:VAL:HG12	1:D:156:SER:HB2	13	0.46
(1,83)	1:C:154:VAL:HG11	1:D:156:SER:HB2	13	0.46
(1,83)	1:C:154:VAL:HG13	1:D:156:SER:HB2	13	0.46
(1,83)	1:C:154:VAL:HG12	1:B:156:SER:HB2	13	0.46
(1,83)	1:C:154:VAL:HG11	1:B:156:SER:HB2	13	0.46
(1,83)	1:C:154:VAL:HG13	1:B:156:SER:HB2	13	0.46
(1,81)	1:A:154:VAL:HG12	1:B:156:SER:HB2	13	0.46
(1,81)	1:A:154:VAL:HG11	1:B:156:SER:HB2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:A:154:VAL:HG13	1:B:156:SER:HB2	13	0.46
(1,81)	1:A:154:VAL:HG12	1:D:156:SER:HB2	13	0.46
(1,81)	1:A:154:VAL:HG11	1:D:156:SER:HB2	13	0.46
(1,81)	1:A:154:VAL:HG13	1:D:156:SER:HB2	13	0.46
(2,699)	1:C:163:ARG:HG2	1:C:162:ALA:HA	8	0.45
(2,698)	1:B:163:ARG:HG2	1:B:162:ALA:HA	8	0.45
(2,697)	1:A:163:ARG:HG2	1:A:162:ALA:HA	8	0.45
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	12	0.45
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	12	0.45
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	12	0.45
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	12	0.45
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	12	0.45
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	12	0.45
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	12	0.45
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	12	0.45
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	12	0.45
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	12	0.45
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	12	0.45
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	12	0.45
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	12	0.45
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	12	0.45
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	12	0.45
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	12	0.45
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	12	0.45
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	12	0.45
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	16	0.45
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	16	0.45
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	16	0.45
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	2	0.45
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	2	0.45
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	2	0.45
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	16	0.45
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	16	0.45
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	16	0.45
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	2	0.45
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	2	0.45
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	2	0.45
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	16	0.45
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	16	0.45
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	16	0.45
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	16	0.45
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	16	0.45
(1,82)	1:B:154:VAL:HG12	1:C:156:SER:HB2	13	0.45
(1,82)	1:B:154:VAL:HG11	1:C:156:SER:HB2	13	0.45
(1,82)	1:B:154:VAL:HG13	1:C:156:SER:HB2	13	0.45
(1,82)	1:B:154:VAL:HG12	1:A:156:SER:HB2	13	0.45
(1,82)	1:B:154:VAL:HG11	1:A:156:SER:HB2	13	0.45
(1,82)	1:B:154:VAL:HG13	1:A:156:SER:HB2	13	0.45
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	17	0.45
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	17	0.45
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	17	0.45
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	17	0.45
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	17	0.45
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	17	0.45
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	17	0.45
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	17	0.45
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	17	0.45
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	17	0.45
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	17	0.45
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	17	0.45
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	19	0.45
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	19	0.45
(2,2280)	1:D:146:LEU:H	1:D:142:LEU:HB3	3	0.44
(2,2279)	1:C:146:LEU:H	1:C:142:LEU:HB3	3	0.44
(2,2278)	1:B:146:LEU:H	1:B:142:LEU:HB3	3	0.44
(2,2277)	1:A:146:LEU:H	1:A:142:LEU:HB3	3	0.44
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	1	0.44
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	13	0.44
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	1	0.44
(2,1503)	1:C:163:ARG:H	1:C:163:ARG:HD2	5	0.44
(2,1501)	1:A:163:ARG:H	1:A:163:ARG:HD2	5	0.44
(2,136)	1:D:153:VAL:HA	1:D:156:SER:HB2	17	0.44
(2,135)	1:C:153:VAL:HA	1:C:156:SER:HB2	17	0.44
(2,134)	1:B:153:VAL:HA	1:B:156:SER:HB2	17	0.44
(2,133)	1:A:153:VAL:HA	1:A:156:SER:HB2	17	0.44
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	15	0.44
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	9	0.44
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	15	0.44
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	15	0.44
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	17	0.44
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	17	0.44
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	17	0.44
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	17	0.44
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	17	0.44
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	20	0.44
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	20	0.44
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	20	0.44
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	20	0.44
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	20	0.44
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	20	0.44
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	12	0.44
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	12	0.44
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	12	0.44
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	12	0.44
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	12	0.44
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	12	0.44
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	12	0.44
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	12	0.44
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	12	0.44
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	12	0.44
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	12	0.44
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	12	0.44
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	12	0.44
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	9	0.44
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	9	0.44
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	1	0.43
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	3	0.43
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	13	0.43
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	3	0.43
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	13	0.43
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	3	0.43
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	3	0.43
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1504)	1:D:163:ARG:H	1:D:163:ARG:HD2	5	0.43
(2,1502)	1:B:163:ARG:H	1:B:163:ARG:HD2	5	0.43
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	9	0.43
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	9	0.43
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	15	0.43
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	9	0.43
(1,84)	1:D:154:VAL:HG12	1:A:156:SER:HB2	13	0.43
(1,84)	1:D:154:VAL:HG11	1:A:156:SER:HB2	13	0.43
(1,84)	1:D:154:VAL:HG13	1:A:156:SER:HB2	13	0.43
(1,84)	1:D:154:VAL:HG12	1:C:156:SER:HB2	13	0.43
(1,84)	1:D:154:VAL:HG11	1:C:156:SER:HB2	13	0.43
(1,84)	1:D:154:VAL:HG13	1:C:156:SER:HB2	13	0.43
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	12	0.43
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	12	0.43
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	12	0.43
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	12	0.43
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	12	0.43
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	12	0.43
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	12	0.43
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	12	0.43
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	12	0.43
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	12	0.43
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	12	0.43
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	12	0.43
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	12	0.43
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	7	0.43
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	7	0.43
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	7	0.43
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	7	0.43
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	19	0.43
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	19	0.43
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	7	0.42
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	7	0.42
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	7	0.42
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	7	0.42
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	9	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	3	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	4	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	6	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	10	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	12	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	15	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	16	0.42
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	19	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	2	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	3	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	4	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	6	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	10	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	12	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	15	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	16	0.42
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	19	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	2	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	3	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	4	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	6	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	10	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	12	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	15	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	16	0.42
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	19	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	2	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	3	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	4	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	6	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	10	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	12	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	15	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	16	0.42
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	19	0.42
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	1	0.42
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	1	0.42
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	1	0.42
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	1	0.42
(2,1440)	1:D:144:GLU:H	1:D:144:GLU:HG3	4	0.42
(2,1439)	1:C:144:GLU:H	1:C:144:GLU:HG3	4	0.42
(2,1438)	1:B:144:GLU:H	1:B:144:GLU:HG3	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1437)	1:A:144:GLU:H	1:A:144:GLU:HG3	4	0.42
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	18	0.42
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	18	0.42
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	18	0.42
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	18	0.42
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	18	0.42
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	18	0.42
(2,1128)	1:D:138:ILE:HG22	1:D:142:LEU:HB3	18	0.42
(2,1128)	1:D:138:ILE:HG21	1:D:142:LEU:HB3	18	0.42
(2,1128)	1:D:138:ILE:HG23	1:D:142:LEU:HB3	18	0.42
(2,1127)	1:C:138:ILE:HG22	1:C:142:LEU:HB3	18	0.42
(2,1127)	1:C:138:ILE:HG21	1:C:142:LEU:HB3	18	0.42
(2,1127)	1:C:138:ILE:HG23	1:C:142:LEU:HB3	18	0.42
(2,1126)	1:B:138:ILE:HG22	1:B:142:LEU:HB3	18	0.42
(2,1126)	1:B:138:ILE:HG21	1:B:142:LEU:HB3	18	0.42
(2,1126)	1:B:138:ILE:HG23	1:B:142:LEU:HB3	18	0.42
(2,1125)	1:A:138:ILE:HG22	1:A:142:LEU:HB3	18	0.42
(2,1125)	1:A:138:ILE:HG21	1:A:142:LEU:HB3	18	0.42
(2,1125)	1:A:138:ILE:HG23	1:A:142:LEU:HB3	18	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	1	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	4	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	8	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	12	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	13	0.42
(2,1056)	1:D:126:SER:HA	1:D:126:SER:HB2	18	0.42
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	1	0.42
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	4	0.42
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	8	0.42
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	12	0.42
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	18	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	1	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	4	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	8	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	12	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	13	0.42
(2,1054)	1:B:126:SER:HA	1:B:126:SER:HB2	18	0.42
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	1	0.42
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	4	0.42
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	8	0.42
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	12	0.42
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	13	0.42
(2,1053)	1:A:126:SER:HA	1:A:126:SER:HB2	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	19	0.42
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	19	0.42
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	19	0.42
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	19	0.42
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	19	0.42
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	19	0.42
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	19	0.42
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	19	0.42
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	19	0.42
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	19	0.42
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	19	0.42
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	19	0.42
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	19	0.42
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	7	0.42
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	7	0.42
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	7	0.42
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	7	0.42
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	9	0.42
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	9	0.42
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	9	0.42
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	9	0.42
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	9	0.41
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	9	0.41
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	9	0.41
(2,540)	1:D:129:ASP:HA	1:D:129:ASP:HB2	13	0.41
(2,539)	1:C:129:ASP:HA	1:C:129:ASP:HB2	13	0.41
(2,538)	1:B:129:ASP:HA	1:B:129:ASP:HB2	13	0.41
(2,537)	1:A:129:ASP:HA	1:A:129:ASP:HB2	13	0.41
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	1	0.41
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	1	0.41
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	4	0.41
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	5	0.41
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	9	0.41
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	1	0.41
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	4	0.41
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	5	0.41
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	13	0.41
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	1	0.41
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	4	0.41
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	5	0.41
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	9	0.41
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	1	0.41
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	4	0.41
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	5	0.41
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	9	0.41
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	13	0.41
(2,1440)	1:D:144:GLU:H	1:D:144:GLU:HG3	17	0.41
(2,1439)	1:C:144:GLU:H	1:C:144:GLU:HG3	17	0.41
(2,1438)	1:B:144:GLU:H	1:B:144:GLU:HG3	17	0.41
(2,1437)	1:A:144:GLU:H	1:A:144:GLU:HG3	17	0.41
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	5	0.41
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	18	0.41
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	18	0.41
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	18	0.41
(2,1055)	1:C:126:SER:HA	1:C:126:SER:HB2	13	0.41
(1,83)	1:C:154:VAL:HG12	1:D:156:SER:HB2	8	0.41
(1,83)	1:C:154:VAL:HG11	1:D:156:SER:HB2	8	0.41
(1,83)	1:C:154:VAL:HG13	1:D:156:SER:HB2	8	0.41
(1,83)	1:C:154:VAL:HG12	1:B:156:SER:HB2	8	0.41
(1,83)	1:C:154:VAL:HG11	1:B:156:SER:HB2	8	0.41
(1,83)	1:C:154:VAL:HG13	1:B:156:SER:HB2	8	0.41
(1,81)	1:A:154:VAL:HG12	1:B:156:SER:HB2	8	0.41
(1,81)	1:A:154:VAL:HG11	1:B:156:SER:HB2	8	0.41
(1,81)	1:A:154:VAL:HG13	1:B:156:SER:HB2	8	0.41
(1,81)	1:A:154:VAL:HG12	1:D:156:SER:HB2	8	0.41
(1,81)	1:A:154:VAL:HG11	1:D:156:SER:HB2	8	0.41
(1,81)	1:A:154:VAL:HG13	1:D:156:SER:HB2	8	0.41
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	20	0.41
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	20	0.41
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	20	0.41
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	20	0.41
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	20	0.41
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	20	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	7	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	7	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	7	0.41
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	7	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	7	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	7	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	19	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	19	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	19	0.41
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	19	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	19	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	19	0.41
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	19	0.41
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	7	0.41
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	7	0.41
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	7	0.41
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	7	0.41
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	7	0.41
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	7	0.41
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	7	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	7	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	7	0.41
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	7	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	7	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	7	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	19	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	19	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	19	0.41
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	19	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	19	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	19	0.41
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	19	0.41
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	7	0.41
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	7	0.41
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	7	0.41
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	7	0.41
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	7	0.41
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	7	0.41
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	7	0.41
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	9	0.41
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	9	0.41
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	16	0.4
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	16	0.4
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	11	0.4
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	12	0.4
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	13	0.4
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	14	0.4
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	16	0.4
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	19	0.4
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	11	0.4
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	12	0.4
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	14	0.4
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	16	0.4
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	19	0.4
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	12	0.4
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	13	0.4
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	14	0.4
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	16	0.4
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	19	0.4
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	11	0.4
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	12	0.4
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	14	0.4
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	16	0.4
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	19	0.4
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	18	0.4
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	18	0.4
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	18	0.4
(1,82)	1:B:154:VAL:HG12	1:C:156:SER:HB2	8	0.4
(1,82)	1:B:154:VAL:HG11	1:C:156:SER:HB2	8	0.4
(1,82)	1:B:154:VAL:HG13	1:C:156:SER:HB2	8	0.4
(1,82)	1:B:154:VAL:HG12	1:A:156:SER:HB2	8	0.4
(1,82)	1:B:154:VAL:HG11	1:A:156:SER:HB2	8	0.4
(1,82)	1:B:154:VAL:HG13	1:A:156:SER:HB2	8	0.4
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	19	0.4
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	19	0.4
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	19	0.4
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	2	0.39
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	2	0.39
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	16	0.39
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	16	0.39
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	10	0.39
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	10	0.39
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	10	0.39
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	11	0.39
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	10	0.39
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	17	0.39
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	4	0.39
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	4	0.39
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	4	0.39
(1,84)	1:D:154:VAL:HG12	1:A:156:SER:HB2	8	0.39
(1,84)	1:D:154:VAL:HG11	1:A:156:SER:HB2	8	0.39
(1,84)	1:D:154:VAL:HG13	1:A:156:SER:HB2	8	0.39
(1,84)	1:D:154:VAL:HG12	1:C:156:SER:HB2	8	0.39
(1,84)	1:D:154:VAL:HG11	1:C:156:SER:HB2	8	0.39
(1,84)	1:D:154:VAL:HG13	1:C:156:SER:HB2	8	0.39
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	8	0.39
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	8	0.39
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	8	0.39
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	8	0.39
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	8	0.39
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	8	0.39
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	14	0.38
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	16	0.38
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	2	0.38
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	16	0.38
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	2	0.38
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	16	0.38
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	6	0.38
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	6	0.38
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	6	0.38
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	6	0.38
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	5	0.38
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	5	0.38
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	5	0.38
(2,1341)	1:A:144:GLU:HB2	1:B:146:LEU:HD12	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1341)	1:A:144:GLU:HB2	1:B:146:LEU:HD11	17	0.38
(2,1341)	1:A:144:GLU:HB2	1:B:146:LEU:HD13	17	0.38
(2,1341)	1:A:144:GLU:HB2	1:B:146:LEU:HD22	17	0.38
(2,1341)	1:A:144:GLU:HB2	1:B:146:LEU:HD21	17	0.38
(2,1341)	1:A:144:GLU:HB2	1:B:146:LEU:HD23	17	0.38
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	4	0.38
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	4	0.38
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	4	0.38
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	4	0.38
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	4	0.38
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	4	0.38
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	4	0.38
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	4	0.38
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	4	0.38
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	12	0.38
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	12	0.38
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	12	0.38
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	12	0.38
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	12	0.38
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	12	0.38
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	12	0.38
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	12	0.38
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	12	0.38
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	8	0.38
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	8	0.38
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	14	0.37
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	14	0.37
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	16	0.37
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	14	0.37
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	19	0.37
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	17	0.37
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	17	0.37
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	17	0.37
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	17	0.37
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	17	0.37
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	17	0.37
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	17	0.37
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	17	0.37
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	17	0.37
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	17	0.37
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	17	0.37
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	18	0.37
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	18	0.37
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	18	0.37
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	18	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	2	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	4	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	8	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	9	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	10	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	11	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	12	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	15	0.37
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	20	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	1	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	2	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	4	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	8	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	9	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	10	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	15	0.37
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	20	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	2	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	9	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	10	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	11	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	12	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	15	0.37
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	20	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	2	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	4	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	8	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	9	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	10	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	11	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	12	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	15	0.37
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	20	0.37
(2,1344)	1:D:144:GLU:HB2	1:A:146:LEU:HD12	17	0.37
(2,1344)	1:D:144:GLU:HB2	1:A:146:LEU:HD11	17	0.37
(2,1344)	1:D:144:GLU:HB2	1:A:146:LEU:HD13	17	0.37
(2,1344)	1:D:144:GLU:HB2	1:A:146:LEU:HD22	17	0.37
(2,1344)	1:D:144:GLU:HB2	1:A:146:LEU:HD21	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1344)	1:D:144:GLU:HB2	1:A:146:LEU:HD23	17	0.37
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	12	0.37
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	12	0.37
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	12	0.37
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	20	0.37
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	20	0.37
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	20	0.37
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	20	0.37
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	20	0.37
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	20	0.37
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	20	0.37
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	20	0.37
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	20	0.37
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	20	0.37
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	20	0.37
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	20	0.37
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	17	0.37
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	17	0.37
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	17	0.37
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	17	0.37
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	17	0.37
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	17	0.37
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	17	0.37
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	17	0.37
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	17	0.37
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	17	0.37
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	17	0.37
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	17	0.37
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	17	0.37
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	7	0.37
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	7	0.37
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	19	0.36
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	19	0.36
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	19	0.36
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	5	0.36
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	5	0.36
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	5	0.36
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	5	0.36
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	5	0.36
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	5	0.36
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	5	0.36
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	5	0.36
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	5	0.36
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	5	0.36
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	5	0.36
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	2	0.36
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	2	0.36
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	2	0.36
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	2	0.36
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	17	0.36
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	17	0.36
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	17	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	1	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	3	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	6	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	7	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	13	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	14	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	16	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	17	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	18	0.36
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	19	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	3	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	6	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	7	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	11	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	12	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	13	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	14	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	16	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	17	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	18	0.36
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	19	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	1	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	3	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	4	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	6	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	8	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	13	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	14	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	16	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	17	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	18	0.36
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	19	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	1	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	3	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	6	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	7	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	13	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	14	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	16	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	17	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	18	0.36
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	19	0.36
(2,1343)	1:C:144:GLU:HB2	1:D:146:LEU:HD12	17	0.36
(2,1343)	1:C:144:GLU:HB2	1:D:146:LEU:HD11	17	0.36
(2,1343)	1:C:144:GLU:HB2	1:D:146:LEU:HD13	17	0.36
(2,1343)	1:C:144:GLU:HB2	1:D:146:LEU:HD22	17	0.36
(2,1343)	1:C:144:GLU:HB2	1:D:146:LEU:HD21	17	0.36
(2,1343)	1:C:144:GLU:HB2	1:D:146:LEU:HD23	17	0.36
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	2	0.36
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	2	0.36
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	2	0.36
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	9	0.36
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	9	0.36
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	9	0.36
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	2	0.36
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	2	0.36
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	2	0.36
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	2	0.36
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	2	0.36
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	2	0.36
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	9	0.36
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	9	0.36
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	9	0.36
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	14	0.36
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	14	0.36
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	14	0.36
(2,1248)	1:D:137:ARG:HG2	1:D:141:LYS:HE2	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	18	0.36
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	18	0.36
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	18	0.36
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	18	0.36
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	18	0.36
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	18	0.36
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	18	0.36
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	18	0.36
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	18	0.36
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	18	0.36
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	18	0.36
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	18	0.36
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	16	0.36
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	16	0.36
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	16	0.36
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	16	0.36
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	16	0.36
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	16	0.36
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	16	0.36
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	16	0.36
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	16	0.36
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	16	0.36
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	16	0.36
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	16	0.36
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	16	0.36
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	16	0.36
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	16	0.36
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	16	0.36
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	16	0.36
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	16	0.36
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	17	0.36
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	17	0.36
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	17	0.36
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	17	0.36
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	17	0.36
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	17	0.36
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	17	0.36
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	7	0.36
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	7	0.36
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	7	0.36
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	7	0.36
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	5	0.36
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	5	0.36
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	7	0.36
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	7	0.36
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	10	0.36
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	10	0.36
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	10	0.36
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	10	0.36
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	10	0.36
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	10	0.36
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	11	0.36
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	11	0.36
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	11	0.36
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	11	0.36
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	11	0.36
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	11	0.36
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	5	0.35
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	5	0.35
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	5	0.35
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	5	0.35
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	14	0.35
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	5	0.35
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	5	0.35
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	5	0.35
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	14	0.35
(2,336)	1:D:141:LYS:HE3	1:D:137:ARG:HB2	3	0.35
(2,335)	1:C:141:LYS:HE3	1:C:137:ARG:HB2	3	0.35
(2,334)	1:B:141:LYS:HE3	1:B:137:ARG:HB2	3	0.35
(2,333)	1:A:141:LYS:HE3	1:A:137:ARG:HB2	3	0.35
(2,2216)	1:D:157:ALA:H	1:D:156:SER:HB2	20	0.35
(2,2215)	1:C:157:ALA:H	1:C:156:SER:HB2	20	0.35
(2,2214)	1:B:157:ALA:H	1:B:156:SER:HB2	20	0.35
(2,2213)	1:A:157:ALA:H	1:A:156:SER:HB2	20	0.35
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	8	0.35
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	8	0.35
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	8	0.35
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	8	0.35
(2,1342)	1:B:144:GLU:HB2	1:C:146:LEU:HD12	17	0.35
(2,1342)	1:B:144:GLU:HB2	1:C:146:LEU:HD11	17	0.35
(2,1342)	1:B:144:GLU:HB2	1:C:146:LEU:HD13	17	0.35
(2,1342)	1:B:144:GLU:HB2	1:C:146:LEU:HD22	17	0.35
(2,1342)	1:B:144:GLU:HB2	1:C:146:LEU:HD21	17	0.35
(2,1342)	1:B:144:GLU:HB2	1:C:146:LEU:HD23	17	0.35
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	5	0.35
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	5	0.35
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	5	0.35
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	9	0.35
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	9	0.35
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	9	0.35
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	2	0.35
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	2	0.35
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	2	0.35
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	14	0.35
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	14	0.35
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	14	0.35
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	9	0.35
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	9	0.35
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	9	0.35
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	14	0.35
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	14	0.35
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1247)	1:C:137:ARG:HG2	1:C:141:LYS:HE2	3	0.35
(2,1246)	1:B:137:ARG:HG2	1:B:141:LYS:HE2	3	0.35
(2,1245)	1:A:137:ARG:HG2	1:A:141:LYS:HE2	3	0.35
(2,1240)	1:D:138:ILE:HG22	1:D:141:LYS:HB3	1	0.35
(2,1240)	1:D:138:ILE:HG21	1:D:141:LYS:HB3	1	0.35
(2,1240)	1:D:138:ILE:HG23	1:D:141:LYS:HB3	1	0.35
(2,1238)	1:B:138:ILE:HG22	1:B:141:LYS:HB3	1	0.35
(2,1238)	1:B:138:ILE:HG21	1:B:141:LYS:HB3	1	0.35
(2,1238)	1:B:138:ILE:HG23	1:B:141:LYS:HB3	1	0.35
(2,1237)	1:A:138:ILE:HG22	1:A:141:LYS:HB3	1	0.35
(2,1237)	1:A:138:ILE:HG21	1:A:141:LYS:HB3	1	0.35
(2,1237)	1:A:138:ILE:HG23	1:A:141:LYS:HB3	1	0.35
(2,1175)	1:C:152:LEU:HD12	1:D:156:SER:HB2	8	0.35
(2,1175)	1:C:152:LEU:HD11	1:D:156:SER:HB2	8	0.35
(2,1175)	1:C:152:LEU:HD13	1:D:156:SER:HB2	8	0.35
(2,1174)	1:B:152:LEU:HD12	1:C:156:SER:HB2	8	0.35
(2,1174)	1:B:152:LEU:HD11	1:C:156:SER:HB2	8	0.35
(2,1174)	1:B:152:LEU:HD13	1:C:156:SER:HB2	8	0.35
(2,1173)	1:A:152:LEU:HD12	1:B:156:SER:HB2	8	0.35
(2,1173)	1:A:152:LEU:HD11	1:B:156:SER:HB2	8	0.35
(2,1173)	1:A:152:LEU:HD13	1:B:156:SER:HB2	8	0.35
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	8	0.35
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	8	0.35
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	8	0.35
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	8	0.35
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	8	0.35
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	8	0.35
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	1	0.35
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	1	0.35
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	1	0.35
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	1	0.35
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	1	0.35
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	1	0.35
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	2	0.35
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	2	0.35
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	2	0.35
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	2	0.35
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	2	0.35
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	2	0.35
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	15	0.35
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	15	0.35
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	15	0.35
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	15	0.35
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	15	0.35
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	11	0.35
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	11	0.35
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	11	0.35
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	11	0.35
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	11	0.35
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	11	0.35
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	15	0.35
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	15	0.35
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	15	0.35
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	15	0.35
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	15	0.35
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	15	0.35
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	17	0.35
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	17	0.35
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	17	0.35
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	17	0.35
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	17	0.35
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	17	0.35
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	17	0.35
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	11	0.35
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	11	0.35
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	11	0.35
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	11	0.35
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	11	0.35
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	11	0.35
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	10	0.35
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	10	0.35
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	10	0.35
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	10	0.35
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	10	0.35
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	10	0.35
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	17	0.34
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	7	0.34
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	7	0.34
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	7	0.34
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	7	0.34
(2,1379)	1:C:149:LEU:H	1:C:149:LEU:HB3	5	0.34
(2,1378)	1:B:149:LEU:H	1:B:149:LEU:HB3	5	0.34
(2,1377)	1:A:149:LEU:H	1:A:149:LEU:HB3	5	0.34
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	20	0.34
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	20	0.34
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	20	0.34
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	5	0.34
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	5	0.34
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	5	0.34
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	13	0.34
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	13	0.34
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	13	0.34
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	5	0.34
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	5	0.34
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	5	0.34
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	5	0.34
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	5	0.34
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	5	0.34
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	6	0.34
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	6	0.34
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	6	0.34
(2,1239)	1:C:138:ILE:HG22	1:C:141:LYS:HB3	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1239)	1:C:138:ILE:HG21	1:C:141:LYS:HB3	1	0.34
(2,1239)	1:C:138:ILE:HG23	1:C:141:LYS:HB3	1	0.34
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	2	0.34
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	2	0.34
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	2	0.34
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	19	0.34
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	19	0.34
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	19	0.34
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	19	0.34
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	19	0.34
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	19	0.34
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	19	0.34
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	19	0.34
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	19	0.34
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	19	0.34
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	19	0.34
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	19	0.34
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	13	0.34
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	2	0.34
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	2	0.34
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	2	0.34
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	2	0.34
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	2	0.34
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	2	0.34
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	8	0.34
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	8	0.34
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	8	0.34
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	8	0.34
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	8	0.34
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	8	0.34
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	15	0.34
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	15	0.34
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	15	0.34
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	15	0.34
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	15	0.34
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	15	0.34
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	11	0.34
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	11	0.34
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	11	0.34
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	11	0.34
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	11	0.34
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	15	0.34
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	15	0.34
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	15	0.34
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	15	0.34
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	15	0.34
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	15	0.34
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	8	0.34
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	8	0.34
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	8	0.34
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	8	0.34
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	8	0.34
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	8	0.34
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	16	0.34
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	16	0.34
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	16	0.34
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	16	0.34
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	16	0.34
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	16	0.34
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	1	0.34
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	1	0.34
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	1	0.34
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	1	0.34
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	1	0.34
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	1	0.34
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	8	0.34
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	8	0.34
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	8	0.34
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	8	0.34
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	8	0.34
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	8	0.34
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	14	0.34
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	14	0.34
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	14	0.34
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	14	0.34
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	14	0.34
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	14	0.34
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	14	0.34
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	14	0.34
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	14	0.34
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	14	0.34
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	14	0.34
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	14	0.34
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	14	0.34
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	14	0.34
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	14	0.34
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	14	0.34
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	14	0.34
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	11	0.34
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	11	0.34
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	11	0.34
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	11	0.34
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	11	0.34
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	11	0.34
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	11	0.34
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	11	0.34
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	11	0.34
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	11	0.34
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	11	0.34
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	11	0.34
(2,512)	1:D:131:ILE:HD12	1:D:131:ILE:HA	13	0.33
(2,512)	1:D:131:ILE:HD11	1:D:131:ILE:HA	13	0.33
(2,512)	1:D:131:ILE:HD13	1:D:131:ILE:HA	13	0.33
(2,511)	1:C:131:ILE:HD12	1:C:131:ILE:HA	13	0.33
(2,511)	1:C:131:ILE:HD11	1:C:131:ILE:HA	13	0.33
(2,511)	1:C:131:ILE:HD13	1:C:131:ILE:HA	13	0.33
(2,510)	1:B:131:ILE:HD12	1:B:131:ILE:HA	13	0.33
(2,510)	1:B:131:ILE:HD11	1:B:131:ILE:HA	13	0.33
(2,510)	1:B:131:ILE:HD13	1:B:131:ILE:HA	13	0.33
(2,509)	1:A:131:ILE:HD12	1:A:131:ILE:HA	13	0.33
(2,509)	1:A:131:ILE:HD11	1:A:131:ILE:HA	13	0.33
(2,509)	1:A:131:ILE:HD13	1:A:131:ILE:HA	13	0.33
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	14	0.33
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	14	0.33
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	20	0.33
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	20	0.33
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	20	0.33
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	17	0.33
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	17	0.33
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	17	0.33
(2,1380)	1:D:149:LEU:H	1:D:149:LEU:HB3	5	0.33
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	1	0.33
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	1	0.33
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	6	0.33
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	6	0.33
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	6	0.33
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	14	0.33
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	14	0.33
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	14	0.33
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	16	0.33
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	16	0.33
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	16	0.33
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	1	0.33
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	1	0.33
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	1	0.33
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	6	0.33
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	6	0.33
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	6	0.33
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	16	0.33
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	16	0.33
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	16	0.33
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	20	0.33
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	20	0.33
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	20	0.33
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	1	0.33
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	1	0.33
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	1	0.33
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	6	0.33
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	6	0.33
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	6	0.33
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	20	0.33
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	20	0.33
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	20	0.33
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	16	0.33
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	16	0.33
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	16	0.33
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	20	0.33
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	20	0.33
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	20	0.33
(2,1184)	1:D:149:LEU:HD22	1:C:148:MET:HB2	17	0.33
(2,1184)	1:D:149:LEU:HD21	1:C:148:MET:HB2	17	0.33
(2,1184)	1:D:149:LEU:HD23	1:C:148:MET:HB2	17	0.33
(2,1181)	1:A:149:LEU:HD22	1:D:148:MET:HB2	17	0.33
(2,1181)	1:A:149:LEU:HD21	1:D:148:MET:HB2	17	0.33
(2,1181)	1:A:149:LEU:HD23	1:D:148:MET:HB2	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	11	0.33
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	11	0.33
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	11	0.33
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	11	0.33
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	2	0.33
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	13	0.33
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	13	0.33
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	13	0.33
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	1	0.33
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	1	0.33
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	1	0.33
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	1	0.33
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	1	0.33
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	1	0.33
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	1	0.33
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	1	0.33
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	1	0.33
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	1	0.33
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	1	0.33
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	1	0.33
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	2	0.33
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	2	0.33
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	2	0.33
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	2	0.33
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	2	0.33
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	2	0.33
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	6	0.33
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	6	0.33
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	6	0.33
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	6	0.33
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	6	0.33
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	6	0.33
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	14	0.33
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	14	0.33
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	14	0.33
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	14	0.33
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	14	0.33
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	14	0.33
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	5	0.33
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	5	0.33
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	10	0.33
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	10	0.33
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	10	0.33
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	10	0.33
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	10	0.33
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	10	0.33
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	10	0.33
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	10	0.33
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	10	0.33
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	10	0.33
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	10	0.33
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	6	0.32
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	6	0.32
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	6	0.32
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	6	0.32
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	20	0.32
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	20	0.32
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	19	0.32
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	19	0.32
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	19	0.32
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	19	0.32
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	3	0.32
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	3	0.32
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	3	0.32
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	3	0.32
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	3	0.32
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	3	0.32
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	16	0.32
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	16	0.32
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	16	0.32
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	1	0.32
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	1	0.32
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	1	0.32
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	3	0.32
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	3	0.32
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	3	0.32
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	13	0.32
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	13	0.32
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	13	0.32
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB2	17	0.32
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB1	17	0.32
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB3	17	0.32
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB2	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB1	17	0.32
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB3	17	0.32
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	11	0.32
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	11	0.32
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	11	0.32
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	11	0.32
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	11	0.32
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	11	0.32
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	2	0.32
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	2	0.32
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	2	0.32
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	2	0.32
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	2	0.32
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	2	0.32
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	6	0.32
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	6	0.32
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	6	0.32
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	6	0.32
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	6	0.32
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	6	0.32
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	5	0.32
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	5	0.32
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	5	0.32
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	5	0.32
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	5	0.32
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	5	0.32
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	5	0.32
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	5	0.32
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	5	0.32
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	5	0.32
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	5	0.32
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	5	0.32
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	5	0.32
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	5	0.32
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	5	0.32
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	5	0.32
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	5	0.32
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	5	0.32
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	5	0.32
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	8	0.32
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	8	0.32
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	8	0.32
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	8	0.32
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	8	0.32
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	8	0.32
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	16	0.31
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	16	0.31
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	17	0.31
(2,512)	1:D:131:ILE:HD12	1:D:131:ILE:HA	8	0.31
(2,512)	1:D:131:ILE:HD11	1:D:131:ILE:HA	8	0.31
(2,512)	1:D:131:ILE:HD13	1:D:131:ILE:HA	8	0.31
(2,511)	1:C:131:ILE:HD12	1:C:131:ILE:HA	8	0.31
(2,511)	1:C:131:ILE:HD11	1:C:131:ILE:HA	8	0.31
(2,511)	1:C:131:ILE:HD13	1:C:131:ILE:HA	8	0.31
(2,510)	1:B:131:ILE:HD12	1:B:131:ILE:HA	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,510)	1:B:131:ILE:HD11	1:B:131:ILE:HA	8	0.31
(2,510)	1:B:131:ILE:HD13	1:B:131:ILE:HA	8	0.31
(2,509)	1:A:131:ILE:HD12	1:A:131:ILE:HA	8	0.31
(2,509)	1:A:131:ILE:HD11	1:A:131:ILE:HA	8	0.31
(2,509)	1:A:131:ILE:HD13	1:A:131:ILE:HA	8	0.31
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	8	0.31
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	20	0.31
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	8	0.31
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	20	0.31
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	8	0.31
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	8	0.31
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	11	0.31
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	11	0.31
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	11	0.31
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	13	0.31
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	13	0.31
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	13	0.31
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	15	0.31
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	15	0.31
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	15	0.31
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	8	0.31
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	8	0.31
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	8	0.31
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	10	0.31
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	10	0.31
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	10	0.31
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	3	0.31
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	3	0.31
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	3	0.31
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	11	0.31
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	11	0.31
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	11	0.31
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	13	0.31
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	13	0.31
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	13	0.31
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	15	0.31
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	15	0.31
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	15	0.31
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	11	0.31
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	11	0.31
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	11	0.31
(2,1183)	1:C:149:LEU:HD22	1:B:148:MET:HB2	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1183)	1:C:149:LEU:HD21	1:B:148:MET:HB2	17	0.31
(2,1183)	1:C:149:LEU:HD23	1:B:148:MET:HB2	17	0.31
(2,1182)	1:B:149:LEU:HD22	1:A:148:MET:HB2	17	0.31
(2,1182)	1:B:149:LEU:HD21	1:A:148:MET:HB2	17	0.31
(2,1182)	1:B:149:LEU:HD23	1:A:148:MET:HB2	17	0.31
(2,1176)	1:D:152:LEU:HD12	1:A:156:SER:HB2	8	0.31
(2,1176)	1:D:152:LEU:HD11	1:A:156:SER:HB2	8	0.31
(2,1176)	1:D:152:LEU:HD13	1:A:156:SER:HB2	8	0.31
(2,1175)	1:C:152:LEU:HD12	1:D:156:SER:HB2	13	0.31
(2,1175)	1:C:152:LEU:HD11	1:D:156:SER:HB2	13	0.31
(2,1175)	1:C:152:LEU:HD13	1:D:156:SER:HB2	13	0.31
(2,1174)	1:B:152:LEU:HD12	1:C:156:SER:HB2	13	0.31
(2,1174)	1:B:152:LEU:HD11	1:C:156:SER:HB2	13	0.31
(2,1174)	1:B:152:LEU:HD13	1:C:156:SER:HB2	13	0.31
(2,1173)	1:A:152:LEU:HD12	1:B:156:SER:HB2	13	0.31
(2,1173)	1:A:152:LEU:HD11	1:B:156:SER:HB2	13	0.31
(2,1173)	1:A:152:LEU:HD13	1:B:156:SER:HB2	13	0.31
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	4	0.31
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	4	0.31
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	4	0.31
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	4	0.31
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	4	0.31
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	4	0.31
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	7	0.31
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	7	0.31
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	7	0.31
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	4	0.31
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	4	0.31
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	4	0.31
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	4	0.31
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	4	0.31
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	4	0.31
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB2	17	0.31
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB1	17	0.31
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB3	17	0.31
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB2	17	0.31
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB1	17	0.31
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB3	17	0.31
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	12	0.31
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	12	0.31
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	12	0.31
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:A:127:THR:HG21	1:B:127:THR:HA	1	0.31
(1,621)	1:A:127:THR:HG22	1:B:127:THR:HA	1	0.31
(1,621)	1:A:127:THR:HG23	1:B:127:THR:HA	1	0.31
(1,621)	1:A:127:THR:HG21	1:D:127:THR:HA	1	0.31
(1,621)	1:A:127:THR:HG22	1:D:127:THR:HA	1	0.31
(1,621)	1:A:127:THR:HG23	1:D:127:THR:HA	1	0.31
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	6	0.31
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	6	0.31
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	6	0.31
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	6	0.31
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	6	0.31
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	6	0.31
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	11	0.31
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	11	0.31
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	11	0.31
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	11	0.31
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	11	0.31
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	11	0.31
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	5	0.31
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	5	0.31
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	5	0.31
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	5	0.31
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	5	0.31
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	5	0.31
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	5	0.31
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	5	0.31
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	5	0.31
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	1	0.31
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	1	0.31
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	5	0.31
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	5	0.31
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	17	0.3
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	17	0.3
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	17	0.3
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	17	0.3
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	17	0.3
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	17	0.3
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	17	0.3
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	17	0.3
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	17	0.3
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	17	0.3
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	17	0.3
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	17	0.3
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	5	0.3
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	5	0.3
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	5	0.3
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	5	0.3
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	5	0.3
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	5	0.3
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	5	0.3
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	5	0.3
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	5	0.3
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	16	0.3
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	16	0.3
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	17	0.3
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	20	0.3
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	17	0.3
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	20	0.3
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	17	0.3
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	20	0.3
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	12	0.3
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	12	0.3
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	12	0.3
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	20	0.3
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	15	0.3
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	15	0.3
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	15	0.3
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	15	0.3
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG21	5	0.3
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG22	5	0.3
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG23	5	0.3
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG21	5	0.3
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG22	5	0.3
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG23	5	0.3
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG21	5	0.3
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG22	5	0.3
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG23	5	0.3
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	11	0.3
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	11	0.3
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	11	0.3
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	15	0.3
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	15	0.3
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	15	0.3
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	15	0.3
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	15	0.3
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	15	0.3
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	7	0.3
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	7	0.3
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	7	0.3
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	7	0.3
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	7	0.3
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	7	0.3
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	7	0.3
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	7	0.3
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	7	0.3
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB2	8	0.3
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB1	8	0.3
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB3	8	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB2	8	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB1	8	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB3	8	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB2	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB1	13	0.3
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB3	13	0.3
(1,623)	1:C:127:THR:HG21	1:D:127:THR:HA	1	0.3
(1,623)	1:C:127:THR:HG22	1:D:127:THR:HA	1	0.3
(1,623)	1:C:127:THR:HG23	1:D:127:THR:HA	1	0.3
(1,623)	1:C:127:THR:HG21	1:B:127:THR:HA	1	0.3
(1,623)	1:C:127:THR:HG22	1:B:127:THR:HA	1	0.3
(1,623)	1:C:127:THR:HG23	1:B:127:THR:HA	1	0.3
(1,622)	1:B:127:THR:HG21	1:C:127:THR:HA	1	0.3
(1,622)	1:B:127:THR:HG22	1:C:127:THR:HA	1	0.3
(1,622)	1:B:127:THR:HG23	1:C:127:THR:HA	1	0.3
(1,622)	1:B:127:THR:HG21	1:A:127:THR:HA	1	0.3
(1,622)	1:B:127:THR:HG22	1:A:127:THR:HA	1	0.3
(1,622)	1:B:127:THR:HG23	1:A:127:THR:HA	1	0.3
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	6	0.3
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	6	0.3
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	6	0.3
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	6	0.3
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	6	0.3
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	6	0.3
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	17	0.3
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	17	0.3
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	17	0.3
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	17	0.3
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	17	0.3
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	17	0.3
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	17	0.3
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	17	0.3
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	17	0.3
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	17	0.3
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	17	0.3
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	17	0.3
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	17	0.3
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	17	0.3
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	17	0.3
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	17	0.3
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	17	0.3
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	17	0.3
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	17	0.3
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	17	0.3
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	17	0.3
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	17	0.3
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	17	0.3
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	1	0.3
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	1	0.3
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	1	0.3
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	1	0.3
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	1	0.3
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	1	0.3
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	5	0.29
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	5	0.29
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	5	0.29
(2,648)	1:D:141:LYS:HE2	1:D:141:LYS:HG2	1	0.29
(2,648)	1:D:141:LYS:HE2	1:D:141:LYS:HG2	16	0.29
(2,647)	1:C:141:LYS:HE2	1:C:141:LYS:HG2	1	0.29
(2,647)	1:C:141:LYS:HE2	1:C:141:LYS:HG2	16	0.29
(2,646)	1:B:141:LYS:HE2	1:B:141:LYS:HG2	1	0.29
(2,645)	1:A:141:LYS:HE2	1:A:141:LYS:HG2	1	0.29
(2,645)	1:A:141:LYS:HE2	1:A:141:LYS:HG2	2	0.29
(2,645)	1:A:141:LYS:HE2	1:A:141:LYS:HG2	16	0.29
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	15	0.29
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	15	0.29
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	15	0.29
(2,512)	1:D:131:ILE:HD12	1:D:131:ILE:HA	10	0.29
(2,512)	1:D:131:ILE:HD11	1:D:131:ILE:HA	10	0.29
(2,512)	1:D:131:ILE:HD13	1:D:131:ILE:HA	10	0.29
(2,511)	1:C:131:ILE:HD12	1:C:131:ILE:HA	10	0.29
(2,511)	1:C:131:ILE:HD11	1:C:131:ILE:HA	10	0.29
(2,511)	1:C:131:ILE:HD13	1:C:131:ILE:HA	10	0.29
(2,510)	1:B:131:ILE:HD12	1:B:131:ILE:HA	10	0.29
(2,510)	1:B:131:ILE:HD11	1:B:131:ILE:HA	10	0.29
(2,510)	1:B:131:ILE:HD13	1:B:131:ILE:HA	10	0.29
(2,509)	1:A:131:ILE:HD12	1:A:131:ILE:HA	10	0.29
(2,509)	1:A:131:ILE:HD11	1:A:131:ILE:HA	10	0.29
(2,509)	1:A:131:ILE:HD13	1:A:131:ILE:HA	10	0.29
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	14	0.29
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	14	0.29
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	14	0.29
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	14	0.29
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	17	0.29
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	17	0.29
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	17	0.29
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	15	0.29
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	15	0.29
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	15	0.29
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG21	5	0.29
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG22	5	0.29
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG23	5	0.29
(2,1948)	1:D:145:ILE:H	1:D:144:GLU:HB2	17	0.29
(2,1947)	1:C:145:ILE:H	1:C:144:GLU:HB2	17	0.29
(2,1946)	1:B:145:ILE:H	1:B:144:GLU:HB2	17	0.29
(2,1945)	1:A:145:ILE:H	1:A:144:GLU:HB2	17	0.29
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	10	0.29
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	10	0.29
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	10	0.29
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	10	0.29
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	10	0.29
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	10	0.29
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	8	0.29
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	8	0.29
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	8	0.29
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	10	0.29
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	10	0.29
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	10	0.29
(2,1176)	1:D:152:LEU:HD12	1:A:156:SER:HB2	13	0.29
(2,1176)	1:D:152:LEU:HD11	1:A:156:SER:HB2	13	0.29
(2,1176)	1:D:152:LEU:HD13	1:A:156:SER:HB2	13	0.29
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	2	0.29
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	2	0.29
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	2	0.29
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	2	0.29
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	2	0.29
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	2	0.29
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	2	0.29
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	2	0.29
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	2	0.29
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	2	0.29
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	2	0.29
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	2	0.29
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB2	13	0.29
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB1	13	0.29
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB3	13	0.29
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	2	0.29
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	8	0.29
(1,624)	1:D:127:THR:HG21	1:A:127:THR:HA	1	0.29
(1,624)	1:D:127:THR:HG22	1:A:127:THR:HA	1	0.29
(1,624)	1:D:127:THR:HG23	1:A:127:THR:HA	1	0.29
(1,624)	1:D:127:THR:HG21	1:C:127:THR:HA	1	0.29
(1,624)	1:D:127:THR:HG22	1:C:127:THR:HA	1	0.29
(1,624)	1:D:127:THR:HG23	1:C:127:THR:HA	1	0.29
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	10	0.29
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	10	0.29
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	10	0.29
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	10	0.29
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	10	0.29
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	10	0.29
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	16	0.29
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	16	0.29
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	16	0.29
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	16	0.29
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	16	0.29
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	16	0.29
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	2	0.29
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	2	0.29
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	2	0.29
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	2	0.29
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	2	0.29
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	2	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	6	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	6	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	6	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	6	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	6	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	6	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	10	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	10	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	10	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	10	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	10	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	10	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	11	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	11	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	11	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	11	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	11	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	16	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	16	0.29
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	16	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	16	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	16	0.29
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	16	0.29
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	6	0.29
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	6	0.29
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	4	0.28
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	4	0.28
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	4	0.28
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	4	0.28
(2,648)	1:D:141:LYS:HE2	1:D:141:LYS:HG2	2	0.28
(2,647)	1:C:141:LYS:HE2	1:C:141:LYS:HG2	2	0.28
(2,646)	1:B:141:LYS:HE2	1:B:141:LYS:HG2	2	0.28
(2,646)	1:B:141:LYS:HE2	1:B:141:LYS:HG2	16	0.28
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	15	0.28
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	4	0.28
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	6	0.28
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	4	0.28
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	6	0.28
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	4	0.28
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	6	0.28
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	4	0.28
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	6	0.28
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	9	0.28
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	8	0.28
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	10	0.28
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	13	0.28
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	8	0.28
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	12	0.28
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	13	0.28
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	8	0.28
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	10	0.28
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	13	0.28
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	10	0.28
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	13	0.28
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	19	0.28
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	17	0.28
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	7	0.28
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	7	0.28
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	7	0.28
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	8	0.28
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	8	0.28
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	8	0.28
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	19	0.28
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	19	0.28
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	19	0.28
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	8	0.28
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	8	0.28
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	8	0.28
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	9	0.28
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	9	0.28
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	9	0.28
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	9	0.28
(2,1128)	1:D:138:ILE:HG22	1:D:142:LEU:HB3	4	0.28
(2,1128)	1:D:138:ILE:HG21	1:D:142:LEU:HB3	4	0.28
(2,1128)	1:D:138:ILE:HG23	1:D:142:LEU:HB3	4	0.28
(2,1127)	1:C:138:ILE:HG22	1:C:142:LEU:HB3	4	0.28
(2,1127)	1:C:138:ILE:HG21	1:C:142:LEU:HB3	4	0.28
(2,1127)	1:C:138:ILE:HG23	1:C:142:LEU:HB3	4	0.28
(2,1126)	1:B:138:ILE:HG22	1:B:142:LEU:HB3	4	0.28
(2,1126)	1:B:138:ILE:HG21	1:B:142:LEU:HB3	4	0.28
(2,1126)	1:B:138:ILE:HG23	1:B:142:LEU:HB3	4	0.28
(2,1125)	1:A:138:ILE:HG22	1:A:142:LEU:HB3	4	0.28
(2,1125)	1:A:138:ILE:HG21	1:A:142:LEU:HB3	4	0.28
(2,1125)	1:A:138:ILE:HG23	1:A:142:LEU:HB3	4	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	1	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	1	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	1	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	11	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	11	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	11	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	14	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	14	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	14	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	16	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	16	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	16	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	20	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	20	0.28
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	1	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	1	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	1	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	11	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	11	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	11	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	14	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	14	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	14	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	16	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	16	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	16	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	20	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	20	0.28
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	20	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	1	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	1	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	1	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	11	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	11	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	11	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	14	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	14	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	14	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	16	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	16	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	16	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	20	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	20	0.28
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	20	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	1	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	1	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	1	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	11	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	11	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	11	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	14	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	14	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	14	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	16	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	16	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	20	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	20	0.28
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	20	0.28
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB2	8	0.28
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB1	8	0.28
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB3	8	0.28
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB2	8	0.28
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB1	8	0.28
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB3	8	0.28
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	7	0.28
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	8	0.28
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	10	0.28
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	2	0.28
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	8	0.28
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	10	0.28
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	2	0.28
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	7	0.28
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	8	0.28
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	10	0.28
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	7	0.28
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	10	0.28
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	18	0.28
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	18	0.28
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	18	0.28
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	18	0.28
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	18	0.28
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	18	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	1	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	1	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	1	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	1	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	1	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	1	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	2	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	2	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	2	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	2	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	2	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	2	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	6	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	6	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	6	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	6	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	6	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	8	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	8	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	8	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	8	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	8	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	8	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	10	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	10	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	10	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	10	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	10	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	10	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	11	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	11	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	11	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	11	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	11	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	11	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	16	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	16	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	16	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	16	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	16	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	16	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	20	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	20	0.28
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	20	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	20	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	20	0.28
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	20	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	1	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	1	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	1	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	1	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	1	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	1	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	6	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	6	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	6	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	6	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	6	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	8	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	8	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	8	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	8	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	8	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	8	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	11	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	11	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	11	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	11	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	11	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	11	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	20	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	20	0.28
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	20	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	20	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	20	0.28
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	20	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	1	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	1	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	1	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	1	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	1	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	1	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	6	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	6	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	6	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	6	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	6	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	6	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	8	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	8	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	8	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	8	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	8	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	8	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	10	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	10	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	10	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	10	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	10	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	11	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	11	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	11	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	11	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	11	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	11	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	16	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	16	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	16	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	16	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	16	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	16	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	20	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	20	0.28
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	20	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	20	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	20	0.28
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	20	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	1	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	1	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	1	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	1	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	1	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	1	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	2	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	2	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	2	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	2	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	2	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	2	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	8	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	8	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	8	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	8	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	8	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	8	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	20	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	20	0.28
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	20	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	20	0.28
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	20	0.28
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	18	0.28
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	18	0.28
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	18	0.28
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	18	0.28
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	18	0.28
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	18	0.28
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	18	0.28
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	18	0.28
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	18	0.28
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	18	0.28
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	18	0.28
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	18	0.28
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	8	0.28
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	8	0.28
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	8	0.28
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	8	0.28
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	8	0.28
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	8	0.28
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	7	0.27
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	7	0.27
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	7	0.27
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	7	0.27
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	9	0.27
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	11	0.27
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	9	0.27
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	11	0.27
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	9	0.27
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	11	0.27
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	11	0.27
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	4	0.27
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	4	0.27
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	14	0.27
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	4	0.27
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	14	0.27
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	4	0.27
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	7	0.27
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	9	0.27
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	12	0.27
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	17	0.27
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	19	0.27
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	7	0.27
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	9	0.27
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	10	0.27
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	14	0.27
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	19	0.27
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	7	0.27
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	9	0.27
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	12	0.27
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	14	0.27
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	19	0.27
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	7	0.27
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	8	0.27
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	9	0.27
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	12	0.27
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	14	0.27
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	7	0.27
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	7	0.27
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	7	0.27
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	12	0.27
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	12	0.27
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	12	0.27
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	12	0.27
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	15	0.27
(2,1580)	1:D:158:GLY:H	1:D:158:GLY:HA3	15	0.27
(2,1504)	1:D:163:ARG:H	1:D:163:ARG:HD2	12	0.27
(2,1503)	1:C:163:ARG:H	1:C:163:ARG:HD2	12	0.27
(2,1502)	1:B:163:ARG:H	1:B:163:ARG:HD2	12	0.27
(2,1501)	1:A:163:ARG:H	1:A:163:ARG:HD2	12	0.27
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	5	0.27
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	5	0.27
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	5	0.27
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	5	0.27
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	5	0.27
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	5	0.27
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	5	0.27
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	5	0.27
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	5	0.27
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	19	0.27
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	19	0.27
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	7	0.27
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	7	0.27
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	7	0.27
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	7	0.27
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	7	0.27
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	7	0.27
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	19	0.27
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	19	0.27
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	19	0.27
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	7	0.27
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	7	0.27
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	7	0.27
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	19	0.27
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	19	0.27
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	19	0.27
(2,1212)	1:D:145:ILE:HD12	1:D:142:LEU:HB2	18	0.27
(2,1212)	1:D:145:ILE:HD11	1:D:142:LEU:HB2	18	0.27
(2,1212)	1:D:145:ILE:HD13	1:D:142:LEU:HB2	18	0.27
(2,1211)	1:C:145:ILE:HD12	1:C:142:LEU:HB2	18	0.27
(2,1211)	1:C:145:ILE:HD11	1:C:142:LEU:HB2	18	0.27
(2,1211)	1:C:145:ILE:HD13	1:C:142:LEU:HB2	18	0.27
(2,1210)	1:B:145:ILE:HD12	1:B:142:LEU:HB2	18	0.27
(2,1210)	1:B:145:ILE:HD11	1:B:142:LEU:HB2	18	0.27
(2,1210)	1:B:145:ILE:HD13	1:B:142:LEU:HB2	18	0.27
(2,1209)	1:A:145:ILE:HD12	1:A:142:LEU:HB2	18	0.27
(2,1209)	1:A:145:ILE:HD11	1:A:142:LEU:HB2	18	0.27
(2,1209)	1:A:145:ILE:HD13	1:A:142:LEU:HB2	18	0.27
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	6	0.27
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	6	0.27
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	6	0.27
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	6	0.27
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	6	0.27
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	6	0.27
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	6	0.27
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	6	0.27
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	6	0.27
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	3	0.27
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	3	0.27
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	3	0.27
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	6	0.27
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	6	0.27
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB2	13	0.27
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB1	13	0.27
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB3	13	0.27
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	7	0.27
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	18	0.27
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	18	0.27
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	18	0.27
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	18	0.27
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	18	0.27
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	18	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	3	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	3	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	3	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	3	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	3	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	3	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	7	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	7	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	7	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	7	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	7	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	7	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	15	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	15	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	15	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	15	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	15	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	15	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	19	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	19	0.27
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	19	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	19	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	19	0.27
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	19	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	2	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	2	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	2	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	2	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	2	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	2	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	3	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	3	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	3	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	3	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	3	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	7	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	7	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	7	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	7	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	7	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	7	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	9	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	9	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	9	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	9	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	9	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	9	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	15	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	15	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	15	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	15	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	15	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	15	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	19	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	19	0.27
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	19	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	19	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	19	0.27
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	19	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	3	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	3	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	3	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	3	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	3	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	3	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	7	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	7	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	7	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	7	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	7	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	7	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	9	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	9	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	9	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	9	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	9	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	15	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	15	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	15	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	15	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	15	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	15	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	19	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	19	0.27
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	19	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	19	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	19	0.27
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	19	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	3	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	3	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	3	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	3	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	3	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	3	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	7	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	7	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	7	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	7	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	7	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	7	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	15	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	15	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	15	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	15	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	15	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	15	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	19	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	19	0.27
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	19	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	19	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	19	0.27
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	19	0.27
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	6	0.27
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	14	0.27
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	14	0.27
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	14	0.27
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	14	0.27
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	14	0.27
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	14	0.27
(2,8)	1:D:163:ARG:HD2	1:D:163:ARG:HB3	10	0.26
(2,7)	1:C:163:ARG:HD2	1:C:163:ARG:HB3	10	0.26
(2,648)	1:D:141:LYS:HE2	1:D:141:LYS:HG2	13	0.26
(2,647)	1:C:141:LYS:HE2	1:C:141:LYS:HG2	13	0.26
(2,646)	1:B:141:LYS:HE2	1:B:141:LYS:HG2	13	0.26
(2,645)	1:A:141:LYS:HE2	1:A:141:LYS:HG2	13	0.26
(2,6)	1:B:163:ARG:HD2	1:B:163:ARG:HB3	10	0.26
(2,568)	1:D:127:THR:HA	1:D:130:ASN:HB3	18	0.26
(2,566)	1:B:127:THR:HA	1:B:130:ASN:HB3	18	0.26
(2,565)	1:A:127:THR:HA	1:A:130:ASN:HB3	18	0.26
(2,5)	1:A:163:ARG:HD2	1:A:163:ARG:HB3	10	0.26
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	12	0.26
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	14	0.26
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	18	0.26
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	18	0.26
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	18	0.26
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	14	0.26
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	18	0.26
(2,2372)	1:D:136:ASP:H	1:D:137:ARG:HB3	10	0.26
(2,2371)	1:C:136:ASP:H	1:C:137:ARG:HB3	10	0.26
(2,2370)	1:B:136:ASP:H	1:B:137:ARG:HB3	10	0.26
(2,2369)	1:A:136:ASP:H	1:A:137:ARG:HB3	10	0.26
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	1	0.26
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	4	0.26
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	11	0.26
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	16	0.26
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	18	0.26
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	20	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	1	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	4	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	11	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	16	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	17	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	18	0.26
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	20	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	4	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	11	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	16	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	17	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	18	0.26
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	20	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	1	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	4	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	6	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	11	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	17	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	18	0.26
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	20	0.26
(2,2142)	1:B:138:ILE:H	1:B:137:ARG:HG2	18	0.26
(2,2141)	1:A:138:ILE:H	1:A:137:ARG:HG2	18	0.26
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	14	0.26
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	14	0.26
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	14	0.26
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	14	0.26
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	14	0.26
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	14	0.26
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	7	0.26
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	15	0.26
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	19	0.26
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	20	0.26
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	15	0.26
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	19	0.26
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	15	0.26
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	19	0.26
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	7	0.26
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	19	0.26
(2,1579)	1:C:158:GLY:H	1:C:158:GLY:HA3	15	0.26
(2,1578)	1:B:158:GLY:H	1:B:158:GLY:HA3	15	0.26
(2,1577)	1:A:158:GLY:H	1:A:158:GLY:HA3	15	0.26
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	16	0.26
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	5	0.26
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	5	0.26
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	5	0.26
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	5	0.26
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	5	0.26
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	5	0.26
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	5	0.26
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	5	0.26
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	5	0.26
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	5	0.26
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	5	0.26
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	5	0.26
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	5	0.26
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	5	0.26
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	5	0.26
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	5	0.26
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	5	0.26
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	3	0.26
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	3	0.26
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	3	0.26
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	8	0.26
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	8	0.26
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	8	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	3	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	3	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	3	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	8	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	8	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	8	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	10	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	10	0.26
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	10	0.26
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	3	0.26
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	3	0.26
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	3	0.26
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	8	0.26
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	8	0.26
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	8	0.26
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	8	0.26
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	8	0.26
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	8	0.26
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB2	20	0.26
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB1	20	0.26
(2,1040)	1:D:156:SER:HB2	1:C:155:ALA:HB3	20	0.26
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB2	20	0.26
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB1	20	0.26
(2,1039)	1:C:156:SER:HB2	1:B:155:ALA:HB3	20	0.26
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB2	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB1	20	0.26
(2,1038)	1:B:156:SER:HB2	1:A:155:ALA:HB3	20	0.26
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB2	13	0.26
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB1	13	0.26
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB3	13	0.26
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB2	20	0.26
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB1	20	0.26
(2,1037)	1:A:156:SER:HB2	1:D:155:ALA:HB3	20	0.26
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	9	0.26
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	9	0.26
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	9	0.26
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	9	0.26
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	9	0.26
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	9	0.26
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	13	0.26
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	13	0.26
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	13	0.26
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	13	0.26
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	13	0.26
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	13	0.26
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	13	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	9	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	9	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	9	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	9	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	9	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	9	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	13	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	13	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	13	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	13	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	13	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	13	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	14	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	14	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	14	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	14	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	14	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	14	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	18	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	18	0.26
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	18	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	18	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	18	0.26
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	18	0.26
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	12	0.26
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	12	0.26
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	12	0.26
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	12	0.26
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	12	0.26
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	12	0.26
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	13	0.26
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	13	0.26
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	13	0.26
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	13	0.26
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	13	0.26
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	13	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	13	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	13	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	13	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	13	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	13	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	14	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	14	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	14	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	14	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	14	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	14	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	18	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	18	0.26
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	18	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	18	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	18	0.26
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	18	0.26
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	13	0.26
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	13	0.26
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	13	0.26
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	13	0.26
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	13	0.26
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	13	0.26
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	18	0.26
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	18	0.26
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	18	0.26
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	18	0.26
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	18	0.26
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	18	0.26
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	6	0.26
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	6	0.26
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	12	0.26
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	12	0.26
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	6	0.26
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	6	0.26
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	8	0.26
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	8	0.26
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	8	0.26
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	8	0.26
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	8	0.26
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	8	0.26
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	13	0.26
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	13	0.26
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	13	0.26
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	13	0.26
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	13	0.26
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	3	0.25
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	3	0.25
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	3	0.25
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	3	0.25
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	3	0.25
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	3	0.25
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	3	0.25
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	3	0.25
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	3	0.25
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	3	0.25
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	3	0.25
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	3	0.25
(2,567)	1:C:127:THR:HA	1:C:130:ASN:HB3	18	0.25
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	11	0.25
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	11	0.25
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	11	0.25
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	11	0.25
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	11	0.25
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	11	0.25
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	11	0.25
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	11	0.25
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	11	0.25
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	16	0.25
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	16	0.25
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	16	0.25
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	16	0.25
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	16	0.25
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	16	0.25
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	16	0.25
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	16	0.25
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	16	0.25
(2,300)	1:D:144:GLU:HG3	1:D:144:GLU:HB2	17	0.25
(2,299)	1:C:144:GLU:HG3	1:C:144:GLU:HB2	17	0.25
(2,298)	1:B:144:GLU:HG3	1:B:144:GLU:HB2	17	0.25
(2,297)	1:A:144:GLU:HG3	1:A:144:GLU:HB2	17	0.25
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	7	0.25
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	7	0.25
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	7	0.25
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	7	0.25
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	6	0.25
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	2	0.25
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	6	0.25
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	2	0.25
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	6	0.25
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	2	0.25
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	16	0.25
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	11	0.25
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	11	0.25
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	11	0.25
(2,2144)	1:D:138:ILE:H	1:D:137:ARG:HG2	18	0.25
(2,2143)	1:C:138:ILE:H	1:C:137:ARG:HG2	18	0.25
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	11	0.25
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	11	0.25
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	11	0.25
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	11	0.25
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	11	0.25
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	11	0.25
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	11	0.25
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	11	0.25
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	11	0.25
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	11	0.25
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	11	0.25
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	11	0.25
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	10	0.25
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	11	0.25
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	7	0.25
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	10	0.25
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	11	0.25
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	18	0.25
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	20	0.25
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	7	0.25
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	10	0.25
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	20	0.25
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	10	0.25
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	20	0.25
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	16	0.25
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	5	0.25
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	5	0.25
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	5	0.25
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	5	0.25
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	5	0.25
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	5	0.25
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	5	0.25
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	5	0.25
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	12	0.25
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	12	0.25
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	12	0.25
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	18	0.25
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	18	0.25
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	18	0.25
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	18	0.25
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	18	0.25
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	18	0.25
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	18	0.25
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	18	0.25
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	18	0.25
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	2	0.25
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	2	0.25
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	2	0.25
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	2	0.25
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	2	0.25
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	2	0.25
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	2	0.25
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	2	0.25
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	2	0.25
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	18	0.25
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	18	0.25
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	18	0.25
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	18	0.25
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	18	0.25
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	18	0.25
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	18	0.25
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	18	0.25
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	18	0.25
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	2	0.25
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	2	0.25
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	2	0.25
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	2	0.25
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	2	0.25
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	2	0.25
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	2	0.25
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	2	0.25
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	18	0.25
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	18	0.25
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	18	0.25
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	18	0.25
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	18	0.25
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	18	0.25
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	18	0.25
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	18	0.25
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	18	0.25
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	2	0.25
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	2	0.25
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	2	0.25
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	2	0.25
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	2	0.25
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	2	0.25
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	2	0.25
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	2	0.25
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	2	0.25
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	18	0.25
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	18	0.25
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	18	0.25
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	18	0.25
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	18	0.25
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	18	0.25
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	18	0.25
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	18	0.25
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	18	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	10	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	10	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	10	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	15	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	15	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	15	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	18	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	18	0.25
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	18	0.25
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	15	0.25
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	15	0.25
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	15	0.25
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	10	0.25
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	10	0.25
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	15	0.25
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	15	0.25
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	15	0.25
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	10	0.25
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	10	0.25
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	10	0.25
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	15	0.25
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	15	0.25
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	15	0.25
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	3	0.25
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	3	0.25
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	3	0.25
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	3	0.25
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	3	0.25
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	3	0.25
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	9	0.25
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	9	0.25
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	9	0.25
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	9	0.25
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	9	0.25
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	9	0.25
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	18	0.25
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	18	0.25
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	18	0.25
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	18	0.25
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	18	0.25
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	18	0.25
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	9	0.25
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	9	0.25
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	9	0.25
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	9	0.25
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	9	0.25
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	9	0.25
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	18	0.25
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	18	0.25
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	18	0.25
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	18	0.25
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	18	0.25
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	18	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	9	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	9	0.25
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	9	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	9	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	9	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	13	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	13	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	13	0.25
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	13	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	13	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	13	0.25
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	13	0.25
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	9	0.25
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	9	0.25
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	9	0.25
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	9	0.25
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	9	0.25
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	9	0.25
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	9	0.25
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	14	0.25
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	14	0.25
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	14	0.25
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	14	0.25
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	14	0.25
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	14	0.25
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	18	0.25
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	18	0.25
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	18	0.25
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	18	0.25
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	18	0.25
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	18	0.25
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	12	0.25
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	12	0.25
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	12	0.25
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	12	0.25
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	12	0.25
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	12	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	9	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	9	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	9	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	9	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	9	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	9	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	12	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	12	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	12	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	12	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	12	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	12	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	14	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	14	0.25
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	14	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	14	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	14	0.25
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	14	0.25
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	12	0.25
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	12	0.25
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	12	0.25
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	13	0.25
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	13	0.25
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	13	0.25
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	13	0.25
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	13	0.25
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	13	0.25
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	14	0.25
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	14	0.25
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	14	0.25
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	14	0.25
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	14	0.25
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	14	0.25
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	18	0.25
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	18	0.25
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	18	0.25
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	18	0.25
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	18	0.25
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	18	0.25
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	8	0.25
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	8	0.25
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	8	0.25
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	8	0.25
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	8	0.25
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	8	0.25
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	13	0.25
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	13	0.25
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	13	0.25
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	13	0.25
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	13	0.25
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	13	0.25
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	14	0.25
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	14	0.25
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	14	0.25
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	14	0.25
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	14	0.25
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	14	0.25
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	18	0.25
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	18	0.25
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	18	0.25
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	18	0.25
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	18	0.25
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	7	0.24
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	7	0.24
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	7	0.24
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	7	0.24
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	7	0.24
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	7	0.24
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	12	0.24
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	12	0.24
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	12	0.24
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	7	0.24
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	7	0.24
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	7	0.24
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	7	0.24
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	7	0.24
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	7	0.24
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	2	0.24
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	7	0.24
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	7	0.24
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	7	0.24
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	7	0.24
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	7	0.24
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	7	0.24
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	7	0.24
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	7	0.24
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	7	0.24
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	7	0.24
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	7	0.24
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	13	0.24
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	13	0.24
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	13	0.24
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	7	0.24
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	7	0.24
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	7	0.24
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	13	0.24
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	13	0.24
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	13	0.24
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	3	0.24
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	3	0.24
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	11	0.24
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	11	0.24
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	20	0.24
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	20	0.24
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	20	0.24
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	9	0.24
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	15	0.24
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	20	0.24
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	20	0.24
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	20	0.24
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	20	0.24
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	20	0.24
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	20	0.24
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	16	0.24
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	16	0.24
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	16	0.24
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	20	0.24
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	20	0.24
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	20	0.24
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	9	0.24
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	15	0.24
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	15	0.24
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	9	0.24
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	15	0.24
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	18	0.24
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	8	0.24
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	8	0.24
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	8	0.24
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	8	0.24
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	8	0.24
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	8	0.24
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	8	0.24
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	11	0.24
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	8	0.24
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	8	0.24
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	8	0.24
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	8	0.24
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	8	0.24
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	8	0.24
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	8	0.24
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	8	0.24
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	8	0.24
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	8	0.24
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	8	0.24
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	17	0.24
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	1	0.24
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	8	0.24
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	18	0.24
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	1	0.24
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	8	0.24
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	1	0.24
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	8	0.24
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	11	0.24
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	18	0.24
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	1	0.24
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	8	0.24
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	11	0.24
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	18	0.24
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	16	0.24
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	16	0.24
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	20	0.24
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	12	0.24
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	12	0.24
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	12	0.24
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	12	0.24
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	12	0.24
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	12	0.24
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	12	0.24
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	12	0.24
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	12	0.24
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	17	0.24
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	17	0.24
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	17	0.24
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	17	0.24
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	17	0.24
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	17	0.24
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	17	0.24
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	17	0.24
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	17	0.24
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	12	0.24
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	12	0.24
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	12	0.24
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	12	0.24
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	12	0.24
(2,1241)	1:A:137:ARG:HG2	1:A:141:LYS:HE3	19	0.24
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	2	0.24
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	2	0.24
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	2	0.24
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	2	0.24
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	2	0.24
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	2	0.24
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	2	0.24
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	2	0.24
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	2	0.24
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	3	0.24
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	3	0.24
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	3	0.24
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	3	0.24
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	3	0.24
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	3	0.24
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	3	0.24
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	3	0.24
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	3	0.24
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	3	0.24
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	3	0.24
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	3	0.24
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	3	0.24
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	3	0.24
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	3	0.24
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	3	0.24
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	3	0.24
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	3	0.24
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	3	0.24
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	3	0.24
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	3	0.24
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	3	0.24
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	3	0.24
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	3	0.24
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	3	0.24
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	3	0.24
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	3	0.24
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	3	0.24
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	3	0.24
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	3	0.24
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	3	0.24
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	3	0.24
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	3	0.24
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	3	0.24
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	3	0.24
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	18	0.24
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	18	0.24
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	18	0.24
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	18	0.24
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	18	0.24
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	18	0.24
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	18	0.24
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	18	0.24
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	18	0.24
(1,468)	1:D:155:ALA:HB2	1:A:156:SER:HA	17	0.24
(1,468)	1:D:155:ALA:HB1	1:A:156:SER:HA	17	0.24
(1,468)	1:D:155:ALA:HB3	1:A:156:SER:HA	17	0.24
(1,468)	1:D:155:ALA:HB2	1:C:156:SER:HA	17	0.24
(1,468)	1:D:155:ALA:HB1	1:C:156:SER:HA	17	0.24
(1,468)	1:D:155:ALA:HB3	1:C:156:SER:HA	17	0.24
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	3	0.24
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	3	0.24
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	3	0.24
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	3	0.24
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	3	0.24
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	3	0.24
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	9	0.24
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	9	0.24
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	9	0.24
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	9	0.24
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	9	0.24
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	9	0.24
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	3	0.24
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	3	0.24
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	3	0.24
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	3	0.24
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	3	0.24
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	9	0.24
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	9	0.24
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	9	0.24
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	9	0.24
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	9	0.24
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	9	0.24
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	9	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	9	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	9	0.24
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	9	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	9	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	9	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	13	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	13	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	13	0.24
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	13	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	13	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	13	0.24
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	13	0.24
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	13	0.24
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	13	0.24
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	13	0.24
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	13	0.24
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	13	0.24
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	13	0.24
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	5	0.24
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	5	0.24
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	5	0.24
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	5	0.24
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	5	0.24
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	12	0.24
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	12	0.24
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	12	0.24
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	12	0.24
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	12	0.24
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	12	0.24
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	5	0.24
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	5	0.24
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	5	0.24
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	5	0.24
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	5	0.24
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	5	0.24
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	5	0.24
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	5	0.24
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	5	0.24
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	5	0.24
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	5	0.24
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	5	0.24
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	2	0.24
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	2	0.24
(1,21)	1:A:159:PRO:HD2	1:B:158:GLY:HA3	2	0.24
(1,21)	1:A:159:PRO:HD2	1:D:158:GLY:HA3	2	0.24
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	14	0.24
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	14	0.24
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	14	0.24
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	14	0.24
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	14	0.24
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	14	0.24
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	13	0.24
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	13	0.24
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	13	0.24
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	13	0.24
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	13	0.24
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	13	0.24
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	12	0.23
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	12	0.23
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	12	0.23
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	12	0.23
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	12	0.23
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	12	0.23
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	12	0.23
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	12	0.23
(2,8)	1:D:163:ARG:HD2	1:D:163:ARG:HB3	7	0.23
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	2	0.23
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	7	0.23
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	2	0.23
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	2	0.23
(2,7)	1:C:163:ARG:HD2	1:C:163:ARG:HB3	7	0.23
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	8	0.23
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	8	0.23
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	8	0.23
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	13	0.23
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	13	0.23
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	13	0.23
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	8	0.23
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	8	0.23
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	8	0.23
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	13	0.23
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	13	0.23
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	13	0.23
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	8	0.23
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	8	0.23
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	8	0.23
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	8	0.23
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	8	0.23
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	8	0.23
(2,648)	1:D:141:LYS:HE2	1:D:141:LYS:HG2	4	0.23
(2,647)	1:C:141:LYS:HE2	1:C:141:LYS:HG2	4	0.23
(2,646)	1:B:141:LYS:HE2	1:B:141:LYS:HG2	4	0.23
(2,645)	1:A:141:LYS:HE2	1:A:141:LYS:HG2	4	0.23
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	18	0.23
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	3	0.23
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	3	0.23
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	18	0.23
(2,6)	1:B:163:ARG:HD2	1:B:163:ARG:HB3	7	0.23
(2,5)	1:A:163:ARG:HD2	1:A:163:ARG:HB3	7	0.23
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	1	0.23
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	6	0.23
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	18	0.23
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	1	0.23
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	18	0.23
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	1	0.23
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	6	0.23
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	1	0.23
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	6	0.23
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	18	0.23
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	15	0.23
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	15	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	4	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	4	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	4	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	6	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	6	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	6	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	10	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	10	0.23
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	10	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	4	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	4	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	4	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	6	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	6	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	6	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	10	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	10	0.23
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	10	0.23
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	4	0.23
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	4	0.23
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	4	0.23
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	6	0.23
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	6	0.23
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	6	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	4	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	4	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	4	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	6	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	6	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	6	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	10	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	10	0.23
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	10	0.23
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	14	0.23
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	14	0.23
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	14	0.23
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	3	0.23
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	3	0.23
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	3	0.23
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	3	0.23
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	3	0.23
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	3	0.23
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	3	0.23
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	3	0.23
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	6	0.23
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	6	0.23
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	6	0.23
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	6	0.23
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	8	0.23
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	9	0.23
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	9	0.23
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	9	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	9	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	9	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	9	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	14	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	14	0.23
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	14	0.23
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	14	0.23
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	14	0.23
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	14	0.23
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	4	0.23
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	4	0.23
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	4	0.23
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	14	0.23
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	14	0.23
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	14	0.23
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	14	0.23
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	14	0.23
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	14	0.23
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	3	0.23
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	2	0.23
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	3	0.23
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	9	0.23
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	2	0.23
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	3	0.23
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	9	0.23
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	16	0.23
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	2	0.23
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	9	0.23
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	16	0.23
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	6	0.23
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	19	0.23
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	12	0.23
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	12	0.23
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	12	0.23
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	17	0.23
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	17	0.23
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	17	0.23
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	17	0.23
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	17	0.23
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	17	0.23
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	17	0.23
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	17	0.23
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	17	0.23
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	12	0.23
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	12	0.23
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	12	0.23
(2,1244)	1:D:137:ARG:HG2	1:D:141:LYS:HE3	19	0.23
(2,1243)	1:C:137:ARG:HG2	1:C:141:LYS:HE3	19	0.23
(2,1242)	1:B:137:ARG:HG2	1:B:141:LYS:HE3	19	0.23
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	4	0.23
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	4	0.23
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	4	0.23
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	4	0.23
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	4	0.23
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	4	0.23
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	4	0.23
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	4	0.23
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	4	0.23
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	16	0.23
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	16	0.23
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	16	0.23
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	16	0.23
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	16	0.23
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	6	0.23
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	6	0.23
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	6	0.23
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	6	0.23
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	6	0.23
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	6	0.23
(1,467)	1:C:155:ALA:HB2	1:D:156:SER:HA	17	0.23
(1,467)	1:C:155:ALA:HB1	1:D:156:SER:HA	17	0.23
(1,467)	1:C:155:ALA:HB3	1:D:156:SER:HA	17	0.23
(1,467)	1:C:155:ALA:HB2	1:B:156:SER:HA	17	0.23
(1,467)	1:C:155:ALA:HB1	1:B:156:SER:HA	17	0.23
(1,467)	1:C:155:ALA:HB3	1:B:156:SER:HA	17	0.23
(1,466)	1:B:155:ALA:HB2	1:C:156:SER:HA	17	0.23
(1,466)	1:B:155:ALA:HB1	1:C:156:SER:HA	17	0.23
(1,466)	1:B:155:ALA:HB3	1:C:156:SER:HA	17	0.23
(1,466)	1:B:155:ALA:HB2	1:A:156:SER:HA	17	0.23
(1,466)	1:B:155:ALA:HB1	1:A:156:SER:HA	17	0.23
(1,466)	1:B:155:ALA:HB3	1:A:156:SER:HA	17	0.23
(1,465)	1:A:155:ALA:HB2	1:B:156:SER:HA	17	0.23
(1,465)	1:A:155:ALA:HB1	1:B:156:SER:HA	17	0.23
(1,465)	1:A:155:ALA:HB3	1:B:156:SER:HA	17	0.23
(1,465)	1:A:155:ALA:HB2	1:D:156:SER:HA	17	0.23
(1,465)	1:A:155:ALA:HB1	1:D:156:SER:HA	17	0.23
(1,465)	1:A:155:ALA:HB3	1:D:156:SER:HA	17	0.23
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	5	0.23
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	5	0.23
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	5	0.23
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	5	0.23
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	5	0.23
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	5	0.23
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	8	0.22
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	8	0.22
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	8	0.22
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	8	0.22
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	8	0.22
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	8	0.22
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	8	0.22
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	8	0.22
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	8	0.22
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	8	0.22
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	8	0.22
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:D:163:ARG:HD2	1:D:163:ARG:HB3	18	0.22
(2,780)	1:D:142:LEU:HD12	1:D:142:LEU:HA	18	0.22
(2,780)	1:D:142:LEU:HD11	1:D:142:LEU:HA	18	0.22
(2,780)	1:D:142:LEU:HD13	1:D:142:LEU:HA	18	0.22
(2,779)	1:C:142:LEU:HD12	1:C:142:LEU:HA	18	0.22
(2,779)	1:C:142:LEU:HD11	1:C:142:LEU:HA	18	0.22
(2,779)	1:C:142:LEU:HD13	1:C:142:LEU:HA	18	0.22
(2,778)	1:B:142:LEU:HD12	1:B:142:LEU:HA	18	0.22
(2,778)	1:B:142:LEU:HD11	1:B:142:LEU:HA	18	0.22
(2,778)	1:B:142:LEU:HD13	1:B:142:LEU:HA	18	0.22
(2,777)	1:A:142:LEU:HD12	1:A:142:LEU:HA	18	0.22
(2,777)	1:A:142:LEU:HD11	1:A:142:LEU:HA	18	0.22
(2,777)	1:A:142:LEU:HD13	1:A:142:LEU:HA	18	0.22
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	7	0.22
(2,7)	1:C:163:ARG:HD2	1:C:163:ARG:HB3	18	0.22
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	10	0.22
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	10	0.22
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	10	0.22
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	10	0.22
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	10	0.22
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	10	0.22
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	14	0.22
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	14	0.22
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	18	0.22
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	14	0.22
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	14	0.22
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	18	0.22
(2,6)	1:B:163:ARG:HD2	1:B:163:ARG:HB3	18	0.22
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	17	0.22
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	17	0.22
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	17	0.22
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	17	0.22
(2,5)	1:A:163:ARG:HD2	1:A:163:ARG:HB3	18	0.22
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	5	0.22
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	6	0.22
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	5	0.22
(2,388)	1:D:137:ARG:HD3	1:D:137:ARG:HA	10	0.22
(2,386)	1:B:137:ARG:HD3	1:B:137:ARG:HA	10	0.22
(2,385)	1:A:137:ARG:HD3	1:A:137:ARG:HA	10	0.22
(2,300)	1:D:144:GLU:HG3	1:D:144:GLU:HB2	4	0.22
(2,298)	1:B:144:GLU:HG3	1:B:144:GLU:HB2	4	0.22
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	5	0.22
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	5	0.22
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	5	0.22
(2,2463)	1:C:128:ASN:HD22	1:C:132:THR:HG21	1	0.22
(2,2463)	1:C:128:ASN:HD22	1:C:132:THR:HG22	1	0.22
(2,2463)	1:C:128:ASN:HD22	1:C:132:THR:HG23	1	0.22
(2,2462)	1:B:128:ASN:HD22	1:B:132:THR:HG21	1	0.22
(2,2462)	1:B:128:ASN:HD22	1:B:132:THR:HG22	1	0.22
(2,2462)	1:B:128:ASN:HD22	1:B:132:THR:HG23	1	0.22
(2,2461)	1:A:128:ASN:HD22	1:A:132:THR:HG21	1	0.22
(2,2461)	1:A:128:ASN:HD22	1:A:132:THR:HG22	1	0.22
(2,2461)	1:A:128:ASN:HD22	1:A:132:THR:HG23	1	0.22
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	9	0.22
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	9	0.22
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	9	0.22
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	15	0.22
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	9	0.22
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	15	0.22
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	20	0.22
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	20	0.22
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	20	0.22
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	20	0.22
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	20	0.22
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	20	0.22
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	10	0.22
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	10	0.22
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	10	0.22
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	20	0.22
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	20	0.22
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	20	0.22
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	20	0.22
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	20	0.22
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	20	0.22
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	9	0.22
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	11	0.22
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	9	0.22
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	11	0.22
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	9	0.22
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	11	0.22
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	9	0.22
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	11	0.22
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	12	0.22
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	1	0.22
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	14	0.22
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	15	0.22
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	15	0.22
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	1	0.22
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	15	0.22
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	1	0.22
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	15	0.22
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	3	0.22
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	5	0.22
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	16	0.22
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	3	0.22
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	5	0.22
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	16	0.22
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	3	0.22
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	5	0.22
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	16	0.22
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	18	0.22
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	5	0.22
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	9	0.22
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	16	0.22
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	9	0.22
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	9	0.22
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	9	0.22
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	9	0.22
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	9	0.22
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	9	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	9	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	9	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	9	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	14	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	14	0.22
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	14	0.22
(2,2088)	1:D:137:ARG:H	1:D:137:ARG:HD3	10	0.22
(2,2087)	1:C:137:ARG:H	1:C:137:ARG:HD3	10	0.22
(2,2086)	1:B:137:ARG:H	1:B:137:ARG:HD3	10	0.22
(2,2085)	1:A:137:ARG:H	1:A:137:ARG:HD3	10	0.22
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	4	0.22
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	4	0.22
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	4	0.22
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	18	0.22
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	18	0.22
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	18	0.22
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	18	0.22
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	18	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	4	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	4	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	4	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	14	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	14	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	14	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	18	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	18	0.22
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	18	0.22
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	4	0.22
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	4	0.22
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	4	0.22
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	18	0.22
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	18	0.22
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	18	0.22
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	2	0.22
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	9	0.22
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	13	0.22
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	16	0.22
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	13	0.22
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	13	0.22
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	3	0.22
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	13	0.22
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB2	20	0.22
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB1	20	0.22
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB3	20	0.22
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB2	20	0.22
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB1	20	0.22
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB3	20	0.22
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB2	20	0.22
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB1	20	0.22
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB3	20	0.22
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB2	20	0.22
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB1	20	0.22
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB3	20	0.22
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	1	0.22
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	3	0.22
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	3	0.22
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	3	0.22
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	3	0.22
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	3	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	7	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	7	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	7	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	7	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	7	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	7	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	7	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	7	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	7	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	12	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	12	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	12	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	12	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	12	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	12	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	12	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	12	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	12	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	17	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	17	0.22
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	17	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	17	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	17	0.22
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	17	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	17	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	17	0.22
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	17	0.22
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	19	0.22
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	19	0.22
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	19	0.22
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	19	0.22
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	19	0.22
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	19	0.22
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	19	0.22
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	19	0.22
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	19	0.22
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	9	0.22
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	9	0.22
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	9	0.22
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	9	0.22
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	9	0.22
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	9	0.22
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	9	0.22
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	9	0.22
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	19	0.22
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	19	0.22
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	19	0.22
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	19	0.22
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	19	0.22
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	19	0.22
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	19	0.22
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	19	0.22
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	19	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	1	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	1	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	1	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	1	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	1	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	1	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	1	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	1	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	1	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	16	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	16	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	16	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	16	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	16	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	16	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	16	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	16	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	16	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	20	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	20	0.22
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	20	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	20	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	20	0.22
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	20	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	20	0.22
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	20	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	4	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	4	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	4	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	4	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	4	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	4	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	4	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	4	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	4	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	16	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	16	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	16	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	16	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	16	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	16	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	16	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	16	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	16	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	20	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	20	0.22
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	20	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	20	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	20	0.22
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	20	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	20	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	20	0.22
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	20	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	4	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	4	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	4	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	4	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	4	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	4	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	4	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	4	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	4	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	16	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	16	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	16	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	16	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	16	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	16	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	16	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	16	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	20	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	20	0.22
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	20	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	20	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	20	0.22
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	20	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	20	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	20	0.22
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	20	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	4	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	4	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	4	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	4	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	4	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	4	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	4	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	4	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	4	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	16	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	16	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	16	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	16	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	16	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	16	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	16	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	16	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	16	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	20	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	20	0.22
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	20	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	20	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	20	0.22
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	20	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	20	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	20	0.22
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	20	0.22
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	20	0.22
(2,1128)	1:D:138:ILE:HG22	1:D:142:LEU:HB3	14	0.22
(2,1128)	1:D:138:ILE:HG21	1:D:142:LEU:HB3	14	0.22
(2,1128)	1:D:138:ILE:HG23	1:D:142:LEU:HB3	14	0.22
(2,1127)	1:C:138:ILE:HG22	1:C:142:LEU:HB3	14	0.22
(2,1127)	1:C:138:ILE:HG21	1:C:142:LEU:HB3	14	0.22
(2,1127)	1:C:138:ILE:HG23	1:C:142:LEU:HB3	14	0.22
(2,1126)	1:B:138:ILE:HG22	1:B:142:LEU:HB3	14	0.22
(2,1126)	1:B:138:ILE:HG21	1:B:142:LEU:HB3	14	0.22
(2,1126)	1:B:138:ILE:HG23	1:B:142:LEU:HB3	14	0.22
(2,1125)	1:A:138:ILE:HG22	1:A:142:LEU:HB3	14	0.22
(2,1125)	1:A:138:ILE:HG21	1:A:142:LEU:HB3	14	0.22
(2,1125)	1:A:138:ILE:HG23	1:A:142:LEU:HB3	14	0.22
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	15	0.22
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	15	0.22
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	15	0.22
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	15	0.22
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	15	0.22
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	15	0.22
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	15	0.22
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	15	0.22
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	15	0.22
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	15	0.22
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	15	0.22
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	15	0.22
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	15	0.22
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	15	0.22
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	15	0.22
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	15	0.22
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	15	0.22
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	15	0.22
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	15	0.22
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD12	4	0.22
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD11	4	0.22
(1,316)	1:D:146:LEU:HB3	1:A:149:LEU:HD13	4	0.22
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD12	4	0.22
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD11	4	0.22
(1,316)	1:D:146:LEU:HB3	1:C:149:LEU:HD13	4	0.22
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD12	4	0.22
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD11	4	0.22
(1,314)	1:B:146:LEU:HB3	1:C:149:LEU:HD13	4	0.22
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD12	4	0.22
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD11	4	0.22
(1,314)	1:B:146:LEU:HB3	1:A:149:LEU:HD13	4	0.22
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	2	0.22
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	2	0.22
(1,22)	1:B:159:PRO:HD2	1:C:158:GLY:HA3	2	0.22
(1,22)	1:B:159:PRO:HD2	1:A:158:GLY:HA3	2	0.22
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	5	0.21
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	5	0.21
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	5	0.21
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	5	0.21
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	11	0.21
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	11	0.21
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	11	0.21
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	11	0.21
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	11	0.21
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	11	0.21
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	11	0.21
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	11	0.21
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	8	0.21
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	8	0.21
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	8	0.21
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	8	0.21
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	8	0.21
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	8	0.21
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	8	0.21
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	8	0.21
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	8	0.21
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	8	0.21
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	8	0.21
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	8	0.21
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	8	0.21
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	8	0.21
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	8	0.21
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	8	0.21
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	8	0.21
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	8	0.21
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	8	0.21
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	8	0.21
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	8	0.21
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	8	0.21
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	8	0.21
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	8	0.21
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	8	0.21
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	8	0.21
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	8	0.21
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	8	0.21
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	8	0.21
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	8	0.21
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	8	0.21
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	8	0.21
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	8	0.21
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	8	0.21
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	8	0.21
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	3	0.21
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	3	0.21
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	3	0.21
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	3	0.21
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	10	0.21
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	10	0.21
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	10	0.21
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	11	0.21
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	11	0.21
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	11	0.21
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	10	0.21
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	10	0.21
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	10	0.21
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	11	0.21
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	11	0.21
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	11	0.21
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	11	0.21
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	11	0.21
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	11	0.21
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	11	0.21
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	11	0.21
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	11	0.21
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	3	0.21
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	11	0.21
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	16	0.21
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	2	0.21
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	11	0.21
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	3	0.21
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	11	0.21
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	2	0.21
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	3	0.21
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	6	0.21
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	6	0.21
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	6	0.21
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	13	0.21
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	13	0.21
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	13	0.21
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	19	0.21
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	19	0.21
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	19	0.21
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	6	0.21
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	6	0.21
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	13	0.21
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	13	0.21
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	13	0.21
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	19	0.21
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	19	0.21
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	19	0.21
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	6	0.21
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	6	0.21
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	6	0.21
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	13	0.21
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	13	0.21
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	13	0.21
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	19	0.21
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	19	0.21
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	19	0.21
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	19	0.21
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	19	0.21
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	19	0.21
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	16	0.21
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	9	0.21
(2,387)	1:C:137:ARG:HD3	1:C:137:ARG:HA	10	0.21
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	17	0.21
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	17	0.21
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	17	0.21
(2,299)	1:C:144:GLU:HG3	1:C:144:GLU:HB2	4	0.21
(2,297)	1:A:144:GLU:HG3	1:A:144:GLU:HB2	4	0.21
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	17	0.21
(2,2464)	1:D:128:ASN:HD22	1:D:132:THR:HG21	1	0.21
(2,2464)	1:D:128:ASN:HD22	1:D:132:THR:HG22	1	0.21
(2,2464)	1:D:128:ASN:HD22	1:D:132:THR:HG23	1	0.21
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	5	0.21
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	11	0.21
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	20	0.21
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	6	0.21
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	11	0.21
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	20	0.21
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	6	0.21
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	20	0.21
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	5	0.21
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	6	0.21
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	20	0.21
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	3	0.21
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	3	0.21
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	3	0.21
(2,2384)	1:D:135:LEU:H	1:D:135:LEU:HG	2	0.21
(2,2383)	1:C:135:LEU:H	1:C:135:LEU:HG	2	0.21
(2,2382)	1:B:135:LEU:H	1:B:135:LEU:HG	2	0.21
(2,2381)	1:A:135:LEU:H	1:A:135:LEU:HG	2	0.21
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	12	0.21
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	12	0.21
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	1	0.21
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	13	0.21
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	14	0.21
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	20	0.21
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	14	0.21
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	14	0.21
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	18	0.21
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	18	0.21
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	3	0.21
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	18	0.21
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	12	0.21
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	12	0.21
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	12	0.21
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	17	0.21
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	17	0.21
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	17	0.21
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	12	0.21
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	12	0.21
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	12	0.21
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	17	0.21
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	17	0.21
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	17	0.21
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	12	0.21
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	12	0.21
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	12	0.21
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	12	0.21
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	12	0.21
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	12	0.21
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	5	0.21
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	17	0.21
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	5	0.21
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	5	0.21
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	17	0.21
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	5	0.21
(2,1752)	1:D:141:LYS:H	1:D:141:LYS:HD2	3	0.21
(2,1751)	1:C:141:LYS:H	1:C:141:LYS:HD2	3	0.21
(2,1750)	1:B:141:LYS:H	1:B:141:LYS:HD2	3	0.21
(2,1749)	1:A:141:LYS:H	1:A:141:LYS:HD2	3	0.21
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	4	0.21
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	4	0.21
(2,1504)	1:D:163:ARG:H	1:D:163:ARG:HD2	15	0.21
(2,1503)	1:C:163:ARG:H	1:C:163:ARG:HD2	15	0.21
(2,1502)	1:B:163:ARG:H	1:B:163:ARG:HD2	15	0.21
(2,1501)	1:A:163:ARG:H	1:A:163:ARG:HD2	15	0.21
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	6	0.21
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	19	0.21
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	13	0.21
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	13	0.21
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	13	0.21
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	3	0.21
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	3	0.21
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	3	0.21
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	3	0.21
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	3	0.21
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	3	0.21
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	3	0.21
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	3	0.21
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	3	0.21
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	3	0.21
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	3	0.21
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	3	0.21
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	9	0.21
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	9	0.21
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	9	0.21
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	9	0.21
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	9	0.21
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	9	0.21
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	9	0.21
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	9	0.21
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	9	0.21
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	19	0.21
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	19	0.21
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	19	0.21
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	19	0.21
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	19	0.21
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	19	0.21
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	19	0.21
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	19	0.21
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	9	0.21
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	9	0.21
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	9	0.21
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	9	0.21
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	9	0.21
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	9	0.21
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	9	0.21
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	9	0.21
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	9	0.21
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	12	0.21
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	12	0.21
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	12	0.21
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	12	0.21
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	12	0.21
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	12	0.21
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	12	0.21
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	12	0.21
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	12	0.21
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	7	0.21
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	7	0.21
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	7	0.21
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	7	0.21
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	7	0.21
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	7	0.21
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	7	0.21
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	7	0.21
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	7	0.21
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	19	0.21
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	19	0.21
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	19	0.21
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	19	0.21
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	19	0.21
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	19	0.21
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	19	0.21
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	19	0.21
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	7	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	7	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	7	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	7	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	7	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	7	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	7	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	7	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	7	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	9	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	9	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	9	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	9	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	9	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	9	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	9	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	9	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	9	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	12	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	12	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	12	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	12	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	12	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	12	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	12	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	12	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	12	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	17	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	17	0.21
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	17	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	17	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	17	0.21
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	17	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	17	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	17	0.21
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	17	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	5	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	5	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	5	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	5	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	5	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	5	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	5	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	5	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	6	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	6	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	6	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	6	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	6	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	6	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	6	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	6	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	6	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	14	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	14	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	14	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	14	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	14	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	14	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	14	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	14	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	14	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	15	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	15	0.21
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	15	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	15	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	15	0.21
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	15	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	15	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	15	0.21
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	15	0.21
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	1	0.21
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	1	0.21
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	1	0.21
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	1	0.21
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	1	0.21
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	1	0.21
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	1	0.21
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	1	0.21
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	1	0.21
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	6	0.21
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	6	0.21
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	6	0.21
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	6	0.21
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	6	0.21
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	6	0.21
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	6	0.21
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	6	0.21
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	1	0.21
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	1	0.21
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	1	0.21
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	1	0.21
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	1	0.21
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	1	0.21
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	1	0.21
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	1	0.21
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	1	0.21
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	6	0.21
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	6	0.21
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	6	0.21
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	6	0.21
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	6	0.21
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	6	0.21
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	6	0.21
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	6	0.21
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	6	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	1	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	1	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	1	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	1	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	1	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	1	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	1	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	1	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	1	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	14	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	14	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	14	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	14	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	14	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	14	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	14	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	14	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	15	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	15	0.21
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	15	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	15	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	15	0.21
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	15	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	15	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	15	0.21
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	15	0.21
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	20	0.21
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	20	0.21
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	13	0.21
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	13	0.21
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	13	0.21
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	13	0.21
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	13	0.21
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	13	0.21
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	13	0.21
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	13	0.21
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	13	0.21
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	13	0.21
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	13	0.21
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	13	0.21
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG22	16	0.21
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG21	16	0.21
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG23	16	0.21
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG22	16	0.21
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG21	16	0.21
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG23	16	0.21
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG22	16	0.21
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG21	16	0.21
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG23	16	0.21
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG22	16	0.21
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG21	16	0.21
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG23	16	0.21
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	15	0.21
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	15	0.21
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	15	0.21
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	16	0.21
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	16	0.21
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	16	0.21
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	16	0.21
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	16	0.21
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	15	0.21
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	15	0.21
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	15	0.21
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	15	0.21
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	15	0.21
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	15	0.21
(1,9)	1:A:160:THR:HG21	1:B:160:THR:HA	20	0.21
(1,9)	1:A:160:THR:HG22	1:B:160:THR:HA	20	0.21
(1,9)	1:A:160:THR:HG23	1:B:160:THR:HA	20	0.21
(1,9)	1:A:160:THR:HG21	1:D:160:THR:HA	20	0.21
(1,9)	1:A:160:THR:HG22	1:D:160:THR:HA	20	0.21
(1,9)	1:A:160:THR:HG23	1:D:160:THR:HA	20	0.21
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	16	0.21
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	16	0.21
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	16	0.21
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	16	0.21
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	16	0.21
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	16	0.21
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	16	0.21
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	16	0.21
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	16	0.21
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	16	0.21
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	16	0.21
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	16	0.21
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	6	0.21
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	6	0.21
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	6	0.21
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	6	0.21
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	6	0.21
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	6	0.21
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	6	0.21
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	6	0.21
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	6	0.21
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	6	0.21
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	6	0.21
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	6	0.21
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	4	0.21
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	4	0.21
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	4	0.21
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	4	0.21
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	4	0.21
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	12	0.21
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	12	0.21
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	12	0.21
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	12	0.21
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	12	0.21
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	12	0.21
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	4	0.21
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	4	0.21
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	4	0.21
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	4	0.21
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	4	0.21
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	4	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	3	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	3	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	3	0.21
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	3	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	3	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	3	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	15	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	15	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	15	0.21
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	15	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	15	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	15	0.21
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	15	0.21
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	10	0.21
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	10	0.21
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	10	0.21
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	10	0.21
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	10	0.21
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	10	0.21
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	10	0.21
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD12	4	0.21
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD11	4	0.21
(1,315)	1:C:146:LEU:HB3	1:D:149:LEU:HD13	4	0.21
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD12	4	0.21
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD11	4	0.21
(1,315)	1:C:146:LEU:HB3	1:B:149:LEU:HD13	4	0.21
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD12	4	0.21
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD11	4	0.21
(1,313)	1:A:146:LEU:HB3	1:B:149:LEU:HD13	4	0.21
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD12	4	0.21
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD11	4	0.21
(1,313)	1:A:146:LEU:HB3	1:D:149:LEU:HD13	4	0.21
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	2	0.21
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	2	0.21
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	6	0.21
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	6	0.21
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	12	0.21
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	12	0.21
(1,23)	1:C:159:PRO:HD2	1:D:158:GLY:HA3	2	0.21
(1,23)	1:C:159:PRO:HD2	1:B:158:GLY:HA3	2	0.21
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	4	0.21
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	4	0.21
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	4	0.21
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	4	0.21
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	4	0.21
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	4	0.21
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	4	0.21
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	4	0.21
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	4	0.21
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	4	0.21
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	4	0.21
(1,11)	1:C:160:THR:HG21	1:D:160:THR:HA	20	0.21
(1,11)	1:C:160:THR:HG22	1:D:160:THR:HA	20	0.21
(1,11)	1:C:160:THR:HG23	1:D:160:THR:HA	20	0.21
(1,11)	1:C:160:THR:HG21	1:B:160:THR:HA	20	0.21
(1,11)	1:C:160:THR:HG22	1:B:160:THR:HA	20	0.21
(1,11)	1:C:160:THR:HG23	1:B:160:THR:HA	20	0.21
(1,10)	1:B:160:THR:HG21	1:C:160:THR:HA	20	0.21
(1,10)	1:B:160:THR:HG22	1:C:160:THR:HA	20	0.21
(1,10)	1:B:160:THR:HG23	1:C:160:THR:HA	20	0.21
(1,10)	1:B:160:THR:HG21	1:A:160:THR:HA	20	0.21
(1,10)	1:B:160:THR:HG22	1:A:160:THR:HA	20	0.21
(1,10)	1:B:160:THR:HG23	1:A:160:THR:HA	20	0.21
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	5	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	5	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	5	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	11	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	11	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	11	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	19	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	19	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	19	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	5	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	5	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	5	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	19	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	19	0.2
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	19	0.2
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	5	0.2
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	5	0.2
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	5	0.2
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	19	0.2
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	19	0.2
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	5	0.2
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	5	0.2
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	5	0.2
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	19	0.2
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	19	0.2
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	19	0.2
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	8	0.2
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	8	0.2
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	8	0.2
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	8	0.2
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	8	0.2
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	8	0.2
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	8	0.2
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	8	0.2
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	8	0.2
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	13	0.2
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	13	0.2
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	13	0.2
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	13	0.2
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	13	0.2
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	13	0.2
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	13	0.2
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	13	0.2
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	13	0.2
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	8	0.2
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	8	0.2
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	8	0.2
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	8	0.2
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	8	0.2
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	8	0.2
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	8	0.2
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	8	0.2
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	8	0.2
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	13	0.2
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	13	0.2
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	13	0.2
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	13	0.2
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	13	0.2
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	13	0.2
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	13	0.2
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	13	0.2
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	8	0.2
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	8	0.2
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	8	0.2
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	8	0.2
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	8	0.2
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	8	0.2
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	8	0.2
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	8	0.2
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	8	0.2
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	13	0.2
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	13	0.2
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	13	0.2
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	13	0.2
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	13	0.2
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	13	0.2
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	13	0.2
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	13	0.2
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	13	0.2
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	8	0.2
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	8	0.2
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	8	0.2
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	8	0.2
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	8	0.2
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	8	0.2
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	8	0.2
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	8	0.2
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	8	0.2
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	13	0.2
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	13	0.2
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	13	0.2
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	13	0.2
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	13	0.2
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	13	0.2
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	13	0.2
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	13	0.2
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	13	0.2
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	9	0.2
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	9	0.2
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	9	0.2
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	9	0.2
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	9	0.2
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	9	0.2
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	9	0.2
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	9	0.2
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	9	0.2
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	9	0.2
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	9	0.2
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	13	0.2
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	13	0.2
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	13	0.2
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	13	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	2	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	4	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	5	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	6	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	8	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	9	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	10	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	12	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	13	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	14	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	15	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	17	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	18	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	19	0.2
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	20	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	3	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	4	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	5	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	6	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	7	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	8	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	9	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	10	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	12	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	13	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	14	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	15	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	16	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	17	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	18	0.2
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	20	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	2	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	4	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	5	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	6	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	7	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	8	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	9	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	10	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	12	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	13	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	14	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	15	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	16	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	17	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	18	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	19	0.2
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	20	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	4	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	5	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	6	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	8	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	9	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	10	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	11	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	12	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	13	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	14	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	15	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	16	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	17	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	18	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	19	0.2
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	20	0.2
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	18	0.2
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	18	0.2
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	18	0.2
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	18	0.2
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	18	0.2
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	18	0.2
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	18	0.2
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	18	0.2
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	6	0.2
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	6	0.2
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	6	0.2
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	13	0.2
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	13	0.2
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	13	0.2
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	18	0.2
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	18	0.2
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	18	0.2
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	13	0.2
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	6	0.2
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	5	0.2
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	5	0.2
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	11	0.2
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	18	0.2
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	18	0.2
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	18	0.2
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	19	0.2
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	19	0.2
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	19	0.2
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	18	0.2
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	18	0.2
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	18	0.2
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	19	0.2
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	19	0.2
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	19	0.2
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	18	0.2
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	18	0.2
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	18	0.2
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	19	0.2
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	19	0.2
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	19	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	3	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	3	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	3	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	12	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	12	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	12	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	18	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	18	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	19	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	19	0.2
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	19	0.2
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	3	0.2
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	3	0.2
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	3	0.2
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	3	0.2
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	3	0.2
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	3	0.2
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	3	0.2
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	3	0.2
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	3	0.2
(2,2288)	1:D:145:ILE:H	1:D:145:ILE:HG12	17	0.2
(2,2287)	1:C:145:ILE:H	1:C:145:ILE:HG12	17	0.2
(2,2286)	1:B:145:ILE:H	1:B:145:ILE:HG12	17	0.2
(2,2285)	1:A:145:ILE:H	1:A:145:ILE:HG12	17	0.2
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	2	0.2
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	13	0.2
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	16	0.2
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	20	0.2
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	2	0.2
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	16	0.2
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	2	0.2
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	13	0.2
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	16	0.2
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	20	0.2
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	16	0.2
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	20	0.2
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	4	0.2
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	7	0.2
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	19	0.2
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	4	0.2
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	7	0.2
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	19	0.2
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	4	0.2
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	7	0.2
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	19	0.2
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	4	0.2
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	7	0.2
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	19	0.2
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	1	0.2
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	2	0.2
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	2	0.2
(2,2088)	1:D:137:ARG:H	1:D:137:ARG:HD3	4	0.2
(2,2087)	1:C:137:ARG:H	1:C:137:ARG:HD3	4	0.2
(2,2086)	1:B:137:ARG:H	1:B:137:ARG:HD3	4	0.2
(2,2085)	1:A:137:ARG:H	1:A:137:ARG:HD3	4	0.2
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	17	0.2
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	17	0.2
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	17	0.2
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	17	0.2
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	17	0.2
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	17	0.2
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	3	0.2
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	3	0.2
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	3	0.2
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	5	0.2
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	5	0.2
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	5	0.2
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	3	0.2
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	3	0.2
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	3	0.2
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	5	0.2
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	5	0.2
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	5	0.2
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	3	0.2
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	3	0.2
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	3	0.2
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	5	0.2
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	5	0.2
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	5	0.2
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	3	0.2
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	3	0.2
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	3	0.2
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	5	0.2
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	5	0.2
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	5	0.2
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	3	0.2
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	4	0.2
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	14	0.2
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	14	0.2
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	4	0.2
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	19	0.2
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	20	0.2
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	6	0.2
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	20	0.2
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	6	0.2
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	19	0.2
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	20	0.2
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	4	0.2
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	15	0.2
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	18	0.2
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	13	0.2
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	13	0.2
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	13	0.2
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	13	0.2
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	13	0.2
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	13	0.2
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	13	0.2
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	13	0.2
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	13	0.2
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	16	0.2
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	16	0.2
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	16	0.2
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	16	0.2
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	16	0.2
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	16	0.2
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	3	0.2
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	3	0.2
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	3	0.2
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	3	0.2
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	3	0.2
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	3	0.2
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	7	0.2
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	7	0.2
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	7	0.2
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	7	0.2
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	7	0.2
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	7	0.2
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	7	0.2
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	7	0.2
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	7	0.2
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	12	0.2
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	12	0.2
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	12	0.2
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	12	0.2
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	12	0.2
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	12	0.2
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	12	0.2
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	12	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	8	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	8	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	8	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	8	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	8	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	8	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	8	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	8	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	8	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	9	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	9	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	9	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	9	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	9	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	9	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	9	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	9	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	9	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	11	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	11	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	11	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	11	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	11	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	11	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	11	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	11	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	11	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	19	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	19	0.2
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	19	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	19	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	19	0.2
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	19	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	19	0.2
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	19	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	5	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	5	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	5	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	5	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	5	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	5	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	5	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	5	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	5	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	8	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	8	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	8	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	8	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	8	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	8	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	8	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	8	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	8	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	9	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	9	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	9	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	9	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	9	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	9	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	9	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	9	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	9	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	11	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	11	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	11	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	11	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	11	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	11	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	11	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	11	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	11	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	14	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	14	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	14	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	14	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	14	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	14	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	14	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	14	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	15	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	15	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	15	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	15	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	15	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	15	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	15	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	15	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	15	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	19	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	19	0.2
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	19	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	19	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	19	0.2
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	19	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	19	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	19	0.2
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	19	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	5	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	5	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	5	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	5	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	5	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	5	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	5	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	5	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	5	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	8	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	8	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	8	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	8	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	8	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	8	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	8	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	8	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	8	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	9	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	9	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	9	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	9	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	9	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	9	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	9	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	9	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	11	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	11	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	11	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	11	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	11	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	11	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	11	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	11	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	11	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	14	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	14	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	14	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	14	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	14	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	14	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	14	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	14	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	14	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	15	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	15	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	15	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	15	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	15	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	15	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	15	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	15	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	15	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	19	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	19	0.2
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	19	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	19	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	19	0.2
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	19	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	19	0.2
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	19	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	5	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	5	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	5	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	5	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	5	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	5	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	5	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	5	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	5	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	6	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	6	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	6	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	6	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	6	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	6	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	6	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	6	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	6	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	8	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	8	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	8	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	8	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	8	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	8	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	8	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	8	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	8	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	9	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	9	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	9	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	9	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	9	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	9	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	9	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	9	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	9	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	11	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	11	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	11	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	11	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	11	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	11	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	11	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	11	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	19	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	19	0.2
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	19	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	19	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	19	0.2
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	19	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	19	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	19	0.2
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	19	0.2
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	9	0.2
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	9	0.2
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	9	0.2
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	15	0.2
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	15	0.2
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	15	0.2
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	16	0.2
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	16	0.2
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	16	0.2
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	16	0.2
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	16	0.2
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	16	0.2
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	16	0.2
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	16	0.2
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	16	0.2
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	16	0.2
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	16	0.2
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	16	0.2
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	15	0.2
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	15	0.2
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	15	0.2
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	15	0.2
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	15	0.2
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	15	0.2
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	6	0.2
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	6	0.2
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	6	0.2
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	6	0.2
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	6	0.2
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	15	0.2
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	15	0.2
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	15	0.2
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	15	0.2
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	15	0.2
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	15	0.2
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	12	0.2
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	12	0.2
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	12	0.2
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	12	0.2
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	12	0.2
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	12	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	8	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	8	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	8	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	8	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	8	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	8	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	10	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	10	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	10	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	10	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	10	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	10	0.2
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	3	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	3	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	3	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	3	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	3	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	3	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	10	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	10	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	10	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	10	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	10	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	10	0.2
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	3	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	3	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	3	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	3	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	3	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	3	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	8	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	8	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	8	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	8	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	8	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	8	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	10	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	10	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	10	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	10	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	10	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	10	0.2
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	10	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	3	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	3	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	3	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	3	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	3	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	3	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	8	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	8	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	8	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	8	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	8	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	8	0.2
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	8	0.2
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	6	0.2
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	6	0.2
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	12	0.2
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	12	0.2
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	12	0.2
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	12	0.2
(1,12)	1:D:160:THR:HG21	1:A:160:THR:HA	20	0.2
(1,12)	1:D:160:THR:HG22	1:A:160:THR:HA	20	0.2
(1,12)	1:D:160:THR:HG23	1:A:160:THR:HA	20	0.2
(1,12)	1:D:160:THR:HG21	1:C:160:THR:HA	20	0.2
(1,12)	1:D:160:THR:HG22	1:C:160:THR:HA	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:D:160:THR:HG23	1:C:160:THR:HA	20	0.2
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	2	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	2	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	2	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	9	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	9	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	9	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	2	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	2	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	2	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	9	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	9	0.19
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	9	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	2	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	2	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	2	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	9	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	9	0.19
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	9	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	2	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	2	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	2	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	9	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	9	0.19
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	9	0.19
(2,728)	1:D:162:ALA:HB2	1:D:158:GLY:HA2	3	0.19
(2,728)	1:D:162:ALA:HB1	1:D:158:GLY:HA2	3	0.19
(2,728)	1:D:162:ALA:HB3	1:D:158:GLY:HA2	3	0.19
(2,704)	1:D:163:ARG:HA	1:D:163:ARG:HD2	3	0.19
(2,703)	1:C:163:ARG:HA	1:C:163:ARG:HD2	3	0.19
(2,702)	1:B:163:ARG:HA	1:B:163:ARG:HD2	3	0.19
(2,701)	1:A:163:ARG:HA	1:A:163:ARG:HD2	3	0.19
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	14	0.19
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	14	0.19
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	14	0.19
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	15	0.19
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	15	0.19
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	15	0.19
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	14	0.19
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	14	0.19
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	14	0.19
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	15	0.19
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	15	0.19
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	14	0.19
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	14	0.19
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	14	0.19
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	15	0.19
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	15	0.19
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	15	0.19
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	14	0.19
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	14	0.19
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	14	0.19
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	15	0.19
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	15	0.19
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	15	0.19
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	7	0.19
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	7	0.19
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	18	0.19
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	18	0.19
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	18	0.19
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	4	0.19
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	4	0.19
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	4	0.19
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	6	0.19
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	4	0.19
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	4	0.19
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	4	0.19
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	15	0.19
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	15	0.19
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	15	0.19
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	4	0.19
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	4	0.19
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	4	0.19
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	4	0.19
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	4	0.19
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	4	0.19
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	5	0.19
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	6	0.19
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	5	0.19
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	6	0.19
(2,324)	1:D:141:LYS:HE2	1:D:141:LYS:HG3	2	0.19
(2,324)	1:D:141:LYS:HE2	1:D:141:LYS:HG3	4	0.19
(2,323)	1:C:141:LYS:HE2	1:C:141:LYS:HG3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:C:141:LYS:HE2	1:C:141:LYS:HG3	4	0.19
(2,322)	1:B:141:LYS:HE2	1:B:141:LYS:HG3	1	0.19
(2,322)	1:B:141:LYS:HE2	1:B:141:LYS:HG3	2	0.19
(2,322)	1:B:141:LYS:HE2	1:B:141:LYS:HG3	4	0.19
(2,321)	1:A:141:LYS:HE2	1:A:141:LYS:HG3	2	0.19
(2,321)	1:A:141:LYS:HE2	1:A:141:LYS:HG3	4	0.19
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	13	0.19
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	13	0.19
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	13	0.19
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	16	0.19
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	16	0.19
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	16	0.19
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	16	0.19
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	1	0.19
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	3	0.19
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	16	0.19
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	1	0.19
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	3	0.19
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	16	0.19
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	1	0.19
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	16	0.19
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	1	0.19
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	3	0.19
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	16	0.19
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	3	0.19
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	3	0.19
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	3	0.19
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	12	0.19
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	12	0.19
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	12	0.19
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	3	0.19
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	3	0.19
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	3	0.19
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	3	0.19
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	3	0.19
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	3	0.19
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	12	0.19
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	12	0.19
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	12	0.19
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	20	0.19
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	20	0.19
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	1	0.19
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	1	0.19
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	1	0.19
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	6	0.19
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	6	0.19
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	6	0.19
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD12	10	0.19
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD11	10	0.19
(2,2420)	1:D:130:ASN:HD22	1:D:131:ILE:HD13	10	0.19
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD12	10	0.19
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD11	10	0.19
(2,2419)	1:C:130:ASN:HD22	1:C:131:ILE:HD13	10	0.19
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD12	10	0.19
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD11	10	0.19
(2,2418)	1:B:130:ASN:HD22	1:B:131:ILE:HD13	10	0.19
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	10	0.19
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	10	0.19
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	14	0.19
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	10	0.19
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	14	0.19
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	2	0.19
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	13	0.19
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	1	0.19
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	6	0.19
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	15	0.19
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	1	0.19
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	6	0.19
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	15	0.19
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	1	0.19
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	6	0.19
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	15	0.19
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	1	0.19
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	15	0.19
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	1	0.19
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	5	0.19
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	5	0.19
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	1	0.19
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	5	0.19
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	1	0.19
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	5	0.19
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	2	0.19
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	2	0.19
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	2	0.19
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	2	0.19
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	2	0.19
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	2	0.19
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	2	0.19
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	2	0.19
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	7	0.19
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	7	0.19
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	7	0.19
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	19	0.19
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	19	0.19
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	19	0.19
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	7	0.19
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	7	0.19
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	7	0.19
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	19	0.19
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	19	0.19
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	19	0.19
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	7	0.19
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	7	0.19
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	7	0.19
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	19	0.19
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	19	0.19
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	19	0.19
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	7	0.19
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	7	0.19
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	7	0.19
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	19	0.19
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	19	0.19
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	19	0.19
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	4	0.19
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	12	0.19
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	3	0.19
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	4	0.19
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	12	0.19
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	14	0.19
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	3	0.19
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	12	0.19
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	14	0.19
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	3	0.19
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	7	0.19
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	14	0.19
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	6	0.19
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	6	0.19
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	6	0.19
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	14	0.19
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	6	0.19
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	4	0.19
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	3	0.19
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	10	0.19
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	16	0.19
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	16	0.19
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	16	0.19
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	19	0.19
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	19	0.19
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	19	0.19
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	19	0.19
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	19	0.19
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	19	0.19
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	13	0.19
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	13	0.19
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	13	0.19
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	13	0.19
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	13	0.19
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	13	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	19	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	19	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	19	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	19	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	19	0.19
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	19	0.19
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	1	0.19
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	1	0.19
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	1	0.19
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	1	0.19
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	1	0.19
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	13	0.19
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	13	0.19
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	13	0.19
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	13	0.19
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	13	0.19
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	13	0.19
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	13	0.19
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	13	0.19
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	13	0.19
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	13	0.19
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	13	0.19
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	13	0.19
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	13	0.19
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	13	0.19
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	13	0.19
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	13	0.19
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	13	0.19
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	13	0.19
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	13	0.19
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	13	0.19
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	13	0.19
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	13	0.19
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	13	0.19
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	13	0.19
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	13	0.19
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	13	0.19
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	13	0.19
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG22	10	0.19
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG21	10	0.19
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG23	10	0.19
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG22	10	0.19
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG21	10	0.19
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG23	10	0.19
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG22	10	0.19
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG21	10	0.19
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG23	10	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	7	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	7	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	7	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	7	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	7	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	7	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	7	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	7	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	10	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	10	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	10	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	10	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	10	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	10	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	10	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	10	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	10	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	13	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	13	0.19
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	13	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	13	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	13	0.19
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	13	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	13	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	13	0.19
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	13	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	7	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	7	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	7	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	7	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	7	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	7	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	7	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	7	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	7	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	10	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	10	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	10	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	10	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	10	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	10	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	10	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	10	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	10	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	13	0.19
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	13	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	13	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	13	0.19
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	13	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	13	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	13	0.19
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	13	0.19
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	7	0.19
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	7	0.19
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	7	0.19
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	7	0.19
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	7	0.19
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	7	0.19
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	7	0.19
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	7	0.19
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	7	0.19
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	13	0.19
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	13	0.19
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	13	0.19
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	13	0.19
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	13	0.19
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	13	0.19
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	13	0.19
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	13	0.19
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	13	0.19
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	7	0.19
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	7	0.19
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	7	0.19
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	7	0.19
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	7	0.19
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	7	0.19
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	7	0.19
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	7	0.19
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	7	0.19
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	13	0.19
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	13	0.19
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	13	0.19
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	13	0.19
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	13	0.19
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	13	0.19
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	13	0.19
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	13	0.19
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	9	0.19
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	9	0.19
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	9	0.19
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	9	0.19
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	9	0.19
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	9	0.19
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	9	0.19
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	9	0.19
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	9	0.19
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	5	0.19
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	5	0.19
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	5	0.19
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	5	0.19
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	5	0.19
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	5	0.19
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	4	0.19
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	4	0.19
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	4	0.19
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	4	0.19
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	4	0.19
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	4	0.19
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	19	0.19
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	19	0.19
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	19	0.19
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	19	0.19
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	19	0.19
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	19	0.19
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	19	0.19
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	19	0.19
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	19	0.19
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	19	0.19
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	19	0.19
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	19	0.19
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	4	0.19
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	4	0.19
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	4	0.19
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	4	0.19
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	4	0.19
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	4	0.19
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	4	0.19
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	4	0.19
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	4	0.19
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	4	0.19
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	4	0.19
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	7	0.19
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	7	0.19
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	7	0.19
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	7	0.19
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	7	0.19
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	7	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	8	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	8	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	8	0.19
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	8	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	8	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	8	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	11	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	11	0.19
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	11	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	11	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	11	0.19
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	11	0.19
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	11	0.19
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	11	0.19
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	11	0.19
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	11	0.19
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	11	0.19
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	11	0.19
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	11	0.19
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	11	0.19
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	11	0.19
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	11	0.19
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	11	0.19
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	11	0.19
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	2	0.19
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	2	0.19
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	6	0.19
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	6	0.19
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	12	0.19
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	12	0.19
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	6	0.19
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	6	0.19
(1,28)	1:D:159:PRO:HD3	1:A:158:GLY:HA2	15	0.19
(1,28)	1:D:159:PRO:HD3	1:C:158:GLY:HA2	15	0.19
(1,27)	1:C:159:PRO:HD3	1:D:158:GLY:HA2	15	0.19
(1,27)	1:C:159:PRO:HD3	1:B:158:GLY:HA2	15	0.19
(1,26)	1:B:159:PRO:HD3	1:C:158:GLY:HA2	15	0.19
(1,26)	1:B:159:PRO:HD3	1:A:158:GLY:HA2	15	0.19
(1,25)	1:A:159:PRO:HD3	1:B:158:GLY:HA2	15	0.19
(1,25)	1:A:159:PRO:HD3	1:D:158:GLY:HA2	15	0.19
(1,24)	1:D:159:PRO:HD2	1:A:158:GLY:HA3	2	0.19
(1,24)	1:D:159:PRO:HD2	1:C:158:GLY:HA3	2	0.19
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	4	0.19
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	4	0.19
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	4	0.19
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	4	0.19
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	4	0.19
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	4	0.19
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	3	0.19
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	3	0.19
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	3	0.19
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	3	0.19
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	3	0.19
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	3	0.19
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	1	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	1	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	1	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	10	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	10	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	10	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	15	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	15	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	16	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	16	0.18
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	16	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	1	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	1	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	1	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	6	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	6	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	6	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	10	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	10	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	10	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	15	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	15	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	15	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	16	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	16	0.18
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	16	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	1	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	1	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	1	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	6	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	6	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	6	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	10	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	10	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	10	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	15	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	15	0.18
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	15	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	1	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	1	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	1	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	6	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	6	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	6	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	10	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	10	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	10	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	15	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	15	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	16	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	16	0.18
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	16	0.18
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	3	0.18
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	3	0.18
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	3	0.18
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	3	0.18
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	3	0.18
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	3	0.18
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	3	0.18
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	3	0.18
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	3	0.18
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	13	0.18
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	13	0.18
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	13	0.18
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	13	0.18
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	13	0.18
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	13	0.18
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	13	0.18
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	13	0.18
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	13	0.18
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	3	0.18
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	3	0.18
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	3	0.18
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	3	0.18
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	3	0.18
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	3	0.18
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	3	0.18
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	3	0.18
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	3	0.18
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	13	0.18
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	13	0.18
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	13	0.18
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	13	0.18
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	13	0.18
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	13	0.18
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	13	0.18
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	13	0.18
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	13	0.18
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	3	0.18
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	3	0.18
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	3	0.18
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	3	0.18
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	3	0.18
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	3	0.18
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	3	0.18
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	3	0.18
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	13	0.18
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	13	0.18
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	13	0.18
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	13	0.18
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	13	0.18
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	13	0.18
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	13	0.18
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	13	0.18
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	13	0.18
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	3	0.18
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	3	0.18
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	3	0.18
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	3	0.18
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	3	0.18
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	3	0.18
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	3	0.18
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	3	0.18
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	3	0.18
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	13	0.18
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	13	0.18
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	13	0.18
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	13	0.18
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	13	0.18
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	13	0.18
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	13	0.18
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	13	0.18
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	13	0.18
(2,780)	1:D:142:LEU:HD12	1:D:142:LEU:HA	4	0.18
(2,780)	1:D:142:LEU:HD11	1:D:142:LEU:HA	4	0.18
(2,780)	1:D:142:LEU:HD13	1:D:142:LEU:HA	4	0.18
(2,779)	1:C:142:LEU:HD12	1:C:142:LEU:HA	4	0.18
(2,779)	1:C:142:LEU:HD11	1:C:142:LEU:HA	4	0.18
(2,779)	1:C:142:LEU:HD13	1:C:142:LEU:HA	4	0.18
(2,778)	1:B:142:LEU:HD12	1:B:142:LEU:HA	4	0.18
(2,778)	1:B:142:LEU:HD11	1:B:142:LEU:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:B:142:LEU:HD13	1:B:142:LEU:HA	4	0.18
(2,777)	1:A:142:LEU:HD12	1:A:142:LEU:HA	4	0.18
(2,777)	1:A:142:LEU:HD11	1:A:142:LEU:HA	4	0.18
(2,777)	1:A:142:LEU:HD13	1:A:142:LEU:HA	4	0.18
(2,727)	1:C:162:ALA:HB2	1:C:158:GLY:HA2	3	0.18
(2,727)	1:C:162:ALA:HB1	1:C:158:GLY:HA2	3	0.18
(2,727)	1:C:162:ALA:HB3	1:C:158:GLY:HA2	3	0.18
(2,726)	1:B:162:ALA:HB2	1:B:158:GLY:HA2	3	0.18
(2,726)	1:B:162:ALA:HB1	1:B:158:GLY:HA2	3	0.18
(2,726)	1:B:162:ALA:HB3	1:B:158:GLY:HA2	3	0.18
(2,725)	1:A:162:ALA:HB2	1:A:158:GLY:HA2	3	0.18
(2,725)	1:A:162:ALA:HB1	1:A:158:GLY:HA2	3	0.18
(2,725)	1:A:162:ALA:HB3	1:A:158:GLY:HA2	3	0.18
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	8	0.18
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	8	0.18
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	8	0.18
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	8	0.18
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	8	0.18
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	8	0.18
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	8	0.18
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	8	0.18
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	8	0.18
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	8	0.18
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	8	0.18
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	8	0.18
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	8	0.18
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	8	0.18
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	8	0.18
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	8	0.18
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	8	0.18
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	8	0.18
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	8	0.18
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	8	0.18
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	8	0.18
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	8	0.18
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	8	0.18
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	8	0.18
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	8	0.18
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	8	0.18
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	8	0.18
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	8	0.18
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	8	0.18
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	8	0.18
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	8	0.18
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	8	0.18
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	8	0.18
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	8	0.18
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	8	0.18
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	10	0.18
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	10	0.18
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	10	0.18
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	10	0.18
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	10	0.18
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	10	0.18
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	10	0.18
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	10	0.18
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	10	0.18
(2,560)	1:D:128:ASN:HB3	1:D:128:ASN:HA	1	0.18
(2,559)	1:C:128:ASN:HB3	1:C:128:ASN:HA	1	0.18
(2,558)	1:B:128:ASN:HB3	1:B:128:ASN:HA	1	0.18
(2,557)	1:A:128:ASN:HB3	1:A:128:ASN:HA	1	0.18
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	12	0.18
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	12	0.18
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	12	0.18
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	4	0.18
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	4	0.18
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	4	0.18
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	12	0.18
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	12	0.18
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	12	0.18
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	12	0.18
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	12	0.18
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	12	0.18
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	20	0.18
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	20	0.18
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	18	0.18
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	20	0.18
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	15	0.18
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	15	0.18
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	15	0.18
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	15	0.18
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	15	0.18
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	15	0.18
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	15	0.18
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	15	0.18
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	11	0.18
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	16	0.18
(2,4)	1:D:163:ARG:HD2	1:D:163:ARG:HB2	4	0.18
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	8	0.18
(2,32)	1:D:163:ARG:HA	1:D:163:ARG:HG2	10	0.18
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	8	0.18
(2,31)	1:C:163:ARG:HA	1:C:163:ARG:HG2	10	0.18
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	8	0.18
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	10	0.18
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	2	0.18
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	2	0.18
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	2	0.18
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	3	0.18
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	2	0.18
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	12	0.18
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	12	0.18
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	12	0.18
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	16	0.18
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	16	0.18
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	16	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	1	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	1	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	1	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	6	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	6	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	6	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	9	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	9	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	9	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	13	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	13	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	13	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	16	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	16	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	16	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	20	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	20	0.18
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	20	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	1	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	1	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	6	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	6	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	6	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	9	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	9	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	9	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	16	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	16	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	16	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	20	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	20	0.18
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	20	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	1	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	1	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	1	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	6	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	6	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	6	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	9	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	9	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	9	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	16	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	16	0.18
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	16	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	9	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	9	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	9	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	13	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	13	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	13	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	16	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	16	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	16	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	20	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	20	0.18
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	20	0.18
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD12	10	0.18
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD11	10	0.18
(2,2417)	1:A:130:ASN:HD22	1:A:131:ILE:HD13	10	0.18
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	14	0.18
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	4	0.18
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	4	0.18
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	10	0.18
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	14	0.18
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	4	0.18
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	10	0.18
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	10	0.18
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	10	0.18
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	10	0.18
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	2	0.18
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	12	0.18
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	2	0.18
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	12	0.18
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	2	0.18
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	12	0.18
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	2	0.18
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	6	0.18
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	12	0.18
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	14	0.18
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	15	0.18
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	17	0.18
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	14	0.18
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	15	0.18
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	17	0.18
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	14	0.18
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	15	0.18
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	17	0.18
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	18	0.18
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	18	0.18
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	18	0.18
(2,2)	1:B:163:ARG:HD2	1:B:163:ARG:HB2	4	0.18
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	2	0.18
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	7	0.18
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	14	0.18
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	7	0.18
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	4	0.18
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	7	0.18
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	2	0.18
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	12	0.18
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	15	0.18
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	2	0.18
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	2	0.18
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	2	0.18
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	17	0.18
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	17	0.18
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	17	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	2	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	2	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	2	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	17	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	17	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	17	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	20	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	20	0.18
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	20	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	2	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	2	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	2	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	12	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	12	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	12	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	17	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	17	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	17	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	20	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	20	0.18
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	20	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	2	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	2	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	2	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	12	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	12	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	12	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	17	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	17	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	17	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	20	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	20	0.18
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	20	0.18
(2,1716)	1:D:151:THR:H	1:D:150:HIS:HB2	17	0.18
(2,1715)	1:C:151:THR:H	1:C:150:HIS:HB2	17	0.18
(2,1714)	1:B:151:THR:H	1:B:150:HIS:HB2	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1713)	1:A:151:THR:H	1:A:150:HIS:HB2	17	0.18
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	4	0.18
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	3	0.18
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	4	0.18
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	12	0.18
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	1	0.18
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	1	0.18
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	1	0.18
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	1	0.18
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	1	0.18
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	1	0.18
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	16	0.18
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	16	0.18
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	16	0.18
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	13	0.18
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	13	0.18
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	13	0.18
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	13	0.18
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	13	0.18
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	13	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	2	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	2	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	2	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	2	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	2	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	2	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	7	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	7	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	7	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	7	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	7	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	7	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	8	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	8	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	8	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	8	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	8	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	8	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	15	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	15	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	15	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	15	0.18
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	15	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	2	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	2	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	2	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	2	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	2	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	2	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	13	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	13	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	13	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	13	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	13	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	13	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	15	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	15	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	15	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	15	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	15	0.18
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	15	0.18
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	2	0.18
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	2	0.18
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	2	0.18
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	2	0.18
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	2	0.18
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	2	0.18
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	2	0.18
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	2	0.18
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	2	0.18
(2,1291)	1:C:153:VAL:HG12	1:B:148:MET:HG3	17	0.18
(2,1291)	1:C:153:VAL:HG11	1:B:148:MET:HG3	17	0.18
(2,1291)	1:C:153:VAL:HG13	1:B:148:MET:HG3	17	0.18
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG22	10	0.18
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG21	10	0.18
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG23	10	0.18
(2,1212)	1:D:145:ILE:HD12	1:D:142:LEU:HB2	14	0.18
(2,1212)	1:D:145:ILE:HD11	1:D:142:LEU:HB2	14	0.18
(2,1212)	1:D:145:ILE:HD13	1:D:142:LEU:HB2	14	0.18
(2,1211)	1:C:145:ILE:HD12	1:C:142:LEU:HB2	14	0.18
(2,1211)	1:C:145:ILE:HD11	1:C:142:LEU:HB2	14	0.18
(2,1211)	1:C:145:ILE:HD13	1:C:142:LEU:HB2	14	0.18
(2,1210)	1:B:145:ILE:HD12	1:B:142:LEU:HB2	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1210)	1:B:145:ILE:HD11	1:B:142:LEU:HB2	14	0.18
(2,1210)	1:B:145:ILE:HD13	1:B:142:LEU:HB2	14	0.18
(2,1209)	1:A:145:ILE:HD12	1:A:142:LEU:HB2	14	0.18
(2,1209)	1:A:145:ILE:HD11	1:A:142:LEU:HB2	14	0.18
(2,1209)	1:A:145:ILE:HD13	1:A:142:LEU:HB2	14	0.18
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	10	0.18
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	10	0.18
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	10	0.18
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	10	0.18
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	10	0.18
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	10	0.18
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	10	0.18
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	10	0.18
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	10	0.18
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	10	0.18
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	10	0.18
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	10	0.18
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	10	0.18
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	10	0.18
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	10	0.18
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	10	0.18
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	10	0.18
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	10	0.18
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	6	0.18
(2,1025)	1:A:127:THR:HG21	1:A:128:ASN:HB3	17	0.18
(2,1025)	1:A:127:THR:HG22	1:A:128:ASN:HB3	17	0.18
(2,1025)	1:A:127:THR:HG23	1:A:128:ASN:HB3	17	0.18
(2,1004)	1:D:136:ASP:HB2	1:D:133:ALA:HA	3	0.18
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	5	0.18
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	5	0.18
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	5	0.18
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	5	0.18
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	5	0.18
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	5	0.18
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	8	0.18
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	8	0.18
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	8	0.18
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	8	0.18
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	8	0.18
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	8	0.18
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	5	0.18
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	5	0.18
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	5	0.18
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	5	0.18
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	5	0.18
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	8	0.18
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	8	0.18
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	8	0.18
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	8	0.18
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	8	0.18
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	8	0.18
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	7	0.18
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	7	0.18
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	7	0.18
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	7	0.18
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	7	0.18
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	7	0.18
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	15	0.18
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	15	0.18
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	15	0.18
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	15	0.18
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	15	0.18
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	15	0.18
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	15	0.18
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	15	0.18
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	15	0.18
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	15	0.18
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	15	0.18
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	15	0.18
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	7	0.18
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	7	0.18
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	7	0.18
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	7	0.18
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	7	0.18
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	7	0.18
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	12	0.18
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	12	0.18
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	12	0.18
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	12	0.18
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	12	0.18
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	12	0.18
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	7	0.18
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	7	0.18
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	7	0.18
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	7	0.18
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	5	0.18
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	5	0.18
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	5	0.18
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	5	0.18
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	5	0.18
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	5	0.18
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	7	0.18
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	12	0.18
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	12	0.18
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	12	0.18
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	12	0.18
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	12	0.18
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	12	0.18
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	11	0.18
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	11	0.18
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	11	0.18
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	11	0.18
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	11	0.18
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	11	0.18
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	11	0.18
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	20	0.18
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	20	0.18
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	20	0.18
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	20	0.18
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	20	0.18
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	20	0.18
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	20	0.18
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	10	0.18
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	6	0.17
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	6	0.17
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	6	0.17
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	20	0.17
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	20	0.17
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	20	0.17
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	20	0.17
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	20	0.17
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	20	0.17
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	16	0.17
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	16	0.17
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	16	0.17
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	20	0.17
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	20	0.17
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	20	0.17
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	20	0.17
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	20	0.17
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	20	0.17
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	10	0.17
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	10	0.17
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	10	0.17
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	10	0.17
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	10	0.17
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	10	0.17
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	10	0.17
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	10	0.17
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	10	0.17
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	10	0.17
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	10	0.17
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	10	0.17
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	10	0.17
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	10	0.17
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	10	0.17
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	10	0.17
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	10	0.17
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	10	0.17
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	10	0.17
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	10	0.17
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	10	0.17
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	10	0.17
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	10	0.17
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	10	0.17
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	10	0.17
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	10	0.17
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	10	0.17
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	10	0.17
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	10	0.17
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	10	0.17
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	10	0.17
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	10	0.17
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	10	0.17
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	10	0.17
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	10	0.17
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	16	0.17
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	16	0.17
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	16	0.17
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	16	0.17
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	16	0.17
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	16	0.17
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	16	0.17
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	16	0.17
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	16	0.17
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	16	0.17
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	16	0.17
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	16	0.17
(2,800)	1:D:137:ARG:HD3	1:D:141:LYS:HE2	4	0.17
(2,799)	1:C:137:ARG:HD3	1:C:141:LYS:HE2	4	0.17
(2,798)	1:B:137:ARG:HD3	1:B:141:LYS:HE2	4	0.17
(2,797)	1:A:137:ARG:HD3	1:A:141:LYS:HE2	4	0.17
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	10	0.17
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	10	0.17
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	10	0.17
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	10	0.17
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	10	0.17
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	10	0.17
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	10	0.17
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	10	0.17
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	10	0.17
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	11	0.17
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	11	0.17
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	11	0.17
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	11	0.17
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	11	0.17
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	11	0.17
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	11	0.17
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	11	0.17
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	10	0.17
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	10	0.17
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	10	0.17
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	10	0.17
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	10	0.17
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	10	0.17
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	10	0.17
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	10	0.17
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	10	0.17
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	11	0.17
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	11	0.17
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	11	0.17
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	11	0.17
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	11	0.17
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	11	0.17
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	11	0.17
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	11	0.17
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	11	0.17
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	10	0.17
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	10	0.17
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	10	0.17
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	10	0.17
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	10	0.17
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	10	0.17
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	10	0.17
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	10	0.17
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	10	0.17
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	10	0.17
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	10	0.17
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	10	0.17
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	10	0.17
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	10	0.17
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	10	0.17
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	10	0.17
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	10	0.17
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	10	0.17
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	13	0.17
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	13	0.17
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	13	0.17
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	13	0.17
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	13	0.17
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	13	0.17
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	13	0.17
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	13	0.17
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	10	0.17
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	10	0.17
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	10	0.17
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	10	0.17
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	10	0.17
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	10	0.17
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	10	0.17
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	10	0.17
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	10	0.17
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	10	0.17
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	10	0.17
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	10	0.17
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	10	0.17
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	10	0.17
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	10	0.17
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	10	0.17
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	10	0.17
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	10	0.17
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	10	0.17
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	10	0.17
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	10	0.17
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	10	0.17
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	10	0.17
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	10	0.17
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	10	0.17
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	10	0.17
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	10	0.17
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	5	0.17
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	5	0.17
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	4	0.17
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	4	0.17
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	4	0.17
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	4	0.17
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	4	0.17
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	4	0.17
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	4	0.17
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	4	0.17
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	4	0.17
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	4	0.17
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	4	0.17
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	17	0.17
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	17	0.17
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	17	0.17
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	4	0.17
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	4	0.17
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	4	0.17
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	12	0.17
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	12	0.17
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	12	0.17
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	4	0.17
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	4	0.17
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	4	0.17
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	4	0.17
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	4	0.17
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	4	0.17
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	3	0.17
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	12	0.17
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	16	0.17
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	3	0.17
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	16	0.17
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	3	0.17
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	12	0.17
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	16	0.17
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	3	0.17
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	12	0.17
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	16	0.17
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	20	0.17
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	2	0.17
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	2	0.17
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	16	0.17
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	2	0.17
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	2	0.17
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	16	0.17
(2,324)	1:D:141:LYS:HE2	1:D:141:LYS:HG3	1	0.17
(2,324)	1:D:141:LYS:HE2	1:D:141:LYS:HG3	13	0.17
(2,324)	1:D:141:LYS:HE2	1:D:141:LYS:HG3	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:C:141:LYS:HE2	1:C:141:LYS:HG3	1	0.17
(2,323)	1:C:141:LYS:HE2	1:C:141:LYS:HG3	13	0.17
(2,323)	1:C:141:LYS:HE2	1:C:141:LYS:HG3	16	0.17
(2,322)	1:B:141:LYS:HE2	1:B:141:LYS:HG3	13	0.17
(2,322)	1:B:141:LYS:HE2	1:B:141:LYS:HG3	16	0.17
(2,321)	1:A:141:LYS:HE2	1:A:141:LYS:HG3	1	0.17
(2,321)	1:A:141:LYS:HE2	1:A:141:LYS:HG3	13	0.17
(2,321)	1:A:141:LYS:HE2	1:A:141:LYS:HG3	16	0.17
(2,30)	1:B:163:ARG:HA	1:B:163:ARG:HG2	10	0.17
(2,3)	1:C:163:ARG:HD2	1:C:163:ARG:HB2	4	0.17
(2,29)	1:A:163:ARG:HA	1:A:163:ARG:HG2	8	0.17
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	18	0.17
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	17	0.17
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	18	0.17
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	17	0.17
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	12	0.17
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	17	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	13	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	13	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	13	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	16	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	16	0.17
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	16	0.17
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	13	0.17
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	13	0.17
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	13	0.17
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	16	0.17
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	16	0.17
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	16	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	13	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	13	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	13	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	16	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	16	0.17
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	16	0.17
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	2	0.17
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	2	0.17
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	2	0.17
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	17	0.17
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	17	0.17
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	17	0.17
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	2	0.17
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	2	0.17
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	13	0.17
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	13	0.17
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	13	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	2	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	2	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	2	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	13	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	13	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	13	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	17	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	17	0.17
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	17	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	2	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	2	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	2	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	10	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	10	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	10	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	15	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	15	0.17
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	15	0.17
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	3	0.17
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	3	0.17
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	3	0.17
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	3	0.17
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	16	0.17
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	11	0.17
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	16	0.17
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	11	0.17
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	16	0.17
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	11	0.17
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	16	0.17
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	2	0.17
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	16	0.17
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	19	0.17
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	20	0.17
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	2	0.17
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	16	0.17
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	19	0.17
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	2	0.17
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	16	0.17
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	19	0.17
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	20	0.17
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	14	0.17
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	15	0.17
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	16	0.17
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	17	0.17
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	19	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	1	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	1	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	1	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	3	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	3	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	3	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	15	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	15	0.17
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	15	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	1	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	1	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	1	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	3	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	3	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	3	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	8	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	8	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	8	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	15	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	15	0.17
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	15	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	1	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	1	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	1	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	3	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	3	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	3	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	15	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	15	0.17
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	15	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	1	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	1	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	3	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	3	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	3	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	15	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	15	0.17
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	15	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	2	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	2	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	2	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	6	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	6	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	6	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	7	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	7	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	7	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	20	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	20	0.17
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	20	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	2	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	2	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	2	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	6	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	6	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	6	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	7	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	7	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	7	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	18	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	18	0.17
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	18	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	2	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	2	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	2	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	6	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	6	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	6	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	7	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	7	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	7	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	16	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	16	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	18	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	18	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	18	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	20	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	20	0.17
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	20	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	2	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	2	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	2	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	6	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	6	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	6	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	7	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	7	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	7	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	18	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	18	0.17
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	18	0.17
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	2	0.17
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	6	0.17
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	2	0.17
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	6	0.17
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	7	0.17
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	10	0.17
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	14	0.17
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	15	0.17
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	18	0.17
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	7	0.17
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	10	0.17
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	14	0.17
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	15	0.17
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	18	0.17
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	7	0.17
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	10	0.17
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	14	0.17
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	18	0.17
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	7	0.17
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	10	0.17
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	15	0.17
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	18	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	1	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	1	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	3	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	3	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	3	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	6	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	6	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	6	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	11	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	11	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	11	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	12	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	12	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	12	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	14	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	14	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	14	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	16	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	16	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	16	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	18	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	18	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	18	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	19	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	19	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	19	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	20	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	20	0.17
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	20	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	1	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	1	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	1	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	3	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	3	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	3	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	6	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	6	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	6	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	11	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	11	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	11	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	12	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	12	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	16	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	16	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	16	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	18	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	18	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	18	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	19	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	19	0.17
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	19	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	1	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	1	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	1	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	3	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	3	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	3	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	6	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	6	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	6	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	11	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	11	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	11	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	14	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	14	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	14	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	16	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	16	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	16	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	18	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	18	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	18	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	19	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	19	0.17
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	19	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	1	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	1	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	1	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	3	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	3	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	3	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	6	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	6	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	11	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	11	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	11	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	14	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	14	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	14	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	16	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	16	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	16	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	18	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	18	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	18	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	19	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	19	0.17
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	19	0.17
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	1	0.17
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	3	0.17
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	12	0.17
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	15	0.17
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	18	0.17
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	1	0.17
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	15	0.17
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	1	0.17
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	3	0.17
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	15	0.17
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	18	0.17
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG21	10	0.17
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG22	10	0.17
(2,1364)	1:D:131:ILE:HG13	1:A:132:THR:HG23	10	0.17
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG21	10	0.17
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG22	10	0.17
(2,1362)	1:B:131:ILE:HG13	1:C:132:THR:HG23	10	0.17
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	1	0.17
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	1	0.17
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	1	0.17
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	2	0.17
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	2	0.17
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	2	0.17
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	1	0.17
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	1	0.17
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	13	0.17
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	13	0.17
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	13	0.17
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	2	0.17
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	2	0.17
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	2	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	5	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	5	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	5	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	5	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	5	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	5	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	11	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	11	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	11	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	11	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	11	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	11	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	15	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	15	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	15	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	15	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	15	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	15	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	16	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	16	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	16	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	16	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	16	0.17
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	16	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	1	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	1	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	1	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	1	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	1	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	7	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	7	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	7	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	7	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	7	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	7	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	9	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	9	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	9	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	9	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	9	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	9	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	11	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	11	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	11	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	11	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	11	0.17
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	11	0.17
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	20	0.17
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	20	0.17
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	20	0.17
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	20	0.17
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	20	0.17
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	20	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	7	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	7	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	7	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	7	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	7	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	7	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	11	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	11	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	11	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	11	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	11	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	11	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	20	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	20	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	20	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	20	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	20	0.17
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	3	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	3	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	3	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	3	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	3	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	3	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	3	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	3	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	3	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	4	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	4	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	4	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	4	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	4	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	4	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	4	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	4	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	4	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	6	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	6	0.17
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	6	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	6	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	6	0.17
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	6	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	6	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	6	0.17
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	6	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	6	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	6	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	6	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	6	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	6	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	6	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	6	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	6	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	6	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	13	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	13	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	13	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	13	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	13	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	13	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	13	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	13	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	15	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	15	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	15	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	15	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	15	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	15	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	15	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	15	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	15	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	20	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	20	0.17
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	20	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	20	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	20	0.17
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	20	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	20	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	20	0.17
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	20	0.17
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	3	0.17
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	3	0.17
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	3	0.17
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	3	0.17
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	3	0.17
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	3	0.17
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	3	0.17
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	3	0.17
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	3	0.17
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	3	0.17
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	3	0.17
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	3	0.17
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	3	0.17
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	3	0.17
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	3	0.17
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	3	0.17
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	3	0.17
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	3	0.17
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	15	0.17
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	15	0.17
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	15	0.17
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	15	0.17
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	15	0.17
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	15	0.17
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	15	0.17
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	15	0.17
(2,1290)	1:B:153:VAL:HG12	1:A:148:MET:HG3	17	0.17
(2,1290)	1:B:153:VAL:HG11	1:A:148:MET:HG3	17	0.17
(2,1290)	1:B:153:VAL:HG13	1:A:148:MET:HG3	17	0.17
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	6	0.17
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	6	0.17
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	6	0.17
(2,1028)	1:D:127:THR:HG21	1:D:128:ASN:HB3	17	0.17
(2,1028)	1:D:127:THR:HG22	1:D:128:ASN:HB3	17	0.17
(2,1028)	1:D:127:THR:HG23	1:D:128:ASN:HB3	17	0.17
(2,1027)	1:C:127:THR:HG21	1:C:128:ASN:HB3	17	0.17
(2,1027)	1:C:127:THR:HG22	1:C:128:ASN:HB3	17	0.17
(2,1027)	1:C:127:THR:HG23	1:C:128:ASN:HB3	17	0.17
(2,1026)	1:B:127:THR:HG21	1:B:128:ASN:HB3	17	0.17
(2,1026)	1:B:127:THR:HG22	1:B:128:ASN:HB3	17	0.17
(2,1026)	1:B:127:THR:HG23	1:B:128:ASN:HB3	17	0.17
(2,1003)	1:C:136:ASP:HB2	1:C:133:ALA:HA	3	0.17
(2,1002)	1:B:136:ASP:HB2	1:B:133:ALA:HA	3	0.17
(2,1001)	1:A:136:ASP:HB2	1:A:133:ALA:HA	3	0.17
(2,1)	1:A:163:ARG:HD2	1:A:163:ARG:HB2	4	0.17
(1,663)	1:C:142:LEU:HD22	1:D:141:LYS:HB3	4	0.17
(1,663)	1:C:142:LEU:HD21	1:D:141:LYS:HB3	4	0.17
(1,663)	1:C:142:LEU:HD23	1:D:141:LYS:HB3	4	0.17
(1,663)	1:C:142:LEU:HD22	1:B:141:LYS:HB3	4	0.17
(1,663)	1:C:142:LEU:HD21	1:B:141:LYS:HB3	4	0.17
(1,663)	1:C:142:LEU:HD23	1:B:141:LYS:HB3	4	0.17
(1,662)	1:B:142:LEU:HD22	1:C:141:LYS:HB3	4	0.17
(1,662)	1:B:142:LEU:HD21	1:C:141:LYS:HB3	4	0.17
(1,662)	1:B:142:LEU:HD23	1:C:141:LYS:HB3	4	0.17
(1,662)	1:B:142:LEU:HD22	1:A:141:LYS:HB3	4	0.17
(1,662)	1:B:142:LEU:HD21	1:A:141:LYS:HB3	4	0.17
(1,662)	1:B:142:LEU:HD23	1:A:141:LYS:HB3	4	0.17
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	7	0.17
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	7	0.17
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	7	0.17
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	7	0.17
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	7	0.17
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	7	0.17
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	7	0.17
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	7	0.17
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	7	0.17
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	7	0.17
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	7	0.17
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	8	0.17
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	8	0.17
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	8	0.17
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	8	0.17
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	8	0.17
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	8	0.17
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	4	0.17
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	4	0.17
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	4	0.17
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	4	0.17
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	4	0.17
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	4	0.17
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	19	0.17
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	19	0.17
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	19	0.17
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	19	0.17
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	19	0.17
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	19	0.17
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	19	0.17
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	19	0.17
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	19	0.17
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	19	0.17
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	19	0.17
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	19	0.17
(1,467)	1:C:155:ALA:HB2	1:D:156:SER:HA	20	0.17
(1,467)	1:C:155:ALA:HB1	1:D:156:SER:HA	20	0.17
(1,467)	1:C:155:ALA:HB3	1:D:156:SER:HA	20	0.17
(1,467)	1:C:155:ALA:HB2	1:B:156:SER:HA	20	0.17
(1,467)	1:C:155:ALA:HB1	1:B:156:SER:HA	20	0.17
(1,467)	1:C:155:ALA:HB3	1:B:156:SER:HA	20	0.17
(1,465)	1:A:155:ALA:HB2	1:B:156:SER:HA	20	0.17
(1,465)	1:A:155:ALA:HB1	1:B:156:SER:HA	20	0.17
(1,465)	1:A:155:ALA:HB3	1:B:156:SER:HA	20	0.17
(1,465)	1:A:155:ALA:HB2	1:D:156:SER:HA	20	0.17
(1,465)	1:A:155:ALA:HB1	1:D:156:SER:HA	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:A:155:ALA:HB3	1:D:156:SER:HA	20	0.17
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	5	0.17
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	5	0.17
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	5	0.17
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	5	0.17
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	5	0.17
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	5	0.17
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	5	0.17
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	5	0.17
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	5	0.17
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	5	0.17
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	5	0.17
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	5	0.17
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	5	0.17
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	5	0.17
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	5	0.17
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	5	0.17
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	5	0.17
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	5	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	6	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	6	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	6	0.17
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	6	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	6	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	6	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	20	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	20	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	20	0.17
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	20	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	20	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	20	0.17
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	6	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	6	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	6	0.17
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	6	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	6	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	6	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	20	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	20	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	20	0.17
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	20	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	20	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	20	0.17
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	1	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	1	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	1	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	1	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	1	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	1	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	6	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	6	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	6	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	6	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	6	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	6	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	20	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	20	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	20	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	20	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	20	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	20	0.17
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	20	0.17
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	10	0.17
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	10	0.17
(1,299)	1:C:146:LEU:HD22	1:B:141:LYS:HE3	4	0.17
(1,299)	1:C:146:LEU:HD21	1:B:141:LYS:HE3	4	0.17
(1,299)	1:C:146:LEU:HD23	1:B:141:LYS:HE3	4	0.17
(1,299)	1:C:146:LEU:HD22	1:A:141:LYS:HE3	4	0.17
(1,299)	1:C:146:LEU:HD21	1:A:141:LYS:HE3	4	0.17
(1,299)	1:C:146:LEU:HD23	1:A:141:LYS:HE3	4	0.17
(1,297)	1:A:146:LEU:HD22	1:D:141:LYS:HE3	4	0.17
(1,297)	1:A:146:LEU:HD21	1:D:141:LYS:HE3	4	0.17
(1,297)	1:A:146:LEU:HD23	1:D:141:LYS:HE3	4	0.17
(1,297)	1:A:146:LEU:HD22	1:C:141:LYS:HE3	4	0.17
(1,297)	1:A:146:LEU:HD21	1:C:141:LYS:HE3	4	0.17
(1,297)	1:A:146:LEU:HD23	1:C:141:LYS:HE3	4	0.17
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG22	7	0.17
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG21	7	0.17
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG23	7	0.17
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG22	7	0.17
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG21	7	0.17
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG23	7	0.17
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG22	7	0.17
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG21	7	0.17
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG23	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG22	7	0.17
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG21	7	0.17
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG23	7	0.17
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG22	7	0.17
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG21	7	0.17
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG23	7	0.17
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG22	7	0.17
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG21	7	0.17
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG23	7	0.17
(1,236)	1:D:149:LEU:HD12	1:A:146:LEU:HB2	17	0.17
(1,236)	1:D:149:LEU:HD11	1:A:146:LEU:HB2	17	0.17
(1,236)	1:D:149:LEU:HD13	1:A:146:LEU:HB2	17	0.17
(1,236)	1:D:149:LEU:HD12	1:C:146:LEU:HB2	17	0.17
(1,236)	1:D:149:LEU:HD11	1:C:146:LEU:HB2	17	0.17
(1,236)	1:D:149:LEU:HD13	1:C:146:LEU:HB2	17	0.17
(1,235)	1:C:149:LEU:HD12	1:D:146:LEU:HB2	17	0.17
(1,235)	1:C:149:LEU:HD11	1:D:146:LEU:HB2	17	0.17
(1,235)	1:C:149:LEU:HD13	1:D:146:LEU:HB2	17	0.17
(1,235)	1:C:149:LEU:HD12	1:B:146:LEU:HB2	17	0.17
(1,235)	1:C:149:LEU:HD11	1:B:146:LEU:HB2	17	0.17
(1,235)	1:C:149:LEU:HD13	1:B:146:LEU:HB2	17	0.17
(1,234)	1:B:149:LEU:HD12	1:C:146:LEU:HB2	17	0.17
(1,234)	1:B:149:LEU:HD11	1:C:146:LEU:HB2	17	0.17
(1,234)	1:B:149:LEU:HD13	1:C:146:LEU:HB2	17	0.17
(1,234)	1:B:149:LEU:HD12	1:A:146:LEU:HB2	17	0.17
(1,234)	1:B:149:LEU:HD11	1:A:146:LEU:HB2	17	0.17
(1,234)	1:B:149:LEU:HD13	1:A:146:LEU:HB2	17	0.17
(1,233)	1:A:149:LEU:HD12	1:B:146:LEU:HB2	17	0.17
(1,233)	1:A:149:LEU:HD11	1:B:146:LEU:HB2	17	0.17
(1,233)	1:A:149:LEU:HD13	1:B:146:LEU:HB2	17	0.17
(1,233)	1:A:149:LEU:HD12	1:D:146:LEU:HB2	17	0.17
(1,233)	1:A:149:LEU:HD11	1:D:146:LEU:HB2	17	0.17
(1,233)	1:A:149:LEU:HD13	1:D:146:LEU:HB2	17	0.17
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	3	0.17
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	3	0.17
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	3	0.17
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	3	0.17
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	3	0.17
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	3	0.17
(1,119)	1:C:154:VAL:HG22	1:B:148:MET:HG3	3	0.17
(1,119)	1:C:154:VAL:HG21	1:B:148:MET:HG3	3	0.17
(1,119)	1:C:154:VAL:HG23	1:B:148:MET:HG3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:C:154:VAL:HG22	1:D:148:MET:HG3	3	0.17
(1,119)	1:C:154:VAL:HG21	1:D:148:MET:HG3	3	0.17
(1,119)	1:C:154:VAL:HG23	1:D:148:MET:HG3	3	0.17
(1,118)	1:B:154:VAL:HG22	1:A:148:MET:HG3	3	0.17
(1,118)	1:B:154:VAL:HG21	1:A:148:MET:HG3	3	0.17
(1,118)	1:B:154:VAL:HG23	1:A:148:MET:HG3	3	0.17
(1,118)	1:B:154:VAL:HG22	1:C:148:MET:HG3	3	0.17
(1,118)	1:B:154:VAL:HG21	1:C:148:MET:HG3	3	0.17
(1,118)	1:B:154:VAL:HG23	1:C:148:MET:HG3	3	0.17
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	6	0.16
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	20	0.16
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	20	0.16
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	6	0.16
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	20	0.16
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	6	0.16
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	20	0.16
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	13	0.16
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	13	0.16
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	13	0.16
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	13	0.16
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	13	0.16
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	13	0.16
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	13	0.16
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	13	0.16
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	13	0.16
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	13	0.16
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	13	0.16
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	13	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	2	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	2	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	2	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	2	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	2	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	2	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	2	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	2	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	2	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	11	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	11	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	11	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	11	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	11	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	11	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	11	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	11	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	20	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	20	0.16
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	20	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	20	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	20	0.16
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	20	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	20	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	20	0.16
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	20	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	2	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	2	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	2	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	2	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	2	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	2	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	2	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	2	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	2	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	11	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	11	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	11	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	11	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	11	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	11	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	11	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	11	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	11	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	20	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	20	0.16
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	20	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	20	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	20	0.16
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	20	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	20	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	20	0.16
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	20	0.16
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	11	0.16
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	11	0.16
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	11	0.16
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	11	0.16
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	11	0.16
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	11	0.16
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	11	0.16
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	11	0.16
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	20	0.16
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	20	0.16
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	20	0.16
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	20	0.16
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	20	0.16
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	20	0.16
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	20	0.16
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	20	0.16
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	20	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	2	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	2	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	2	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	2	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	2	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	2	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	2	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	2	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	2	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	11	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	11	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	11	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	11	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	11	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	11	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	11	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	11	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	11	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	20	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	20	0.16
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	20	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	20	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	20	0.16
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	20	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	20	0.16
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	20	0.16
(2,784)	1:D:141:LYS:HD3	1:D:141:LYS:HA	3	0.16
(2,783)	1:C:141:LYS:HD3	1:C:141:LYS:HA	3	0.16
(2,782)	1:B:141:LYS:HD3	1:B:141:LYS:HA	3	0.16
(2,781)	1:A:141:LYS:HD3	1:A:141:LYS:HA	3	0.16
(2,780)	1:D:142:LEU:HD12	1:D:142:LEU:HA	14	0.16
(2,780)	1:D:142:LEU:HD11	1:D:142:LEU:HA	14	0.16
(2,780)	1:D:142:LEU:HD13	1:D:142:LEU:HA	14	0.16
(2,779)	1:C:142:LEU:HD12	1:C:142:LEU:HA	14	0.16
(2,779)	1:C:142:LEU:HD11	1:C:142:LEU:HA	14	0.16
(2,779)	1:C:142:LEU:HD13	1:C:142:LEU:HA	14	0.16
(2,778)	1:B:142:LEU:HD12	1:B:142:LEU:HA	14	0.16
(2,778)	1:B:142:LEU:HD11	1:B:142:LEU:HA	14	0.16
(2,778)	1:B:142:LEU:HD13	1:B:142:LEU:HA	14	0.16
(2,777)	1:A:142:LEU:HD12	1:A:142:LEU:HA	14	0.16
(2,777)	1:A:142:LEU:HD11	1:A:142:LEU:HA	14	0.16
(2,777)	1:A:142:LEU:HD13	1:A:142:LEU:HA	14	0.16
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	13	0.16
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	13	0.16
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	13	0.16
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	13	0.16
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	13	0.16
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	13	0.16
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	13	0.16
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	13	0.16
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	13	0.16
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	13	0.16
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	13	0.16
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	13	0.16
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	13	0.16
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	13	0.16
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	13	0.16
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	13	0.16
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	13	0.16
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	13	0.16
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	11	0.16
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	11	0.16
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	11	0.16
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	11	0.16
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	11	0.16
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	11	0.16
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	11	0.16
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	11	0.16
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	13	0.16
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	13	0.16
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	13	0.16
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	13	0.16
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	13	0.16
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	13	0.16
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	13	0.16
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	13	0.16
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	13	0.16
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	11	0.16
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	11	0.16
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	11	0.16
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	11	0.16
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	11	0.16
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	11	0.16
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	11	0.16
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	11	0.16
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	11	0.16
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	3	0.16
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	3	0.16
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	3	0.16
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	3	0.16
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	3	0.16
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	3	0.16
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	3	0.16
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	3	0.16
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	3	0.16
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	3	0.16
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	3	0.16
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	3	0.16
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	3	0.16
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	3	0.16
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	3	0.16
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	3	0.16
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	3	0.16
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	3	0.16
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	3	0.16
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	3	0.16
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	3	0.16
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	3	0.16
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	3	0.16
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	3	0.16
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	3	0.16
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	3	0.16
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	3	0.16
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	3	0.16
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	3	0.16
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	3	0.16
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	3	0.16
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	3	0.16
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	3	0.16
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	3	0.16
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	3	0.16
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	12	0.16
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	12	0.16
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	12	0.16
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	20	0.16
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	20	0.16
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	20	0.16
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	5	0.16
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	5	0.16
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	5	0.16
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	12	0.16
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	12	0.16
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	12	0.16
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	20	0.16
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	20	0.16
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	20	0.16
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	5	0.16
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	5	0.16
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	5	0.16
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	12	0.16
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	12	0.16
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	12	0.16
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	20	0.16
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	20	0.16
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	20	0.16
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	5	0.16
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	5	0.16
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	5	0.16
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	12	0.16
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	12	0.16
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	17	0.16
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	17	0.16
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	17	0.16
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	17	0.16
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	17	0.16
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	17	0.16
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	17	0.16
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	17	0.16
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	17	0.16
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	20	0.16
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	20	0.16
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	20	0.16
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	20	0.16
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	8	0.16
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	8	0.16
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	15	0.16
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	12	0.16
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	15	0.16
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	15	0.16
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	15	0.16
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	8	0.16
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	8	0.16
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	14	0.16
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	14	0.16
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	14	0.16
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	14	0.16
(2,456)	1:D:134:ARG:HA	1:D:134:ARG:HD2	1	0.16
(2,455)	1:C:134:ARG:HA	1:C:134:ARG:HD2	1	0.16
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	11	0.16
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	10	0.16
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	10	0.16
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	10	0.16
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	10	0.16
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	10	0.16
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	10	0.16
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	11	0.16
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	11	0.16
(2,364)	1:D:140:GLU:HB3	1:D:137:ARG:HA	17	0.16
(2,362)	1:B:140:GLU:HB3	1:B:137:ARG:HA	17	0.16
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	3	0.16
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	3	0.16
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	3	0.16
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	3	0.16
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	3	0.16
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	3	0.16
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	3	0.16
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	3	0.16
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	3	0.16
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	3	0.16
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	3	0.16
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	15	0.16
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	17	0.16
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	15	0.16
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	17	0.16
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	18	0.16
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	20	0.16
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	15	0.16
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	18	0.16
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	10	0.16
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	13	0.16
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	17	0.16
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	10	0.16
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	12	0.16
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	13	0.16
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	17	0.16
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	10	0.16
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	12	0.16
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	17	0.16
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	12	0.16
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	13	0.16
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	15	0.16
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	15	0.16
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	15	0.16
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	15	0.16
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	15	0.16
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	15	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	13	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	13	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	13	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	15	0.16
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	15	0.16
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	1	0.16
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	1	0.16
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	1	0.16
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	15	0.16
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	15	0.16
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	15	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	8	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	8	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	8	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	10	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	10	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	10	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	11	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	11	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	11	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	15	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	15	0.16
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	15	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	5	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	5	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	5	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	11	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	11	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	11	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	15	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	15	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	15	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	17	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	17	0.16
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	17	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	5	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	5	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	5	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	8	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	8	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	8	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	11	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	11	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	11	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	15	0.16
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	15	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	5	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	5	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	5	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	8	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	8	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	8	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	11	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	11	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	11	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	17	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	17	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	17	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	19	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	19	0.16
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	19	0.16
(2,2260)	1:D:151:THR:H	1:D:149:LEU:H	5	0.16
(2,2257)	1:A:151:THR:H	1:A:149:LEU:H	5	0.16
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	4	0.16
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	4	0.16
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	4	0.16
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	4	0.16
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	14	0.16
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	14	0.16
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	4	0.16
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	10	0.16
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	11	0.16
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	4	0.16
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	4	0.16
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	10	0.16
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	4	0.16
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	9	0.16
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	4	0.16
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	9	0.16
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	4	0.16
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	9	0.16
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	2	0.16
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	4	0.16
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	18	0.16
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	20	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	2	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	2	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	4	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	4	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	4	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	6	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	6	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	6	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	8	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	8	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	8	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	20	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	20	0.16
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	20	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	2	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	2	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	2	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	14	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	14	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	14	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	16	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	16	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	16	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	20	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	20	0.16
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	20	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	2	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	2	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	2	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	4	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	4	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	4	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	6	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	6	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	6	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	8	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	8	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	8	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	14	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	14	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	14	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	16	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	16	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	20	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	20	0.16
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	20	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	2	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	2	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	2	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	4	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	4	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	4	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	6	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	6	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	6	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	8	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	8	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	8	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	16	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	16	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	16	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	20	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	20	0.16
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	20	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	4	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	4	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	4	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	9	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	9	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	9	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	16	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	16	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	16	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	19	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	19	0.16
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	19	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	4	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	4	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	4	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	9	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	9	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	9	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	16	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	16	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	19	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	19	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	19	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	20	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	20	0.16
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	20	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	4	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	4	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	4	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	9	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	9	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	9	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	19	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	19	0.16
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	19	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	4	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	4	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	4	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	9	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	9	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	9	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	16	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	16	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	16	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	19	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	19	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	19	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	20	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	20	0.16
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	20	0.16
(2,1966)	1:B:140:GLU:H	1:B:140:GLU:HB3	5	0.16
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	6	0.16
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	11	0.16
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	20	0.16
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	11	0.16
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	20	0.16
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	8	0.16
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	6	0.16
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	8	0.16
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	9	0.16
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	15	0.16
(2,1784)	1:D:160:THR:H	1:D:159:PRO:HG2	3	0.16
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	8	0.16
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	9	0.16
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	11	0.16
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	19	0.16
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	20	0.16
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	8	0.16
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	9	0.16
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	11	0.16
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	19	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	8	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	9	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	11	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	12	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	19	0.16
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	20	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	8	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	9	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	11	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	17	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	19	0.16
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	20	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	4	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	4	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	4	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	8	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	8	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	8	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	10	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	10	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	10	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	13	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	13	0.16
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	13	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	4	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	4	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	4	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	8	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	8	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	8	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	10	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	10	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	13	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	13	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	13	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	14	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	14	0.16
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	14	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	4	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	4	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	4	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	8	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	8	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	8	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	10	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	10	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	10	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	13	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	13	0.16
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	13	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	4	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	4	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	4	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	8	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	8	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	8	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	10	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	10	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	10	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	13	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	13	0.16
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	13	0.16
(2,1599)	1:C:137:ARG:H	1:C:136:ASP:HB2	4	0.16
(2,1598)	1:B:137:ARG:H	1:B:136:ASP:HB2	4	0.16
(2,1404)	1:D:134:ARG:H	1:D:135:LEU:HB3	10	0.16
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	10	0.16
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	12	0.16
(2,1403)	1:C:134:ARG:H	1:C:135:LEU:HB3	18	0.16
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	10	0.16
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	12	0.16
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG21	10	0.16
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG22	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1363)	1:C:131:ILE:HG13	1:D:132:THR:HG23	10	0.16
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD12	13	0.16
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD11	13	0.16
(2,1348)	1:D:141:LYS:HE2	1:A:146:LEU:HD13	13	0.16
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	2	0.16
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	2	0.16
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	2	0.16
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD12	13	0.16
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD11	13	0.16
(2,1347)	1:C:141:LYS:HE2	1:D:146:LEU:HD13	13	0.16
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD12	2	0.16
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD11	2	0.16
(2,1346)	1:B:141:LYS:HE2	1:C:146:LEU:HD13	2	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	1	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	1	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	1	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	1	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	1	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	1	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	8	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	8	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	8	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	8	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	8	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	8	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	9	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	9	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	9	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	9	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	9	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	9	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	10	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	10	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	10	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	10	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	10	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	10	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	20	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	20	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	20	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	20	0.16
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	20	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	2	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	2	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	2	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	2	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	2	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	2	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	5	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	5	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	5	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	5	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	5	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	5	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	8	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	8	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	8	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	8	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	8	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	8	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	15	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	15	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	15	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	15	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	15	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	15	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	20	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	20	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	20	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	20	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	20	0.16
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	20	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	1	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	1	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	1	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	1	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	1	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	1	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	5	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	5	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	5	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	5	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	5	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	6	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	6	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	6	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	6	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	6	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	6	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	9	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	9	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	9	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	9	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	9	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	9	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	10	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	10	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	10	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	10	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	10	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	10	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	11	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	11	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	11	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	11	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	11	0.16
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	11	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	5	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	5	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	5	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	5	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	5	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	5	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	19	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	19	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	19	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	19	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	19	0.16
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	19	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	2	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	2	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	2	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	2	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	2	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	2	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	2	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	2	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	15	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	15	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	15	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	15	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	15	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	15	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	15	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	15	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	15	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	20	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	20	0.16
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	20	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	20	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	20	0.16
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	20	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	20	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	20	0.16
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	20	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	1	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	1	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	1	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	1	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	1	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	1	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	1	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	1	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	1	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	3	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	3	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	3	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	3	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	3	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	3	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	3	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	3	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	3	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	11	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	11	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	11	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	11	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	11	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	11	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	11	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	11	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	16	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	16	0.16
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	16	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	16	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	16	0.16
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	16	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	16	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	16	0.16
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	16	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	1	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	1	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	1	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	1	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	1	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	1	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	1	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	1	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	1	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	2	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	2	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	2	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	2	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	2	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	2	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	2	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	2	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	2	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	6	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	6	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	6	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	6	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	6	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	6	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	6	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	6	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	15	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	15	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	15	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	15	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	15	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	15	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	15	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	15	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	15	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	20	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	20	0.16
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	20	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	20	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	20	0.16
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	20	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	20	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	20	0.16
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	20	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	2	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	2	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	2	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	2	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	2	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	2	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	2	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	2	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	2	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	6	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	6	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	6	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	6	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	6	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	6	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	6	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	6	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	6	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	20	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	20	0.16
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	20	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	20	0.16
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	20	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	20	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	20	0.16
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	20	0.16
(2,1292)	1:D:153:VAL:HG12	1:C:148:MET:HG3	17	0.16
(2,1292)	1:D:153:VAL:HG11	1:C:148:MET:HG3	17	0.16
(2,1292)	1:D:153:VAL:HG13	1:C:148:MET:HG3	17	0.16
(2,1289)	1:A:153:VAL:HG12	1:D:148:MET:HG3	17	0.16
(2,1289)	1:A:153:VAL:HG11	1:D:148:MET:HG3	17	0.16
(2,1289)	1:A:153:VAL:HG13	1:D:148:MET:HG3	17	0.16
(2,1136)	1:D:135:LEU:HA	1:D:138:ILE:HG12	14	0.16
(2,1135)	1:C:135:LEU:HA	1:C:138:ILE:HG12	14	0.16
(2,1134)	1:B:135:LEU:HA	1:B:138:ILE:HG12	14	0.16
(2,1133)	1:A:135:LEU:HA	1:A:138:ILE:HG12	14	0.16
(1,661)	1:A:142:LEU:HD22	1:B:141:LYS:HB3	4	0.16
(1,661)	1:A:142:LEU:HD21	1:B:141:LYS:HB3	4	0.16
(1,661)	1:A:142:LEU:HD23	1:B:141:LYS:HB3	4	0.16
(1,661)	1:A:142:LEU:HD22	1:D:141:LYS:HB3	4	0.16
(1,661)	1:A:142:LEU:HD21	1:D:141:LYS:HB3	4	0.16
(1,661)	1:A:142:LEU:HD23	1:D:141:LYS:HB3	4	0.16
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	5	0.16
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	5	0.16
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	5	0.16
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	5	0.16
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	5	0.16
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	5	0.16
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	8	0.16
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	8	0.16
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	8	0.16
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	8	0.16
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	8	0.16
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	8	0.16
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	7	0.16
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	7	0.16
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	7	0.16
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	7	0.16
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	7	0.16
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	7	0.16
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	4	0.16
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	4	0.16
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	4	0.16
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	4	0.16
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	4	0.16
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	20	0.16
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	20	0.16
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	20	0.16
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	20	0.16
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	20	0.16
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	20	0.16
(1,468)	1:D:155:ALA:HB2	1:A:156:SER:HA	20	0.16
(1,468)	1:D:155:ALA:HB1	1:A:156:SER:HA	20	0.16
(1,468)	1:D:155:ALA:HB3	1:A:156:SER:HA	20	0.16
(1,468)	1:D:155:ALA:HB2	1:C:156:SER:HA	20	0.16
(1,468)	1:D:155:ALA:HB1	1:C:156:SER:HA	20	0.16
(1,468)	1:D:155:ALA:HB3	1:C:156:SER:HA	20	0.16
(1,466)	1:B:155:ALA:HB2	1:C:156:SER:HA	20	0.16
(1,466)	1:B:155:ALA:HB1	1:C:156:SER:HA	20	0.16
(1,466)	1:B:155:ALA:HB3	1:C:156:SER:HA	20	0.16
(1,466)	1:B:155:ALA:HB2	1:A:156:SER:HA	20	0.16
(1,466)	1:B:155:ALA:HB1	1:A:156:SER:HA	20	0.16
(1,466)	1:B:155:ALA:HB3	1:A:156:SER:HA	20	0.16
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	1	0.16
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	1	0.16
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	1	0.16
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	1	0.16
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	1	0.16
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	1	0.16
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	1	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	1	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	1	0.16
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	1	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	1	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	1	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	2	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	2	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	2	0.16
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	2	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	2	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	2	0.16
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	2	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	1	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	1	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	1	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	1	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	1	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	1	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	6	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	6	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	6	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	6	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	6	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	6	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	16	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	16	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	16	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	16	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	16	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	16	0.16
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	16	0.16
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG12	14	0.16
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG11	14	0.16
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG13	14	0.16
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG12	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG11	14	0.16
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG13	14	0.16
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	12	0.16
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	12	0.16
(1,300)	1:D:146:LEU:HD22	1:C:141:LYS:HE3	3	0.16
(1,300)	1:D:146:LEU:HD21	1:C:141:LYS:HE3	3	0.16
(1,300)	1:D:146:LEU:HD23	1:C:141:LYS:HE3	3	0.16
(1,300)	1:D:146:LEU:HD22	1:B:141:LYS:HE3	3	0.16
(1,300)	1:D:146:LEU:HD21	1:B:141:LYS:HE3	3	0.16
(1,300)	1:D:146:LEU:HD23	1:B:141:LYS:HE3	3	0.16
(1,300)	1:D:146:LEU:HD22	1:C:141:LYS:HE3	4	0.16
(1,300)	1:D:146:LEU:HD21	1:C:141:LYS:HE3	4	0.16
(1,300)	1:D:146:LEU:HD23	1:C:141:LYS:HE3	4	0.16
(1,300)	1:D:146:LEU:HD22	1:B:141:LYS:HE3	4	0.16
(1,300)	1:D:146:LEU:HD21	1:B:141:LYS:HE3	4	0.16
(1,300)	1:D:146:LEU:HD23	1:B:141:LYS:HE3	4	0.16
(1,299)	1:C:146:LEU:HD22	1:B:141:LYS:HE3	3	0.16
(1,299)	1:C:146:LEU:HD21	1:B:141:LYS:HE3	3	0.16
(1,299)	1:C:146:LEU:HD23	1:B:141:LYS:HE3	3	0.16
(1,299)	1:C:146:LEU:HD22	1:A:141:LYS:HE3	3	0.16
(1,299)	1:C:146:LEU:HD21	1:A:141:LYS:HE3	3	0.16
(1,299)	1:C:146:LEU:HD23	1:A:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD22	1:A:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD21	1:A:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD23	1:A:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD22	1:D:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD21	1:D:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD23	1:D:141:LYS:HE3	3	0.16
(1,298)	1:B:146:LEU:HD22	1:A:141:LYS:HE3	4	0.16
(1,298)	1:B:146:LEU:HD21	1:A:141:LYS:HE3	4	0.16
(1,298)	1:B:146:LEU:HD23	1:A:141:LYS:HE3	4	0.16
(1,298)	1:B:146:LEU:HD22	1:D:141:LYS:HE3	4	0.16
(1,298)	1:B:146:LEU:HD21	1:D:141:LYS:HE3	4	0.16
(1,298)	1:B:146:LEU:HD23	1:D:141:LYS:HE3	4	0.16
(1,297)	1:A:146:LEU:HD22	1:D:141:LYS:HE3	3	0.16
(1,297)	1:A:146:LEU:HD21	1:D:141:LYS:HE3	3	0.16
(1,297)	1:A:146:LEU:HD23	1:D:141:LYS:HE3	3	0.16
(1,297)	1:A:146:LEU:HD22	1:C:141:LYS:HE3	3	0.16
(1,297)	1:A:146:LEU:HD21	1:C:141:LYS:HE3	3	0.16
(1,297)	1:A:146:LEU:HD23	1:C:141:LYS:HE3	3	0.16
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	18	0.16
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG22	7	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG21	7	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG23	7	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG22	7	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG21	7	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG23	7	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG22	7	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG21	7	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG23	7	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG22	7	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG21	7	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG23	7	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG22	7	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG21	7	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG23	7	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG22	7	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG21	7	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG23	7	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG22	19	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG21	19	0.16
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG23	19	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG22	19	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG21	19	0.16
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG23	19	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG22	19	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG21	19	0.16
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG23	19	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG22	19	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG21	19	0.16
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG23	19	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG22	19	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG21	19	0.16
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG23	19	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG22	19	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG21	19	0.16
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG23	19	0.16
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG22	7	0.16
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG21	7	0.16
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG23	7	0.16
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG22	7	0.16
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG21	7	0.16
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG23	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG22	7	0.16
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG21	7	0.16
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG23	7	0.16
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG22	7	0.16
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG21	7	0.16
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG23	7	0.16
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG22	7	0.16
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG21	7	0.16
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG23	7	0.16
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG22	7	0.16
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG21	7	0.16
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG23	7	0.16
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG22	19	0.16
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG21	19	0.16
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG23	19	0.16
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG22	19	0.16
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG21	19	0.16
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG23	19	0.16
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG22	19	0.16
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG21	19	0.16
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG23	19	0.16
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG22	19	0.16
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG21	19	0.16
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG23	19	0.16
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG22	19	0.16
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG21	19	0.16
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG23	19	0.16
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG22	19	0.16
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG21	19	0.16
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG23	19	0.16
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG22	7	0.16
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG21	7	0.16
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG23	7	0.16
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG22	7	0.16
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG21	7	0.16
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG23	7	0.16
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG22	7	0.16
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG21	7	0.16
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG23	7	0.16
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG22	7	0.16
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG21	7	0.16
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG23	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG22	7	0.16
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG21	7	0.16
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG23	7	0.16
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG22	7	0.16
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG21	7	0.16
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG23	7	0.16
(1,15)	1:C:160:THR:HG21	1:D:160:THR:HB	20	0.16
(1,15)	1:C:160:THR:HG22	1:D:160:THR:HB	20	0.16
(1,15)	1:C:160:THR:HG23	1:D:160:THR:HB	20	0.16
(1,15)	1:C:160:THR:HG21	1:B:160:THR:HB	20	0.16
(1,15)	1:C:160:THR:HG22	1:B:160:THR:HB	20	0.16
(1,15)	1:C:160:THR:HG23	1:B:160:THR:HB	20	0.16
(1,117)	1:A:154:VAL:HG22	1:D:148:MET:HG3	4	0.16
(1,117)	1:A:154:VAL:HG21	1:D:148:MET:HG3	4	0.16
(1,117)	1:A:154:VAL:HG23	1:D:148:MET:HG3	4	0.16
(1,117)	1:A:154:VAL:HG22	1:B:148:MET:HG3	4	0.16
(1,117)	1:A:154:VAL:HG21	1:B:148:MET:HG3	4	0.16
(1,117)	1:A:154:VAL:HG23	1:B:148:MET:HG3	4	0.16
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	9	0.15
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	14	0.15
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	6	0.15
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	9	0.15
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	14	0.15
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	9	0.15
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	9	0.15
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	14	0.15
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	15	0.15
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	15	0.15
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	15	0.15
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	15	0.15
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	12	0.15
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	12	0.15
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	12	0.15
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	12	0.15
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	12	0.15
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	12	0.15
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	12	0.15
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	12	0.15
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	12	0.15
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	19	0.15
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	19	0.15
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	12	0.15
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	12	0.15
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	12	0.15
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	2	0.15
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	2	0.15
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	2	0.15
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	2	0.15
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	2	0.15
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	2	0.15
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	2	0.15
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	2	0.15
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	2	0.15
(2,768)	1:D:145:ILE:HA	1:D:144:GLU:HB2	4	0.15
(2,767)	1:C:145:ILE:HA	1:C:144:GLU:HB2	4	0.15
(2,766)	1:B:145:ILE:HA	1:B:144:GLU:HB2	4	0.15
(2,765)	1:A:145:ILE:HA	1:A:144:GLU:HB2	4	0.15
(2,728)	1:D:162:ALA:HB2	1:D:158:GLY:HA2	2	0.15
(2,728)	1:D:162:ALA:HB1	1:D:158:GLY:HA2	2	0.15
(2,728)	1:D:162:ALA:HB3	1:D:158:GLY:HA2	2	0.15
(2,725)	1:A:162:ALA:HB2	1:A:158:GLY:HA2	2	0.15
(2,725)	1:A:162:ALA:HB1	1:A:158:GLY:HA2	2	0.15
(2,725)	1:A:162:ALA:HB3	1:A:158:GLY:HA2	2	0.15
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	7	0.15
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	7	0.15
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	7	0.15
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	7	0.15
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	7	0.15
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	7	0.15
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	7	0.15
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	7	0.15
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	7	0.15
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	7	0.15
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	7	0.15
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	7	0.15
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	7	0.15
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	7	0.15
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	7	0.15
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	7	0.15
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	7	0.15
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	7	0.15
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	7	0.15
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	7	0.15
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	7	0.15
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	7	0.15
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	7	0.15
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	7	0.15
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	7	0.15
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	7	0.15
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	7	0.15
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	7	0.15
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	7	0.15
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	7	0.15
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	7	0.15
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	7	0.15
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	7	0.15
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	7	0.15
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	7	0.15
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	14	0.15
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	14	0.15
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	14	0.15
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	14	0.15
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	14	0.15
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	14	0.15
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	14	0.15
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	14	0.15
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	14	0.15
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	11	0.15
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	11	0.15
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	11	0.15
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	11	0.15
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	11	0.15
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	11	0.15
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	11	0.15
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	11	0.15
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	11	0.15
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	11	0.15
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	11	0.15
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	11	0.15
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	11	0.15
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	11	0.15
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	11	0.15
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	11	0.15
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	11	0.15
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	11	0.15
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	11	0.15
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	11	0.15
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	11	0.15
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	11	0.15
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	11	0.15
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	11	0.15
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	11	0.15
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	11	0.15
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	11	0.15
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	11	0.15
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	11	0.15
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	11	0.15
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	11	0.15
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	11	0.15
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	11	0.15
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	11	0.15
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	11	0.15
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	2	0.15
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	2	0.15
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	2	0.15
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	2	0.15
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	1	0.15
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	1	0.15
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	1	0.15
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	5	0.15
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	5	0.15
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	5	0.15
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	16	0.15
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	16	0.15
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	16	0.15
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	18	0.15
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	18	0.15
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	18	0.15
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	1	0.15
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	1	0.15
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	1	0.15
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	16	0.15
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	16	0.15
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	16	0.15
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	18	0.15
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	18	0.15
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	1	0.15
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	1	0.15
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	1	0.15
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	16	0.15
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	16	0.15
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	16	0.15
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	18	0.15
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	18	0.15
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	18	0.15
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	1	0.15
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	1	0.15
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	1	0.15
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	16	0.15
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	16	0.15
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	16	0.15
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	18	0.15
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	18	0.15
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	18	0.15
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	20	0.15
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	20	0.15
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	20	0.15
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	19	0.15
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	19	0.15
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	19	0.15
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	19	0.15
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	5	0.15
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	4	0.15
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	10	0.15
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	4	0.15
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	10	0.15
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	4	0.15
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	10	0.15
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	10	0.15
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	5	0.15
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	10	0.15
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	13	0.15
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	20	0.15
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	10	0.15
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	11	0.15
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	20	0.15
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	10	0.15
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	13	0.15
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	18	0.15
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	19	0.15
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	20	0.15
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	4	0.15
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	10	0.15
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	13	0.15
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	18	0.15
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	20	0.15
(2,488)	1:D:131:ILE:HG22	1:D:131:ILE:HG13	10	0.15
(2,488)	1:D:131:ILE:HG21	1:D:131:ILE:HG13	10	0.15
(2,488)	1:D:131:ILE:HG23	1:D:131:ILE:HG13	10	0.15
(2,487)	1:C:131:ILE:HG22	1:C:131:ILE:HG13	10	0.15
(2,487)	1:C:131:ILE:HG21	1:C:131:ILE:HG13	10	0.15
(2,487)	1:C:131:ILE:HG23	1:C:131:ILE:HG13	10	0.15
(2,486)	1:B:131:ILE:HG22	1:B:131:ILE:HG13	10	0.15
(2,486)	1:B:131:ILE:HG21	1:B:131:ILE:HG13	10	0.15
(2,486)	1:B:131:ILE:HG23	1:B:131:ILE:HG13	10	0.15
(2,485)	1:A:131:ILE:HG22	1:A:131:ILE:HG13	10	0.15
(2,485)	1:A:131:ILE:HG21	1:A:131:ILE:HG13	10	0.15
(2,485)	1:A:131:ILE:HG23	1:A:131:ILE:HG13	10	0.15
(2,454)	1:B:134:ARG:HA	1:B:134:ARG:HD2	1	0.15
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	1	0.15
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	1	0.15
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	1	0.15
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	10	0.15
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	10	0.15
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	10	0.15
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	2	0.15
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	1	0.15
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	1	0.15
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	1	0.15
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	1	0.15
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	1	0.15
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	1	0.15
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	10	0.15
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	10	0.15
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	10	0.15
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	1	0.15
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	1	0.15
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	1	0.15
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	2	0.15
(2,4)	1:D:163:ARG:HD2	1:D:163:ARG:HB2	14	0.15
(2,364)	1:D:140:GLU:HB3	1:D:137:ARG:HA	7	0.15
(2,363)	1:C:140:GLU:HB3	1:C:137:ARG:HA	7	0.15
(2,363)	1:C:140:GLU:HB3	1:C:137:ARG:HA	17	0.15
(2,362)	1:B:140:GLU:HB3	1:B:137:ARG:HA	7	0.15
(2,361)	1:A:140:GLU:HB3	1:A:137:ARG:HA	7	0.15
(2,361)	1:A:140:GLU:HB3	1:A:137:ARG:HA	17	0.15
(2,2472)	1:D:128:ASN:HD21	1:D:131:ILE:HG12	20	0.15
(2,2471)	1:C:128:ASN:HD21	1:C:131:ILE:HG12	20	0.15
(2,2470)	1:B:128:ASN:HD21	1:B:131:ILE:HG12	15	0.15
(2,2469)	1:A:128:ASN:HD21	1:A:131:ILE:HG12	20	0.15
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	19	0.15
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	13	0.15
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	19	0.15
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	10	0.15
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	1	0.15
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	1	0.15
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	1	0.15
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	1	0.15
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	1	0.15
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	1	0.15
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	1	0.15
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	1	0.15
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	1	0.15
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	14	0.15
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	14	0.15
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	14	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	5	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	5	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	5	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	12	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	12	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	12	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	19	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	19	0.15
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	19	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	8	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	8	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	10	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	10	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	10	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	12	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	12	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	12	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	19	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	19	0.15
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	19	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	10	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	10	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	10	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	12	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	12	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	12	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	19	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	19	0.15
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	19	0.15
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	12	0.15
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	12	0.15
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	12	0.15
(2,2259)	1:C:151:THR:H	1:C:149:LEU:H	5	0.15
(2,2258)	1:B:151:THR:H	1:B:149:LEU:H	5	0.15
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	14	0.15
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	14	0.15
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	9	0.15
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	13	0.15
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	4	0.15
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	5	0.15
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	9	0.15
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	10	0.15
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	13	0.15
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	5	0.15
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	9	0.15
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	10	0.15
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	5	0.15
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	9	0.15
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	13	0.15
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	6	0.15
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	18	0.15
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	6	0.15
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	6	0.15
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	18	0.15
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	6	0.15
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	9	0.15
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD22	7	0.15
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD21	7	0.15
(2,2096)	1:D:136:ASP:H	1:D:135:LEU:HD23	7	0.15
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD22	7	0.15
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD21	7	0.15
(2,2095)	1:C:136:ASP:H	1:C:135:LEU:HD23	7	0.15
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD22	7	0.15
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD21	7	0.15
(2,2094)	1:B:136:ASP:H	1:B:135:LEU:HD23	7	0.15
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD22	7	0.15
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD21	7	0.15
(2,2093)	1:A:136:ASP:H	1:A:135:LEU:HD23	7	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	10	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	10	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	10	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	14	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	14	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	14	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	16	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	16	0.15
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	16	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	4	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	4	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	4	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	6	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	6	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	6	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	10	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	10	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	10	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	11	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	11	0.15
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	11	0.15
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	10	0.15
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	10	0.15
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	10	0.15
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	11	0.15
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	11	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	10	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	10	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	10	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	11	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	11	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	11	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	14	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	14	0.15
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	14	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	1	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	1	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	1	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	8	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	8	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	8	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	13	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	13	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	13	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	14	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	14	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	14	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	15	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	15	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	15	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	17	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	17	0.15
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	17	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	1	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	1	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	1	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	8	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	8	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	8	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	13	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	13	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	13	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	14	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	14	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	14	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	15	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	15	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	17	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	17	0.15
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	17	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	1	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	1	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	1	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	8	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	8	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	8	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	13	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	13	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	13	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	15	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	15	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	15	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	17	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	17	0.15
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	17	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	1	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	1	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	1	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	8	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	8	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	8	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	13	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	13	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	13	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	14	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	14	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	14	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	15	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	15	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	15	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	17	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	17	0.15
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	17	0.15
(2,1968)	1:D:140:GLU:H	1:D:140:GLU:HB3	5	0.15
(2,1967)	1:C:140:GLU:H	1:C:140:GLU:HB3	5	0.15
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	5	0.15
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	8	0.15
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	13	0.15
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	15	0.15
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	8	0.15
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	9	0.15
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	13	0.15
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	9	0.15
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	11	0.15
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	13	0.15
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	20	0.15
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	10	0.15
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	13	0.15
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	20	0.15
(2,1783)	1:C:160:THR:H	1:C:159:PRO:HG2	3	0.15
(2,1782)	1:B:160:THR:H	1:B:159:PRO:HG2	3	0.15
(2,1781)	1:A:160:THR:H	1:A:159:PRO:HG2	3	0.15
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	2	0.15
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	4	0.15
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	6	0.15
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	12	0.15
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	16	0.15
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	17	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	2	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	4	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	6	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	12	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	16	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	17	0.15
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	20	0.15
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	4	0.15
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	6	0.15
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	13	0.15
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	16	0.15
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	17	0.15
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	2	0.15
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	4	0.15
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	6	0.15
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	12	0.15
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	16	0.15
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	5	0.15
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	5	0.15
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	5	0.15
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	5	0.15
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	5	0.15
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	7	0.15
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	7	0.15
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	7	0.15
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	5	0.15
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	5	0.15
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	5	0.15
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	5	0.15
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	5	0.15
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	5	0.15
(2,1600)	1:D:137:ARG:H	1:D:136:ASP:HB2	4	0.15
(2,1597)	1:A:137:ARG:H	1:A:136:ASP:HB2	4	0.15
(2,1584)	1:D:158:GLY:H	1:D:159:PRO:HD2	17	0.15
(2,1583)	1:C:158:GLY:H	1:C:159:PRO:HD2	17	0.15
(2,1582)	1:B:158:GLY:H	1:B:159:PRO:HD2	17	0.15
(2,1581)	1:A:158:GLY:H	1:A:159:PRO:HD2	17	0.15
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD22	17	0.15
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD21	17	0.15
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD23	17	0.15
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	4	0.15
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	4	0.15
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	4	0.15
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	4	0.15
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	4	0.15
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	4	0.15
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	4	0.15
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	4	0.15
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	4	0.15
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	4	0.15
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	4	0.15
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	4	0.15
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG21	10	0.15
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG22	10	0.15
(2,1361)	1:A:131:ILE:HG13	1:B:132:THR:HG23	10	0.15
(2,1359)	1:C:132:THR:HG21	1:B:134:ARG:HD2	4	0.15
(2,1359)	1:C:132:THR:HG22	1:B:134:ARG:HD2	4	0.15
(2,1359)	1:C:132:THR:HG23	1:B:134:ARG:HD2	4	0.15
(2,1358)	1:B:132:THR:HG21	1:A:134:ARG:HD2	4	0.15
(2,1358)	1:B:132:THR:HG22	1:A:134:ARG:HD2	4	0.15
(2,1358)	1:B:132:THR:HG23	1:A:134:ARG:HD2	4	0.15
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD12	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD11	13	0.15
(2,1345)	1:A:141:LYS:HE2	1:B:146:LEU:HD13	13	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	6	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	6	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	6	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	6	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	6	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	6	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	7	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	7	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	7	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	7	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	7	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	7	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	14	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	14	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	14	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	14	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	14	0.15
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	14	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	10	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	10	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	10	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	10	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	10	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	10	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	16	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	16	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	16	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	16	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	16	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	16	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	18	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	18	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	18	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	18	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	18	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	18	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	19	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	19	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	19	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	19	0.15
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	19	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	6	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	6	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	6	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	6	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	6	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	6	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	9	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	9	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	9	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	9	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	9	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	9	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	18	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	18	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	18	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	18	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	18	0.15
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	18	0.15
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	1	0.15
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	1	0.15
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	1	0.15
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	1	0.15
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	1	0.15
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	1	0.15
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	1	0.15
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	1	0.15
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	1	0.15
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	4	0.15
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	4	0.15
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	4	0.15
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	4	0.15
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	4	0.15
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	4	0.15
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	4	0.15
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	4	0.15
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	4	0.15
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	10	0.15
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	10	0.15
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	10	0.15
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	10	0.15
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	10	0.15
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	10	0.15
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	10	0.15
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	10	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	4	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	4	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	4	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	4	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	4	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	4	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	4	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	4	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	4	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	10	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	10	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	10	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	10	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	10	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	10	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	10	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	10	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	10	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	16	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	16	0.15
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	16	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	16	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	16	0.15
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	16	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	16	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	16	0.15
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	16	0.15
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	4	0.15
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	4	0.15
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	4	0.15
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	4	0.15
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	4	0.15
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	4	0.15
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	4	0.15
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	4	0.15
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	4	0.15
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	10	0.15
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	10	0.15
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	10	0.15
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	10	0.15
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	10	0.15
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	10	0.15
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	10	0.15
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	10	0.15
(2,1241)	1:A:137:ARG:HG2	1:A:141:LYS:HE3	7	0.15
(2,1212)	1:D:145:ILE:HD12	1:D:142:LEU:HB2	4	0.15
(2,1212)	1:D:145:ILE:HD11	1:D:142:LEU:HB2	4	0.15
(2,1212)	1:D:145:ILE:HD13	1:D:142:LEU:HB2	4	0.15
(2,1211)	1:C:145:ILE:HD12	1:C:142:LEU:HB2	4	0.15
(2,1211)	1:C:145:ILE:HD11	1:C:142:LEU:HB2	4	0.15
(2,1211)	1:C:145:ILE:HD13	1:C:142:LEU:HB2	4	0.15
(2,1210)	1:B:145:ILE:HD12	1:B:142:LEU:HB2	4	0.15
(2,1210)	1:B:145:ILE:HD11	1:B:142:LEU:HB2	4	0.15
(2,1210)	1:B:145:ILE:HD13	1:B:142:LEU:HB2	4	0.15
(2,1209)	1:A:145:ILE:HD12	1:A:142:LEU:HB2	4	0.15
(2,1209)	1:A:145:ILE:HD11	1:A:142:LEU:HB2	4	0.15
(2,1209)	1:A:145:ILE:HD13	1:A:142:LEU:HB2	4	0.15
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG12	12	0.15
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG11	12	0.15
(2,1163)	1:C:157:ALA:HB2	1:C:153:VAL:HG13	12	0.15
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG12	12	0.15
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG11	12	0.15
(2,1163)	1:C:157:ALA:HB1	1:C:153:VAL:HG13	12	0.15
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG12	12	0.15
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG11	12	0.15
(2,1163)	1:C:157:ALA:HB3	1:C:153:VAL:HG13	12	0.15
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG12	12	0.15
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG11	12	0.15
(2,1161)	1:A:157:ALA:HB2	1:A:153:VAL:HG13	12	0.15
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG12	12	0.15
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG11	12	0.15
(2,1161)	1:A:157:ALA:HB1	1:A:153:VAL:HG13	12	0.15
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG12	12	0.15
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG11	12	0.15
(2,1161)	1:A:157:ALA:HB3	1:A:153:VAL:HG13	12	0.15
(2,1144)	1:D:126:SER:HA	1:D:127:THR:HG21	19	0.15
(2,1144)	1:D:126:SER:HA	1:D:127:THR:HG22	19	0.15
(2,1144)	1:D:126:SER:HA	1:D:127:THR:HG23	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1143)	1:C:126:SER:HA	1:C:127:THR:HG21	19	0.15
(2,1143)	1:C:126:SER:HA	1:C:127:THR:HG22	19	0.15
(2,1143)	1:C:126:SER:HA	1:C:127:THR:HG23	19	0.15
(2,1142)	1:B:126:SER:HA	1:B:127:THR:HG21	19	0.15
(2,1142)	1:B:126:SER:HA	1:B:127:THR:HG22	19	0.15
(2,1142)	1:B:126:SER:HA	1:B:127:THR:HG23	19	0.15
(2,1141)	1:A:126:SER:HA	1:A:127:THR:HG21	19	0.15
(2,1141)	1:A:126:SER:HA	1:A:127:THR:HG22	19	0.15
(2,1141)	1:A:126:SER:HA	1:A:127:THR:HG23	19	0.15
(2,1067)	1:C:133:ALA:HB2	1:C:134:ARG:HD2	4	0.15
(2,1067)	1:C:133:ALA:HB1	1:C:134:ARG:HD2	4	0.15
(2,1067)	1:C:133:ALA:HB3	1:C:134:ARG:HD2	4	0.15
(2,1066)	1:B:133:ALA:HB2	1:B:134:ARG:HD2	4	0.15
(2,1066)	1:B:133:ALA:HB1	1:B:134:ARG:HD2	4	0.15
(2,1066)	1:B:133:ALA:HB3	1:B:134:ARG:HD2	4	0.15
(2,1065)	1:A:133:ALA:HB2	1:A:134:ARG:HD2	4	0.15
(2,1065)	1:A:133:ALA:HB1	1:A:134:ARG:HD2	4	0.15
(2,1065)	1:A:133:ALA:HB3	1:A:134:ARG:HD2	4	0.15
(2,1020)	1:D:129:ASP:HA	1:D:133:ALA:HB2	1	0.15
(2,1020)	1:D:129:ASP:HA	1:D:133:ALA:HB1	1	0.15
(2,1020)	1:D:129:ASP:HA	1:D:133:ALA:HB3	1	0.15
(2,1019)	1:C:129:ASP:HA	1:C:133:ALA:HB2	1	0.15
(2,1019)	1:C:129:ASP:HA	1:C:133:ALA:HB1	1	0.15
(2,1019)	1:C:129:ASP:HA	1:C:133:ALA:HB3	1	0.15
(2,1018)	1:B:129:ASP:HA	1:B:133:ALA:HB2	1	0.15
(2,1018)	1:B:129:ASP:HA	1:B:133:ALA:HB1	1	0.15
(2,1018)	1:B:129:ASP:HA	1:B:133:ALA:HB3	1	0.15
(2,1017)	1:A:129:ASP:HA	1:A:133:ALA:HB2	1	0.15
(2,1017)	1:A:129:ASP:HA	1:A:133:ALA:HB1	1	0.15
(2,1017)	1:A:129:ASP:HA	1:A:133:ALA:HB3	1	0.15
(1,8)	1:D:160:THR:HG21	1:C:159:PRO:HB2	11	0.15
(1,8)	1:D:160:THR:HG22	1:C:159:PRO:HB2	11	0.15
(1,8)	1:D:160:THR:HG23	1:C:159:PRO:HB2	11	0.15
(1,8)	1:D:160:THR:HG21	1:A:159:PRO:HB2	11	0.15
(1,8)	1:D:160:THR:HG22	1:A:159:PRO:HB2	11	0.15
(1,8)	1:D:160:THR:HG23	1:A:159:PRO:HB2	11	0.15
(1,664)	1:D:142:LEU:HD22	1:A:141:LYS:HB3	4	0.15
(1,664)	1:D:142:LEU:HD21	1:A:141:LYS:HB3	4	0.15
(1,664)	1:D:142:LEU:HD23	1:A:141:LYS:HB3	4	0.15
(1,664)	1:D:142:LEU:HD22	1:C:141:LYS:HB3	4	0.15
(1,664)	1:D:142:LEU:HD21	1:C:141:LYS:HB3	4	0.15
(1,664)	1:D:142:LEU:HD23	1:C:141:LYS:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	10	0.15
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	10	0.15
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	10	0.15
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	10	0.15
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	10	0.15
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	10	0.15
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	15	0.15
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	15	0.15
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	15	0.15
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	15	0.15
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	15	0.15
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	15	0.15
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	15	0.15
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	15	0.15
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	15	0.15
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	15	0.15
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	15	0.15
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	15	0.15
(1,640)	1:D:131:ILE:HD12	1:C:128:ASN:HA	1	0.15
(1,640)	1:D:131:ILE:HD11	1:C:128:ASN:HA	1	0.15
(1,640)	1:D:131:ILE:HD13	1:C:128:ASN:HA	1	0.15
(1,640)	1:D:131:ILE:HD12	1:A:128:ASN:HA	1	0.15
(1,640)	1:D:131:ILE:HD11	1:A:128:ASN:HA	1	0.15
(1,640)	1:D:131:ILE:HD13	1:A:128:ASN:HA	1	0.15
(1,639)	1:C:131:ILE:HD12	1:B:128:ASN:HA	1	0.15
(1,639)	1:C:131:ILE:HD11	1:B:128:ASN:HA	1	0.15
(1,639)	1:C:131:ILE:HD13	1:B:128:ASN:HA	1	0.15
(1,639)	1:C:131:ILE:HD12	1:D:128:ASN:HA	1	0.15
(1,639)	1:C:131:ILE:HD11	1:D:128:ASN:HA	1	0.15
(1,639)	1:C:131:ILE:HD13	1:D:128:ASN:HA	1	0.15
(1,638)	1:B:131:ILE:HD12	1:A:128:ASN:HA	1	0.15
(1,638)	1:B:131:ILE:HD11	1:A:128:ASN:HA	1	0.15
(1,638)	1:B:131:ILE:HD13	1:A:128:ASN:HA	1	0.15
(1,638)	1:B:131:ILE:HD12	1:C:128:ASN:HA	1	0.15
(1,638)	1:B:131:ILE:HD11	1:C:128:ASN:HA	1	0.15
(1,638)	1:B:131:ILE:HD13	1:C:128:ASN:HA	1	0.15
(1,637)	1:A:131:ILE:HD12	1:D:128:ASN:HA	1	0.15
(1,637)	1:A:131:ILE:HD11	1:D:128:ASN:HA	1	0.15
(1,637)	1:A:131:ILE:HD13	1:D:128:ASN:HA	1	0.15
(1,637)	1:A:131:ILE:HD12	1:B:128:ASN:HA	1	0.15
(1,637)	1:A:131:ILE:HD11	1:B:128:ASN:HA	1	0.15
(1,637)	1:A:131:ILE:HD13	1:B:128:ASN:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	8	0.15
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	8	0.15
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	8	0.15
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	8	0.15
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	8	0.15
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	8	0.15
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	20	0.15
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	20	0.15
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	20	0.15
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	20	0.15
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	20	0.15
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	20	0.15
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	20	0.15
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	20	0.15
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	20	0.15
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	20	0.15
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	20	0.15
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	20	0.15
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	16	0.15
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	16	0.15
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	16	0.15
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	16	0.15
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	16	0.15
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	16	0.15
(1,5)	1:A:160:THR:HG21	1:D:159:PRO:HB2	11	0.15
(1,5)	1:A:160:THR:HG22	1:D:159:PRO:HB2	11	0.15
(1,5)	1:A:160:THR:HG23	1:D:159:PRO:HB2	11	0.15
(1,5)	1:A:160:THR:HG21	1:B:159:PRO:HB2	11	0.15
(1,5)	1:A:160:THR:HG22	1:B:159:PRO:HB2	11	0.15
(1,5)	1:A:160:THR:HG23	1:B:159:PRO:HB2	11	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	2	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	2	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	2	0.15
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	2	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	2	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	2	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	16	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	16	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	16	0.15
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	16	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	16	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	16	0.15
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	16	0.15
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG12	14	0.15
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG11	14	0.15
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG13	14	0.15
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG12	14	0.15
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG11	14	0.15
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG13	14	0.15
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	16	0.15
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	16	0.15
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	16	0.15
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	16	0.15
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	16	0.15
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	16	0.15
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	2	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	2	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	2	0.15
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	2	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	2	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	2	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	16	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	16	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	16	0.15
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	16	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	16	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	16	0.15
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	16	0.15
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	2	0.15
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	2	0.15
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	2	0.15
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	2	0.15
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	2	0.15
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	2	0.15
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	2	0.15
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG12	14	0.15
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG11	14	0.15
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG13	14	0.15
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG12	14	0.15
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG11	14	0.15
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG13	14	0.15
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG12	14	0.15
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG11	14	0.15
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG13	14	0.15
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG12	14	0.15
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG11	14	0.15
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG13	14	0.15
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	18	0.15
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	18	0.15
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	18	0.15
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	18	0.15
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	18	0.15
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	18	0.15
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	14	0.15
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	14	0.15
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG22	19	0.15
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG21	19	0.15
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG23	19	0.15
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG22	19	0.15
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG21	19	0.15
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG23	19	0.15
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG22	19	0.15
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG21	19	0.15
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG23	19	0.15
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG22	19	0.15
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG21	19	0.15
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG23	19	0.15
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG22	19	0.15
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG21	19	0.15
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG23	19	0.15
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG22	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG21	19	0.15
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG23	19	0.15
(1,16)	1:D:160:THR:HG21	1:A:160:THR:HB	20	0.15
(1,16)	1:D:160:THR:HG22	1:A:160:THR:HB	20	0.15
(1,16)	1:D:160:THR:HG23	1:A:160:THR:HB	20	0.15
(1,16)	1:D:160:THR:HG21	1:C:160:THR:HB	20	0.15
(1,16)	1:D:160:THR:HG22	1:C:160:THR:HB	20	0.15
(1,16)	1:D:160:THR:HG23	1:C:160:THR:HB	20	0.15
(1,14)	1:B:160:THR:HG21	1:C:160:THR:HB	17	0.15
(1,14)	1:B:160:THR:HG22	1:C:160:THR:HB	17	0.15
(1,14)	1:B:160:THR:HG23	1:C:160:THR:HB	17	0.15
(1,14)	1:B:160:THR:HG21	1:A:160:THR:HB	17	0.15
(1,14)	1:B:160:THR:HG22	1:A:160:THR:HB	17	0.15
(1,14)	1:B:160:THR:HG23	1:A:160:THR:HB	17	0.15
(1,14)	1:B:160:THR:HG21	1:C:160:THR:HB	20	0.15
(1,14)	1:B:160:THR:HG22	1:C:160:THR:HB	20	0.15
(1,14)	1:B:160:THR:HG23	1:C:160:THR:HB	20	0.15
(1,14)	1:B:160:THR:HG21	1:A:160:THR:HB	20	0.15
(1,14)	1:B:160:THR:HG22	1:A:160:THR:HB	20	0.15
(1,14)	1:B:160:THR:HG23	1:A:160:THR:HB	20	0.15
(1,13)	1:A:160:THR:HG21	1:B:160:THR:HB	17	0.15
(1,13)	1:A:160:THR:HG22	1:B:160:THR:HB	17	0.15
(1,13)	1:A:160:THR:HG23	1:B:160:THR:HB	17	0.15
(1,13)	1:A:160:THR:HG21	1:D:160:THR:HB	17	0.15
(1,13)	1:A:160:THR:HG22	1:D:160:THR:HB	17	0.15
(1,13)	1:A:160:THR:HG23	1:D:160:THR:HB	17	0.15
(1,13)	1:A:160:THR:HG21	1:B:160:THR:HB	20	0.15
(1,13)	1:A:160:THR:HG22	1:B:160:THR:HB	20	0.15
(1,13)	1:A:160:THR:HG23	1:B:160:THR:HB	20	0.15
(1,13)	1:A:160:THR:HG21	1:D:160:THR:HB	20	0.15
(1,13)	1:A:160:THR:HG22	1:D:160:THR:HB	20	0.15
(1,13)	1:A:160:THR:HG23	1:D:160:THR:HB	20	0.15
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	8	0.14
(2,976)	1:D:137:ARG:HA	1:D:137:ARG:HD2	11	0.14
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	14	0.14
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	11	0.14
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	1	0.14
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	2	0.14
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	3	0.14
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	6	0.14
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	9	0.14
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	20	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	1	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	2	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	3	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	6	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	9	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	19	0.14
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	20	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	1	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	2	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	3	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	6	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	9	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	19	0.14
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	20	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	1	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	2	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	3	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	6	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	9	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	19	0.14
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	20	0.14
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	19	0.14
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	19	0.14
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	19	0.14
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	19	0.14
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	19	0.14
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	19	0.14
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	19	0.14
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	19	0.14
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	19	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	7	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	7	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	7	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	7	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	7	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	7	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	7	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	7	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	7	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	17	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	17	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	17	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	17	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	17	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	17	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	17	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	17	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	18	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	18	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	18	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	18	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	18	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	18	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	18	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	18	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	18	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	19	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	19	0.14
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	19	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	19	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	19	0.14
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	19	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	19	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	19	0.14
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	19	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	7	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	7	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	7	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	7	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	7	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	7	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	7	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	7	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	7	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	17	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	17	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	17	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	17	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	17	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	17	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	17	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	17	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	18	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	18	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	18	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	18	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	18	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	18	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	18	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	18	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	18	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	19	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	19	0.14
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	19	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	19	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	19	0.14
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	19	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	19	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	19	0.14
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	19	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	7	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	7	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	7	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	7	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	7	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	7	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	7	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	7	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	7	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	17	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	17	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	17	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	17	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	17	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	17	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	17	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	17	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	17	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	18	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	18	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	18	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	18	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	18	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	18	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	18	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	18	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	19	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	19	0.14
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	19	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	19	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	19	0.14
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	19	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	19	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	19	0.14
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	19	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	7	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	7	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	7	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	7	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	7	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	7	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	7	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	7	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	7	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	17	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	17	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	17	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	17	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	17	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	17	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	17	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	17	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	17	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	18	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	18	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	18	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	18	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	18	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	18	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	18	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	18	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	18	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	19	0.14
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	19	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	19	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	19	0.14
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	19	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	19	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	19	0.14
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	19	0.14
(2,801)	1:A:137:ARG:HD3	1:A:141:LYS:HE3	10	0.14
(2,772)	1:D:145:ILE:HA	1:D:148:MET:HE2	12	0.14
(2,772)	1:D:145:ILE:HA	1:D:148:MET:HE1	12	0.14
(2,772)	1:D:145:ILE:HA	1:D:148:MET:HE3	12	0.14
(2,771)	1:C:145:ILE:HA	1:C:148:MET:HE2	12	0.14
(2,771)	1:C:145:ILE:HA	1:C:148:MET:HE1	12	0.14
(2,771)	1:C:145:ILE:HA	1:C:148:MET:HE3	12	0.14
(2,770)	1:B:145:ILE:HA	1:B:148:MET:HE2	12	0.14
(2,770)	1:B:145:ILE:HA	1:B:148:MET:HE1	12	0.14
(2,770)	1:B:145:ILE:HA	1:B:148:MET:HE3	12	0.14
(2,769)	1:A:145:ILE:HA	1:A:148:MET:HE2	12	0.14
(2,769)	1:A:145:ILE:HA	1:A:148:MET:HE1	12	0.14
(2,769)	1:A:145:ILE:HA	1:A:148:MET:HE3	12	0.14
(2,76)	1:D:158:GLY:HA3	1:D:159:PRO:HD2	3	0.14
(2,727)	1:C:162:ALA:HB2	1:C:158:GLY:HA2	2	0.14
(2,727)	1:C:162:ALA:HB1	1:C:158:GLY:HA2	2	0.14
(2,727)	1:C:162:ALA:HB3	1:C:158:GLY:HA2	2	0.14
(2,726)	1:B:162:ALA:HB2	1:B:158:GLY:HA2	2	0.14
(2,726)	1:B:162:ALA:HB1	1:B:158:GLY:HA2	2	0.14
(2,726)	1:B:162:ALA:HB3	1:B:158:GLY:HA2	2	0.14
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	14	0.14
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	14	0.14
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	14	0.14
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	14	0.14
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	14	0.14
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	14	0.14
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	14	0.14
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	14	0.14
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	14	0.14
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	14	0.14
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	14	0.14
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	14	0.14
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	14	0.14
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	14	0.14
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	14	0.14
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	14	0.14
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	14	0.14
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	14	0.14
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	14	0.14
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	14	0.14
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	14	0.14
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	14	0.14
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	14	0.14
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	14	0.14
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	14	0.14
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	14	0.14
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	2	0.14
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	2	0.14
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	2	0.14
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	3	0.14
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	3	0.14
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	3	0.14
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	19	0.14
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	19	0.14
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	19	0.14
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	2	0.14
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	2	0.14
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	2	0.14
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	3	0.14
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	3	0.14
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	3	0.14
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	19	0.14
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	19	0.14
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	19	0.14
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	2	0.14
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	2	0.14
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	2	0.14
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	3	0.14
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	3	0.14
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	3	0.14
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	19	0.14
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	19	0.14
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	19	0.14
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	2	0.14
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	2	0.14
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	3	0.14
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	3	0.14
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	3	0.14
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	19	0.14
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	19	0.14
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	19	0.14
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	6	0.14
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	6	0.14
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	6	0.14
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	19	0.14
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	19	0.14
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	19	0.14
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	6	0.14
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	6	0.14
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	6	0.14
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	19	0.14
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	19	0.14
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	19	0.14
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	3	0.14
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	3	0.14
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	3	0.14
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	6	0.14
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	6	0.14
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	6	0.14
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	19	0.14
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	19	0.14
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	19	0.14
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	3	0.14
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	3	0.14
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	3	0.14
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	6	0.14
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	6	0.14
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	6	0.14
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	19	0.14
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	19	0.14
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	19	0.14
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB2	3	0.14
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB1	3	0.14
(2,552)	1:D:130:ASN:HB2	1:D:133:ALA:HB3	3	0.14
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB2	3	0.14
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB1	3	0.14
(2,551)	1:C:130:ASN:HB2	1:C:133:ALA:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB2	3	0.14
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB1	3	0.14
(2,550)	1:B:130:ASN:HB2	1:B:133:ALA:HB3	3	0.14
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB2	3	0.14
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB1	3	0.14
(2,549)	1:A:130:ASN:HB2	1:A:133:ALA:HB3	3	0.14
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	19	0.14
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	19	0.14
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	4	0.14
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	1	0.14
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	2	0.14
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	4	0.14
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	18	0.14
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	19	0.14
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	1	0.14
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	2	0.14
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	4	0.14
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	18	0.14
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	19	0.14
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	1	0.14
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	4	0.14
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	1	0.14
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	19	0.14
(2,488)	1:D:131:ILE:HG22	1:D:131:ILE:HG13	8	0.14
(2,488)	1:D:131:ILE:HG21	1:D:131:ILE:HG13	8	0.14
(2,488)	1:D:131:ILE:HG23	1:D:131:ILE:HG13	8	0.14
(2,488)	1:D:131:ILE:HG22	1:D:131:ILE:HG13	13	0.14
(2,488)	1:D:131:ILE:HG21	1:D:131:ILE:HG13	13	0.14
(2,488)	1:D:131:ILE:HG23	1:D:131:ILE:HG13	13	0.14
(2,487)	1:C:131:ILE:HG22	1:C:131:ILE:HG13	8	0.14
(2,487)	1:C:131:ILE:HG21	1:C:131:ILE:HG13	8	0.14
(2,487)	1:C:131:ILE:HG23	1:C:131:ILE:HG13	8	0.14
(2,487)	1:C:131:ILE:HG22	1:C:131:ILE:HG13	13	0.14
(2,487)	1:C:131:ILE:HG21	1:C:131:ILE:HG13	13	0.14
(2,487)	1:C:131:ILE:HG23	1:C:131:ILE:HG13	13	0.14
(2,486)	1:B:131:ILE:HG22	1:B:131:ILE:HG13	8	0.14
(2,486)	1:B:131:ILE:HG21	1:B:131:ILE:HG13	8	0.14
(2,486)	1:B:131:ILE:HG23	1:B:131:ILE:HG13	8	0.14
(2,486)	1:B:131:ILE:HG22	1:B:131:ILE:HG13	13	0.14
(2,486)	1:B:131:ILE:HG21	1:B:131:ILE:HG13	13	0.14
(2,486)	1:B:131:ILE:HG23	1:B:131:ILE:HG13	13	0.14
(2,485)	1:A:131:ILE:HG22	1:A:131:ILE:HG13	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,485)	1:A:131:ILE:HG21	1:A:131:ILE:HG13	8	0.14
(2,485)	1:A:131:ILE:HG23	1:A:131:ILE:HG13	8	0.14
(2,485)	1:A:131:ILE:HG22	1:A:131:ILE:HG13	13	0.14
(2,485)	1:A:131:ILE:HG21	1:A:131:ILE:HG13	13	0.14
(2,485)	1:A:131:ILE:HG23	1:A:131:ILE:HG13	13	0.14
(2,453)	1:A:134:ARG:HA	1:A:134:ARG:HD2	1	0.14
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	1	0.14
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	1	0.14
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	1	0.14
(2,364)	1:D:140:GLU:HB3	1:D:137:ARG:HA	8	0.14
(2,363)	1:C:140:GLU:HB3	1:C:137:ARG:HA	8	0.14
(2,362)	1:B:140:GLU:HB3	1:B:137:ARG:HA	8	0.14
(2,361)	1:A:140:GLU:HB3	1:A:137:ARG:HA	8	0.14
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	12	0.14
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	12	0.14
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	12	0.14
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	17	0.14
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	17	0.14
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	17	0.14
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	12	0.14
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	12	0.14
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	12	0.14
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	17	0.14
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	17	0.14
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	17	0.14
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	12	0.14
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	12	0.14
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	12	0.14
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	17	0.14
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	17	0.14
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	17	0.14
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	12	0.14
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	12	0.14
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	12	0.14
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	17	0.14
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	17	0.14
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	17	0.14
(2,3)	1:C:163:ARG:HD2	1:C:163:ARG:HB2	14	0.14
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	7	0.14
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	7	0.14
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	19	0.14
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	7	0.14
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	19	0.14
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	19	0.14
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	19	0.14
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	5	0.14
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	5	0.14
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	5	0.14
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	14	0.14
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	14	0.14
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	14	0.14
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	5	0.14
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	5	0.14
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	5	0.14
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	14	0.14
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	14	0.14
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	14	0.14
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	9	0.14
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	9	0.14
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	9	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	5	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	5	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	5	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	14	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	14	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	14	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	17	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	17	0.14
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	17	0.14
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	4	0.14
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	4	0.14
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	4	0.14
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	18	0.14
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	18	0.14
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	18	0.14
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	4	0.14
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	4	0.14
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	4	0.14
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	18	0.14
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	18	0.14
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	18	0.14
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	4	0.14
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	4	0.14
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	18	0.14
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	18	0.14
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	18	0.14
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	4	0.14
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	4	0.14
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	4	0.14
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	18	0.14
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	18	0.14
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	18	0.14
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	5	0.14
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	14	0.14
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	14	0.14
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	13	0.14
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	14	0.14
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	14	0.14
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	3	0.14
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	11	0.14
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	3	0.14
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	11	0.14
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	3	0.14
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	11	0.14
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	3	0.14
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	11	0.14
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	11	0.14
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	11	0.14
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	11	0.14
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	13	0.14
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	13	0.14
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	13	0.14
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	13	0.14
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	13	0.14
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	13	0.14
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	9	0.14
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	9	0.14
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	9	0.14
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	13	0.14
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	13	0.14
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	13	0.14
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	13	0.14
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	13	0.14
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	10	0.14
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	10	0.14
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	10	0.14
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	14	0.14
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	14	0.14
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	14	0.14
(2,2)	1:B:163:ARG:HD2	1:B:163:ARG:HB2	14	0.14
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	12	0.14
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	12	0.14
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	12	0.14
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	12	0.14
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	12	0.14
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	12	0.14
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	12	0.14
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	12	0.14
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	12	0.14
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	1	0.14
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	10	0.14
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	18	0.14
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	19	0.14
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	1	0.14
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	10	0.14
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	15	0.14
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	18	0.14
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	19	0.14
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	1	0.14
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	10	0.14
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	15	0.14
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	18	0.14
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	19	0.14
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	1	0.14
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	19	0.14
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	1	0.14
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	5	0.14
(2,1748)	1:D:141:LYS:H	1:D:141:LYS:HB3	13	0.14
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	1	0.14
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	5	0.14
(2,1747)	1:C:141:LYS:H	1:C:141:LYS:HB3	13	0.14
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	1	0.14
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	2	0.14
(2,1746)	1:B:141:LYS:H	1:B:141:LYS:HB3	5	0.14
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	5	0.14
(2,1745)	1:A:141:LYS:H	1:A:141:LYS:HB3	13	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	7	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	7	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	7	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	9	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	9	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	9	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG21	15	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG22	15	0.14
(2,1720)	1:D:151:THR:H	1:D:151:THR:HG23	15	0.14
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	9	0.14
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	9	0.14
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	9	0.14
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG21	15	0.14
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG22	15	0.14
(2,1719)	1:C:151:THR:H	1:C:151:THR:HG23	15	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	7	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	7	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	7	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	9	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	9	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	9	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG21	15	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG22	15	0.14
(2,1718)	1:B:151:THR:H	1:B:151:THR:HG23	15	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	7	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	7	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	7	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	9	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	9	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	9	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG21	15	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG22	15	0.14
(2,1717)	1:A:151:THR:H	1:A:151:THR:HG23	15	0.14
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD22	17	0.14
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD21	17	0.14
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD23	17	0.14
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD22	17	0.14
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD21	17	0.14
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD23	17	0.14
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD22	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD21	17	0.14
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD23	17	0.14
(2,1360)	1:D:132:THR:HG21	1:C:134:ARG:HD2	4	0.14
(2,1360)	1:D:132:THR:HG22	1:C:134:ARG:HD2	4	0.14
(2,1360)	1:D:132:THR:HG23	1:C:134:ARG:HD2	4	0.14
(2,1357)	1:A:132:THR:HG21	1:D:134:ARG:HD2	4	0.14
(2,1357)	1:A:132:THR:HG22	1:D:134:ARG:HD2	4	0.14
(2,1357)	1:A:132:THR:HG23	1:D:134:ARG:HD2	4	0.14
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD12	18	0.14
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD11	18	0.14
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD13	18	0.14
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD22	18	0.14
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD21	18	0.14
(2,1340)	1:D:144:GLU:HG2	1:A:146:LEU:HD23	18	0.14
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	6	0.14
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	6	0.14
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	6	0.14
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	6	0.14
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	6	0.14
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	6	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	14	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	14	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	14	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	14	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	14	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	14	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	16	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	16	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	16	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	16	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	16	0.14
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	16	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	8	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	8	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	8	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	8	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	8	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	8	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	10	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	10	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	10	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	10	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	10	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	14	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	14	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	14	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	14	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	14	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	14	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD12	16	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD11	16	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD13	16	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD22	16	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD21	16	0.14
(2,1337)	1:A:144:GLU:HG2	1:B:146:LEU:HD23	16	0.14
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	16	0.14
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	16	0.14
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	16	0.14
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	16	0.14
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	16	0.14
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	16	0.14
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	16	0.14
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	16	0.14
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	16	0.14
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	8	0.14
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	8	0.14
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	8	0.14
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	8	0.14
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	8	0.14
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	8	0.14
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	8	0.14
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	8	0.14
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	8	0.14
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	18	0.14
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	18	0.14
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	18	0.14
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	18	0.14
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	18	0.14
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	18	0.14
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	18	0.14
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	18	0.14
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	18	0.14
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	11	0.14
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	11	0.14
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	11	0.14
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	11	0.14
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	11	0.14
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	11	0.14
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	11	0.14
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	11	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	8	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	8	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	8	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	8	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	8	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	8	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	8	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	8	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	8	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	11	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	11	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	11	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	11	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	11	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	11	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	11	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	11	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	11	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	16	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	16	0.14
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	16	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	16	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	16	0.14
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	16	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	16	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	16	0.14
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	16	0.14
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG22	13	0.14
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG21	13	0.14
(2,1251)	1:C:135:LEU:HG	1:C:131:ILE:HG23	13	0.14
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG22	13	0.14
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG21	13	0.14
(2,1250)	1:B:135:LEU:HG	1:B:131:ILE:HG23	13	0.14
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG22	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG21	13	0.14
(2,1249)	1:A:135:LEU:HG	1:A:131:ILE:HG23	13	0.14
(2,1244)	1:D:137:ARG:HG2	1:D:141:LYS:HE3	7	0.14
(2,1243)	1:C:137:ARG:HG2	1:C:141:LYS:HE3	7	0.14
(2,1242)	1:B:137:ARG:HG2	1:B:141:LYS:HE3	7	0.14
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG12	12	0.14
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG11	12	0.14
(2,1164)	1:D:157:ALA:HB2	1:D:153:VAL:HG13	12	0.14
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG12	12	0.14
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG11	12	0.14
(2,1164)	1:D:157:ALA:HB1	1:D:153:VAL:HG13	12	0.14
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG12	12	0.14
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG11	12	0.14
(2,1164)	1:D:157:ALA:HB3	1:D:153:VAL:HG13	12	0.14
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG12	12	0.14
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG11	12	0.14
(2,1162)	1:B:157:ALA:HB2	1:B:153:VAL:HG13	12	0.14
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG12	12	0.14
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG11	12	0.14
(2,1162)	1:B:157:ALA:HB1	1:B:153:VAL:HG13	12	0.14
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG12	12	0.14
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG11	12	0.14
(2,1162)	1:B:157:ALA:HB3	1:B:153:VAL:HG13	12	0.14
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD12	5	0.14
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD11	5	0.14
(2,1088)	1:D:148:MET:HB2	1:D:149:LEU:HD13	5	0.14
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD12	5	0.14
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD11	5	0.14
(2,1087)	1:C:148:MET:HB2	1:C:149:LEU:HD13	5	0.14
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD12	5	0.14
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD11	5	0.14
(2,1086)	1:B:148:MET:HB2	1:B:149:LEU:HD13	5	0.14
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD12	5	0.14
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD11	5	0.14
(2,1085)	1:A:148:MET:HB2	1:A:149:LEU:HD13	5	0.14
(2,1068)	1:D:133:ALA:HB2	1:D:134:ARG:HD2	4	0.14
(2,1068)	1:D:133:ALA:HB1	1:D:134:ARG:HD2	4	0.14
(2,1068)	1:D:133:ALA:HB3	1:D:134:ARG:HD2	4	0.14
(2,1068)	1:D:133:ALA:HB2	1:D:134:ARG:HD2	13	0.14
(2,1068)	1:D:133:ALA:HB1	1:D:134:ARG:HD2	13	0.14
(2,1068)	1:D:133:ALA:HB3	1:D:134:ARG:HD2	13	0.14
(2,1067)	1:C:133:ALA:HB2	1:C:134:ARG:HD2	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:C:133:ALA:HB1	1:C:134:ARG:HD2	13	0.14
(2,1067)	1:C:133:ALA:HB3	1:C:134:ARG:HD2	13	0.14
(2,1066)	1:B:133:ALA:HB2	1:B:134:ARG:HD2	13	0.14
(2,1066)	1:B:133:ALA:HB1	1:B:134:ARG:HD2	13	0.14
(2,1066)	1:B:133:ALA:HB3	1:B:134:ARG:HD2	13	0.14
(2,1065)	1:A:133:ALA:HB2	1:A:134:ARG:HD2	13	0.14
(2,1065)	1:A:133:ALA:HB1	1:A:134:ARG:HD2	13	0.14
(2,1065)	1:A:133:ALA:HB3	1:A:134:ARG:HD2	13	0.14
(2,1061)	1:A:133:ALA:HB2	1:A:129:ASP:HB2	1	0.14
(2,1061)	1:A:133:ALA:HB1	1:A:129:ASP:HB2	1	0.14
(2,1061)	1:A:133:ALA:HB3	1:A:129:ASP:HB2	1	0.14
(2,1036)	1:D:156:SER:HB2	1:C:152:LEU:HD12	8	0.14
(2,1036)	1:D:156:SER:HB2	1:C:152:LEU:HD11	8	0.14
(2,1036)	1:D:156:SER:HB2	1:C:152:LEU:HD13	8	0.14
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD12	8	0.14
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD11	8	0.14
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD13	8	0.14
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD12	8	0.14
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD11	8	0.14
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD13	8	0.14
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD12	8	0.14
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD11	8	0.14
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD13	8	0.14
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD12	8	0.14
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD11	8	0.14
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD13	8	0.14
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD12	8	0.14
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD11	8	0.14
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD13	8	0.14
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD12	8	0.14
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD11	8	0.14
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD13	8	0.14
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD12	8	0.14
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD11	8	0.14
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD13	8	0.14
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD12	8	0.14
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD11	8	0.14
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD13	8	0.14
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD12	8	0.14
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD11	8	0.14
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD13	8	0.14
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD12	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD11	8	0.14
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD13	8	0.14
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD12	8	0.14
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD11	8	0.14
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD13	8	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD12	7	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD11	7	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD13	7	0.14
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD12	7	0.14
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD11	7	0.14
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD13	7	0.14
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD12	7	0.14
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD11	7	0.14
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD13	7	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD12	8	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD11	8	0.14
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD13	8	0.14
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD12	8	0.14
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD11	8	0.14
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD13	8	0.14
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD12	8	0.14
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD11	8	0.14
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD13	8	0.14
(2,1)	1:A:163:ARG:HD2	1:A:163:ARG:HB2	14	0.14
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	10	0.14
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	10	0.14
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	10	0.14
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	10	0.14
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	10	0.14
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	10	0.14
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	15	0.14
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	15	0.14
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	15	0.14
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	15	0.14
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	15	0.14
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	15	0.14
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	17	0.14
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	17	0.14
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	17	0.14
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	17	0.14
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	17	0.14
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	10	0.14
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	10	0.14
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	10	0.14
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	10	0.14
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	10	0.14
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	10	0.14
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	15	0.14
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	15	0.14
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	15	0.14
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	15	0.14
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	15	0.14
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	15	0.14
(1,6)	1:B:160:THR:HG21	1:A:159:PRO:HB2	11	0.14
(1,6)	1:B:160:THR:HG22	1:A:159:PRO:HB2	11	0.14
(1,6)	1:B:160:THR:HG23	1:A:159:PRO:HB2	11	0.14
(1,6)	1:B:160:THR:HG21	1:C:159:PRO:HB2	11	0.14
(1,6)	1:B:160:THR:HG22	1:C:159:PRO:HB2	11	0.14
(1,6)	1:B:160:THR:HG23	1:C:159:PRO:HB2	11	0.14
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	16	0.14
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	16	0.14
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	16	0.14
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	16	0.14
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	16	0.14
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	16	0.14
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	10	0.14
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	10	0.14
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	10	0.14
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	10	0.14
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	10	0.14
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	10	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG12	4	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG11	4	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG13	4	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG12	4	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG11	4	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG13	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG12	9	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG11	9	0.14
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG13	9	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG12	9	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG11	9	0.14
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG13	9	0.14
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG12	9	0.14
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG11	9	0.14
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG13	9	0.14
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG12	9	0.14
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG11	9	0.14
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG13	9	0.14
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	14	0.14
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	14	0.14
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	15	0.14
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	15	0.14
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	10	0.14
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	10	0.14
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	14	0.14
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	14	0.14
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	15	0.14
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	15	0.14
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	15	0.14
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	15	0.14
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	10	0.14
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	10	0.14
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	15	0.14
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	15	0.14
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	19	0.14
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	19	0.14
(1,162)	1:B:152:LEU:HD22	1:C:155:ALA:HA	17	0.14
(1,162)	1:B:152:LEU:HD21	1:C:155:ALA:HA	17	0.14
(1,162)	1:B:152:LEU:HD23	1:C:155:ALA:HA	17	0.14
(1,162)	1:B:152:LEU:HD22	1:A:155:ALA:HA	17	0.14
(1,162)	1:B:152:LEU:HD21	1:A:155:ALA:HA	17	0.14
(1,162)	1:B:152:LEU:HD23	1:A:155:ALA:HA	17	0.14
(1,15)	1:C:160:THR:HG21	1:D:160:THR:HB	17	0.14
(1,15)	1:C:160:THR:HG22	1:D:160:THR:HB	17	0.14
(1,15)	1:C:160:THR:HG23	1:D:160:THR:HB	17	0.14
(1,15)	1:C:160:THR:HG21	1:B:160:THR:HB	17	0.14
(1,15)	1:C:160:THR:HG22	1:B:160:THR:HB	17	0.14
(1,15)	1:C:160:THR:HG23	1:B:160:THR:HB	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	8	0.13
(2,975)	1:C:137:ARG:HA	1:C:137:ARG:HD2	11	0.13
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	8	0.13
(2,974)	1:B:137:ARG:HA	1:B:137:ARG:HD2	11	0.13
(2,973)	1:A:137:ARG:HA	1:A:137:ARG:HD2	8	0.13
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	5	0.13
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	16	0.13
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	18	0.13
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	5	0.13
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	16	0.13
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	18	0.13
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	5	0.13
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	16	0.13
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	18	0.13
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	5	0.13
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	7	0.13
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	16	0.13
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	17	0.13
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	18	0.13
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	5	0.13
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	5	0.13
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	5	0.13
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	5	0.13
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	5	0.13
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	5	0.13
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	5	0.13
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	5	0.13
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	5	0.13
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	5	0.13
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	5	0.13
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	5	0.13
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	1	0.13
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	1	0.13
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	1	0.13
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	1	0.13
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	1	0.13
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	1	0.13
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	1	0.13
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	1	0.13
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	1	0.13
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	1	0.13
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	1	0.13
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	1	0.13
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	1	0.13
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	1	0.13
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	1	0.13
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	1	0.13
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	1	0.13
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	1	0.13
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	1	0.13
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	1	0.13
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	1	0.13
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	1	0.13
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	1	0.13
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	1	0.13
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	1	0.13
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	1	0.13
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	1	0.13
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	1	0.13
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	1	0.13
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	1	0.13
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	1	0.13
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	1	0.13
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	1	0.13
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	1	0.13
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	1	0.13
(2,804)	1:D:137:ARG:HD3	1:D:141:LYS:HE3	10	0.13
(2,803)	1:C:137:ARG:HD3	1:C:141:LYS:HE3	10	0.13
(2,75)	1:C:158:GLY:HA3	1:C:159:PRO:HD2	3	0.13
(2,74)	1:B:158:GLY:HA3	1:B:159:PRO:HD2	3	0.13
(2,73)	1:A:158:GLY:HA3	1:A:159:PRO:HD2	3	0.13
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	20	0.13
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	20	0.13
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	20	0.13
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	20	0.13
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	20	0.13
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	20	0.13
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	20	0.13
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	20	0.13
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	20	0.13
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	20	0.13
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	20	0.13
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	20	0.13
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	20	0.13
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	20	0.13
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	20	0.13
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	20	0.13
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	20	0.13
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	20	0.13
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	20	0.13
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	20	0.13
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	20	0.13
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	20	0.13
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	20	0.13
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	20	0.13
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	20	0.13
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	20	0.13
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	20	0.13
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	20	0.13
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	20	0.13
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	20	0.13
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	20	0.13
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	20	0.13
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	20	0.13
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	20	0.13
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	20	0.13
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	5	0.13
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	6	0.13
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	6	0.13
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	6	0.13
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	6	0.13
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	6	0.13
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	6	0.13
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	6	0.13
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	6	0.13
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	6	0.13
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	6	0.13
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	6	0.13
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	6	0.13
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	2	0.13
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	2	0.13
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	2	0.13
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	3	0.13
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	3	0.13
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	16	0.13
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	16	0.13
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	16	0.13
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	2	0.13
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	2	0.13
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	2	0.13
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	3	0.13
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	3	0.13
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	3	0.13
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	16	0.13
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	16	0.13
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	16	0.13
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	1	0.13
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	1	0.13
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	1	0.13
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	2	0.13
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	2	0.13
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	2	0.13
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	16	0.13
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	16	0.13
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	16	0.13
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	2	0.13
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	2	0.13
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	2	0.13
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	16	0.13
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	16	0.13
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	16	0.13
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	10	0.13
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	7	0.13
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	5	0.13
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	7	0.13
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	2	0.13
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	7	0.13
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	11	0.13
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	2	0.13
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	7	0.13
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	11	0.13
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	19	0.13
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	6	0.13
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	11	0.13
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	11	0.13
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	2	0.13
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	5	0.13
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	7	0.13
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	2	0.13
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	7	0.13
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	3	0.13
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	5	0.13
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	11	0.13
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	3	0.13
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	3	0.13
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	11	0.13
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	3	0.13
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	5	0.13
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	11	0.13
(2,454)	1:B:134:ARG:HA	1:B:134:ARG:HD2	2	0.13
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	4	0.13
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	8	0.13
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	10	0.13
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	19	0.13
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	20	0.13
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	4	0.13
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	8	0.13
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	10	0.13
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	19	0.13
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	4	0.13
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	8	0.13
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	10	0.13
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	19	0.13
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	4	0.13
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	8	0.13
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	10	0.13
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	19	0.13
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	20	0.13
(2,380)	1:D:137:ARG:HG2	1:D:138:ILE:HA	4	0.13
(2,379)	1:C:137:ARG:HG2	1:C:138:ILE:HA	4	0.13
(2,378)	1:B:137:ARG:HG2	1:B:138:ILE:HA	4	0.13
(2,377)	1:A:137:ARG:HG2	1:A:138:ILE:HA	4	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	5	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	5	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	5	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	6	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	6	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	7	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	7	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	7	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	8	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	8	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	8	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	9	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	9	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	9	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	13	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	13	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	13	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	16	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	16	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	16	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	19	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	19	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	19	0.13
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	20	0.13
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	20	0.13
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	20	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	5	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	5	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	5	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	6	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	6	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	6	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	7	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	7	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	7	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	8	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	8	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	8	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	9	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	9	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	9	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	13	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	13	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	13	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	16	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	16	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	19	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	19	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	19	0.13
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	20	0.13
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	20	0.13
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	20	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	5	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	5	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	5	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	6	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	6	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	6	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	7	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	7	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	7	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	8	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	8	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	8	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	9	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	9	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	9	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	15	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	15	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	15	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	16	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	16	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	16	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	19	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	19	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	19	0.13
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	20	0.13
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	20	0.13
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	20	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	5	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	5	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	5	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	6	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	6	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	6	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	7	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	7	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	8	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	8	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	8	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	9	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	9	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	9	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	16	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	16	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	16	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	19	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	19	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	19	0.13
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	20	0.13
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	20	0.13
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	20	0.13
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	13	0.13
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	19	0.13
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	15	0.13
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	13	0.13
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	15	0.13
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	19	0.13
(2,2456)	1:D:140:GLU:H	1:D:139:ASP:HB2	7	0.13
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	9	0.13
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	9	0.13
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	9	0.13
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	11	0.13
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	11	0.13
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	11	0.13
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	9	0.13
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	9	0.13
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	9	0.13
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	11	0.13
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	11	0.13
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	11	0.13
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	5	0.13
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	5	0.13
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	5	0.13
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	11	0.13
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	11	0.13
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	9	0.13
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	9	0.13
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	9	0.13
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	11	0.13
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	11	0.13
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	11	0.13
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD12	7	0.13
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD11	7	0.13
(2,2432)	1:D:144:GLU:H	1:D:145:ILE:HD13	7	0.13
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD12	7	0.13
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD11	7	0.13
(2,2431)	1:C:144:GLU:H	1:C:145:ILE:HD13	7	0.13
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD12	7	0.13
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD11	7	0.13
(2,2430)	1:B:144:GLU:H	1:B:145:ILE:HD13	7	0.13
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD12	7	0.13
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD11	7	0.13
(2,2429)	1:A:144:GLU:H	1:A:145:ILE:HD13	7	0.13
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	1	0.13
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	6	0.13
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	13	0.13
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	1	0.13
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	6	0.13
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	13	0.13
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	19	0.13
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	1	0.13
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	6	0.13
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	13	0.13
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	19	0.13
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	1	0.13
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	6	0.13
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	13	0.13
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	19	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	1	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	1	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	1	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	2	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	2	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	2	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	3	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	3	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	6	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	6	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	6	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	14	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	14	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	14	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	15	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	15	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	15	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	20	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	20	0.13
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	20	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	1	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	1	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	1	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	3	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	3	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	3	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	6	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	6	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	6	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	15	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	15	0.13
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	15	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	3	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	3	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	3	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	6	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	6	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	6	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	15	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	15	0.13
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	15	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	2	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	2	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	2	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	3	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	3	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	3	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	6	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	6	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	15	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	15	0.13
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	15	0.13
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	10	0.13
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	10	0.13
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	18	0.13
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	18	0.13
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	18	0.13
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	18	0.13
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG21	10	0.13
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG22	10	0.13
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG23	10	0.13
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG21	10	0.13
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG22	10	0.13
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG23	10	0.13
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG21	10	0.13
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG22	10	0.13
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG23	10	0.13
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	7	0.13
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	7	0.13
(2,2107)	1:C:132:THR:H	1:C:131:ILE:HG13	12	0.13
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	7	0.13
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	12	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	5	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	5	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	5	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	9	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	9	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	9	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG22	18	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG21	18	0.13
(2,2036)	1:D:147:GLY:H	1:D:145:ILE:HG23	18	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	5	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	5	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	5	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	9	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	9	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	9	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG22	18	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG21	18	0.13
(2,2035)	1:C:147:GLY:H	1:C:145:ILE:HG23	18	0.13
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	5	0.13
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	5	0.13
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG22	18	0.13
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG21	18	0.13
(2,2034)	1:B:147:GLY:H	1:B:145:ILE:HG23	18	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	5	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	5	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	5	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	9	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	9	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	9	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG22	18	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG21	18	0.13
(2,2033)	1:A:147:GLY:H	1:A:145:ILE:HG23	18	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	10	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	10	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	10	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	11	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	11	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	11	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG22	12	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG21	12	0.13
(2,2020)	1:D:151:THR:H	1:D:154:VAL:HG23	12	0.13
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	11	0.13
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	11	0.13
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	11	0.13
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG22	12	0.13
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG21	12	0.13
(2,2019)	1:C:151:THR:H	1:C:154:VAL:HG23	12	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	10	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	10	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	10	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	11	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	11	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	11	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG22	12	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG21	12	0.13
(2,2018)	1:B:151:THR:H	1:B:154:VAL:HG23	12	0.13
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	10	0.13
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	10	0.13
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	10	0.13
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	12	0.13
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	12	0.13
(2,1960)	1:D:136:ASP:H	1:D:135:LEU:HB3	17	0.13
(2,1959)	1:C:136:ASP:H	1:C:135:LEU:HB3	17	0.13
(2,1958)	1:B:136:ASP:H	1:B:135:LEU:HB3	17	0.13
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	12	0.13
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	12	0.13
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	12	0.13
(2,1928)	1:D:135:LEU:H	1:D:135:LEU:HD12	13	0.13
(2,1928)	1:D:135:LEU:H	1:D:135:LEU:HD11	13	0.13
(2,1928)	1:D:135:LEU:H	1:D:135:LEU:HD13	13	0.13
(2,1927)	1:C:135:LEU:H	1:C:135:LEU:HD12	13	0.13
(2,1927)	1:C:135:LEU:H	1:C:135:LEU:HD11	13	0.13
(2,1927)	1:C:135:LEU:H	1:C:135:LEU:HD13	13	0.13
(2,1926)	1:B:135:LEU:H	1:B:135:LEU:HD12	13	0.13
(2,1926)	1:B:135:LEU:H	1:B:135:LEU:HD11	13	0.13
(2,1926)	1:B:135:LEU:H	1:B:135:LEU:HD13	13	0.13
(2,1925)	1:A:135:LEU:H	1:A:135:LEU:HD12	13	0.13
(2,1925)	1:A:135:LEU:H	1:A:135:LEU:HD11	13	0.13
(2,1925)	1:A:135:LEU:H	1:A:135:LEU:HD13	13	0.13
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	16	0.13
(2,1849)	1:A:136:ASP:H	1:A:133:ALA:H	18	0.13
(2,1598)	1:B:137:ARG:H	1:B:136:ASP:HB2	16	0.13
(2,1597)	1:A:137:ARG:H	1:A:136:ASP:HB2	16	0.13
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB2	17	0.13
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB1	17	0.13
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB3	17	0.13
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB2	17	0.13
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB1	17	0.13
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB3	17	0.13
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB2	17	0.13
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB1	17	0.13
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB3	17	0.13
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	14	0.13
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	14	0.13
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	14	0.13
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	14	0.13
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	14	0.13
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	14	0.13
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	14	0.13
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	14	0.13
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	14	0.13
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	14	0.13
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	14	0.13
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD12	14	0.13
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD11	14	0.13
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD13	14	0.13
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD22	14	0.13
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD21	14	0.13
(2,1339)	1:C:144:GLU:HG2	1:D:146:LEU:HD23	14	0.13
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD12	18	0.13
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD11	18	0.13
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD13	18	0.13
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD22	18	0.13
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD21	18	0.13
(2,1338)	1:B:144:GLU:HG2	1:C:146:LEU:HD23	18	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	8	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	8	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	8	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	8	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	8	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	8	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	8	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	8	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	8	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	10	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	10	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	10	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	10	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	10	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	10	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	10	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	10	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	10	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	11	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	11	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	11	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	11	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	11	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	11	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	11	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	11	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	18	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	18	0.13
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	18	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	18	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	18	0.13
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	18	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	18	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	18	0.13
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	18	0.13
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	8	0.13
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	8	0.13
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	8	0.13
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	8	0.13
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	8	0.13
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	8	0.13
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	8	0.13
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	8	0.13
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	8	0.13
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	1	0.13
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	1	0.13
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	1	0.13
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	1	0.13
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	1	0.13
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	1	0.13
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	1	0.13
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	1	0.13
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	1	0.13
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG22	13	0.13
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG21	13	0.13
(2,1252)	1:D:135:LEU:HG	1:D:131:ILE:HG23	13	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG22	12	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG21	12	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG23	12	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG22	20	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG21	20	0.13
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG23	20	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG22	12	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG21	12	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG23	12	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG22	20	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG21	20	0.13
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG23	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG22	12	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG21	12	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG23	12	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG22	20	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG21	20	0.13
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG23	20	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG22	12	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG21	12	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG23	12	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG22	20	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG21	20	0.13
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG23	20	0.13
(2,1064)	1:D:133:ALA:HB2	1:D:129:ASP:HB2	1	0.13
(2,1064)	1:D:133:ALA:HB1	1:D:129:ASP:HB2	1	0.13
(2,1064)	1:D:133:ALA:HB3	1:D:129:ASP:HB2	1	0.13
(2,1063)	1:C:133:ALA:HB2	1:C:129:ASP:HB2	1	0.13
(2,1063)	1:C:133:ALA:HB1	1:C:129:ASP:HB2	1	0.13
(2,1063)	1:C:133:ALA:HB3	1:C:129:ASP:HB2	1	0.13
(2,1062)	1:B:133:ALA:HB2	1:B:129:ASP:HB2	1	0.13
(2,1062)	1:B:133:ALA:HB1	1:B:129:ASP:HB2	1	0.13
(2,1062)	1:B:133:ALA:HB3	1:B:129:ASP:HB2	1	0.13
(1,8)	1:D:160:THR:HG21	1:C:159:PRO:HB2	5	0.13
(1,8)	1:D:160:THR:HG22	1:C:159:PRO:HB2	5	0.13
(1,8)	1:D:160:THR:HG23	1:C:159:PRO:HB2	5	0.13
(1,8)	1:D:160:THR:HG21	1:A:159:PRO:HB2	5	0.13
(1,8)	1:D:160:THR:HG22	1:A:159:PRO:HB2	5	0.13
(1,8)	1:D:160:THR:HG23	1:A:159:PRO:HB2	5	0.13
(1,7)	1:C:160:THR:HG21	1:B:159:PRO:HB2	11	0.13
(1,7)	1:C:160:THR:HG22	1:B:159:PRO:HB2	11	0.13
(1,7)	1:C:160:THR:HG23	1:B:159:PRO:HB2	11	0.13
(1,7)	1:C:160:THR:HG21	1:D:159:PRO:HB2	11	0.13
(1,7)	1:C:160:THR:HG22	1:D:159:PRO:HB2	11	0.13
(1,7)	1:C:160:THR:HG23	1:D:159:PRO:HB2	11	0.13
(1,663)	1:C:142:LEU:HD22	1:D:141:LYS:HB3	18	0.13
(1,663)	1:C:142:LEU:HD21	1:D:141:LYS:HB3	18	0.13
(1,663)	1:C:142:LEU:HD23	1:D:141:LYS:HB3	18	0.13
(1,663)	1:C:142:LEU:HD22	1:B:141:LYS:HB3	18	0.13
(1,663)	1:C:142:LEU:HD21	1:B:141:LYS:HB3	18	0.13
(1,663)	1:C:142:LEU:HD23	1:B:141:LYS:HB3	18	0.13
(1,662)	1:B:142:LEU:HD22	1:C:141:LYS:HB3	18	0.13
(1,662)	1:B:142:LEU:HD21	1:C:141:LYS:HB3	18	0.13
(1,662)	1:B:142:LEU:HD23	1:C:141:LYS:HB3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:B:142:LEU:HD22	1:A:141:LYS:HB3	18	0.13
(1,662)	1:B:142:LEU:HD21	1:A:141:LYS:HB3	18	0.13
(1,662)	1:B:142:LEU:HD23	1:A:141:LYS:HB3	18	0.13
(1,661)	1:A:142:LEU:HD22	1:B:141:LYS:HB3	18	0.13
(1,661)	1:A:142:LEU:HD21	1:B:141:LYS:HB3	18	0.13
(1,661)	1:A:142:LEU:HD23	1:B:141:LYS:HB3	18	0.13
(1,661)	1:A:142:LEU:HD22	1:D:141:LYS:HB3	18	0.13
(1,661)	1:A:142:LEU:HD21	1:D:141:LYS:HB3	18	0.13
(1,661)	1:A:142:LEU:HD23	1:D:141:LYS:HB3	18	0.13
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	18	0.13
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	18	0.13
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	18	0.13
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	18	0.13
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	18	0.13
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	18	0.13
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	17	0.13
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	17	0.13
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	17	0.13
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	17	0.13
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	17	0.13
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	17	0.13
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	6	0.13
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	6	0.13
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	6	0.13
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	6	0.13
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	6	0.13
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	6	0.13
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	8	0.13
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	8	0.13
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	8	0.13
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	8	0.13
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	8	0.13
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	8	0.13
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	16	0.13
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	16	0.13
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	16	0.13
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	16	0.13
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	16	0.13
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	16	0.13
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	3	0.13
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	3	0.13
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	3	0.13
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	3	0.13
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	3	0.13
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	8	0.13
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	8	0.13
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	8	0.13
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	8	0.13
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	8	0.13
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	8	0.13
(1,5)	1:A:160:THR:HG21	1:D:159:PRO:HB2	5	0.13
(1,5)	1:A:160:THR:HG22	1:D:159:PRO:HB2	5	0.13
(1,5)	1:A:160:THR:HG23	1:D:159:PRO:HB2	5	0.13
(1,5)	1:A:160:THR:HG21	1:B:159:PRO:HB2	5	0.13
(1,5)	1:A:160:THR:HG22	1:B:159:PRO:HB2	5	0.13
(1,5)	1:A:160:THR:HG23	1:B:159:PRO:HB2	5	0.13
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	10	0.13
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	10	0.13
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	10	0.13
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	10	0.13
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	10	0.13
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	10	0.13
(1,454)	1:B:138:ILE:HD12	1:C:137:ARG:HB2	10	0.13
(1,454)	1:B:138:ILE:HD11	1:C:137:ARG:HB2	10	0.13
(1,454)	1:B:138:ILE:HD13	1:C:137:ARG:HB2	10	0.13
(1,454)	1:B:138:ILE:HD12	1:A:137:ARG:HB2	10	0.13
(1,454)	1:B:138:ILE:HD11	1:A:137:ARG:HB2	10	0.13
(1,454)	1:B:138:ILE:HD13	1:A:137:ARG:HB2	10	0.13
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	10	0.13
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	10	0.13
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	10	0.13
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	10	0.13
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	10	0.13
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	10	0.13
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG12	4	0.13
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG11	4	0.13
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG13	4	0.13
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG12	4	0.13
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG11	4	0.13
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG13	4	0.13
(1,354)	1:B:145:ILE:HD12	1:C:141:LYS:HD3	4	0.13
(1,354)	1:B:145:ILE:HD11	1:C:141:LYS:HD3	4	0.13
(1,354)	1:B:145:ILE:HD13	1:C:141:LYS:HD3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:B:145:ILE:HD12	1:A:141:LYS:HD3	4	0.13
(1,354)	1:B:145:ILE:HD11	1:A:141:LYS:HD3	4	0.13
(1,354)	1:B:145:ILE:HD13	1:A:141:LYS:HD3	4	0.13
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	4	0.13
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	4	0.13
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	13	0.13
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	13	0.13
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	4	0.13
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	4	0.13
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	1	0.13
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	1	0.13
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	4	0.13
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	4	0.13
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	13	0.13
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	13	0.13
(1,30)	1:B:159:PRO:HD3	1:A:158:GLY:HA3	14	0.13
(1,30)	1:B:159:PRO:HD3	1:C:158:GLY:HA3	14	0.13
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	4	0.13
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	4	0.13
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG22	12	0.13
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG21	12	0.13
(1,260)	1:D:148:MET:HE2	1:A:145:ILE:HG23	12	0.13
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG22	12	0.13
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG21	12	0.13
(1,260)	1:D:148:MET:HE1	1:A:145:ILE:HG23	12	0.13
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG22	12	0.13
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG21	12	0.13
(1,260)	1:D:148:MET:HE3	1:A:145:ILE:HG23	12	0.13
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG22	12	0.13
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG21	12	0.13
(1,260)	1:D:148:MET:HE2	1:C:145:ILE:HG23	12	0.13
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG22	12	0.13
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG21	12	0.13
(1,260)	1:D:148:MET:HE1	1:C:145:ILE:HG23	12	0.13
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG22	12	0.13
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG21	12	0.13
(1,260)	1:D:148:MET:HE3	1:C:145:ILE:HG23	12	0.13
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG22	19	0.13
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG21	19	0.13
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG23	19	0.13
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG22	19	0.13
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG21	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG23	19	0.13
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG22	19	0.13
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG21	19	0.13
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG23	19	0.13
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG22	19	0.13
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG21	19	0.13
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG23	19	0.13
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG22	19	0.13
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG21	19	0.13
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG23	19	0.13
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG22	19	0.13
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG21	19	0.13
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG23	19	0.13
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	4	0.12
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	7	0.12
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	8	0.12
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	10	0.12
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	13	0.12
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	14	0.12
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	17	0.12
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	4	0.12
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	7	0.12
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	10	0.12
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	13	0.12
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	14	0.12
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	17	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	4	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	7	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	8	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	10	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	13	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	14	0.12
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	17	0.12
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	10	0.12
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	12	0.12
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	13	0.12
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	14	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	7	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	7	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	7	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	18	0.12
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	18	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	7	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	7	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	7	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	13	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	13	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	13	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	18	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	18	0.12
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	18	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	7	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	7	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	7	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	18	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	18	0.12
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	18	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	7	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	7	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	7	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	18	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	18	0.12
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	18	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	4	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	4	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	4	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	4	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	4	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	4	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	4	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	4	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	4	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	6	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	6	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	6	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	6	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	6	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	6	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	6	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	6	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	6	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	15	0.12
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	15	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	15	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	15	0.12
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	15	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	15	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	15	0.12
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	15	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	4	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	4	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	4	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	4	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	4	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	4	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	4	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	4	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	4	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	6	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	6	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	6	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	6	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	6	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	6	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	6	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	6	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	6	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	15	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	15	0.12
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	15	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	15	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	15	0.12
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	15	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	15	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	15	0.12
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	15	0.12
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	4	0.12
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	4	0.12
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	4	0.12
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	4	0.12
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	4	0.12
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	4	0.12
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	4	0.12
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	4	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	4	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	4	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	4	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	4	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	4	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	4	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	4	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	4	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	4	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	6	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	6	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	6	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	6	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	6	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	6	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	6	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	6	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	6	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	15	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	15	0.12
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	15	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	15	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	15	0.12
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	15	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	15	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	15	0.12
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	15	0.12
(2,84)	1:D:157:ALA:HB2	1:D:153:VAL:HA	11	0.12
(2,84)	1:D:157:ALA:HB1	1:D:153:VAL:HA	11	0.12
(2,84)	1:D:157:ALA:HB3	1:D:153:VAL:HA	11	0.12
(2,84)	1:D:157:ALA:HB2	1:D:153:VAL:HA	14	0.12
(2,84)	1:D:157:ALA:HB1	1:D:153:VAL:HA	14	0.12
(2,84)	1:D:157:ALA:HB3	1:D:153:VAL:HA	14	0.12
(2,83)	1:C:157:ALA:HB2	1:C:153:VAL:HA	11	0.12
(2,83)	1:C:157:ALA:HB1	1:C:153:VAL:HA	11	0.12
(2,83)	1:C:157:ALA:HB3	1:C:153:VAL:HA	11	0.12
(2,82)	1:B:157:ALA:HB2	1:B:153:VAL:HA	11	0.12
(2,82)	1:B:157:ALA:HB1	1:B:153:VAL:HA	11	0.12
(2,82)	1:B:157:ALA:HB3	1:B:153:VAL:HA	11	0.12
(2,82)	1:B:157:ALA:HB2	1:B:153:VAL:HA	14	0.12
(2,82)	1:B:157:ALA:HB1	1:B:153:VAL:HA	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:B:157:ALA:HB3	1:B:153:VAL:HA	14	0.12
(2,81)	1:A:157:ALA:HB2	1:A:153:VAL:HA	11	0.12
(2,81)	1:A:157:ALA:HB1	1:A:153:VAL:HA	11	0.12
(2,81)	1:A:157:ALA:HB3	1:A:153:VAL:HA	11	0.12
(2,81)	1:A:157:ALA:HB2	1:A:153:VAL:HA	14	0.12
(2,81)	1:A:157:ALA:HB1	1:A:153:VAL:HA	14	0.12
(2,81)	1:A:157:ALA:HB3	1:A:153:VAL:HA	14	0.12
(2,802)	1:B:137:ARG:HD3	1:B:141:LYS:HE3	10	0.12
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	5	0.12
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	5	0.12
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	5	0.12
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	5	0.12
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	5	0.12
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	5	0.12
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	5	0.12
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	5	0.12
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	5	0.12
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	18	0.12
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	18	0.12
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	18	0.12
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	18	0.12
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	18	0.12
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	18	0.12
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	18	0.12
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	18	0.12
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	18	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	4	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	4	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	4	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	4	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	4	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	4	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	4	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	4	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	4	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	5	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	5	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	5	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	5	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	5	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	5	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	5	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	5	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	18	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	18	0.12
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	18	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	18	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	18	0.12
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	18	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	18	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	18	0.12
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	18	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	5	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	5	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	5	0.12
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	5	0.12
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	5	0.12
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	5	0.12
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	5	0.12
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	5	0.12
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	5	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	18	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	18	0.12
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	18	0.12
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	18	0.12
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	18	0.12
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	18	0.12
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	18	0.12
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	18	0.12
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	18	0.12
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB2	18	0.12
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB1	18	0.12
(2,709)	1:A:154:VAL:HG12	1:A:157:ALA:HB3	18	0.12
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB2	18	0.12
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB1	18	0.12
(2,709)	1:A:154:VAL:HG11	1:A:157:ALA:HB3	18	0.12
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB2	18	0.12
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB1	18	0.12
(2,709)	1:A:154:VAL:HG13	1:A:157:ALA:HB3	18	0.12
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	5	0.12
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	20	0.12
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	20	0.12
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	20	0.12
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	1	0.12
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	1	0.12
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	1	0.12
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	5	0.12
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	5	0.12
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	5	0.12
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	12	0.12
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	12	0.12
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	12	0.12
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	18	0.12
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	18	0.12
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	18	0.12
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	20	0.12
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	20	0.12
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	20	0.12
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	1	0.12
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	1	0.12
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	1	0.12
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	5	0.12
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	5	0.12
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	5	0.12
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	12	0.12
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	12	0.12
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	12	0.12
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	18	0.12
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	18	0.12
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	18	0.12
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	20	0.12
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	20	0.12
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	20	0.12
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	5	0.12
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	5	0.12
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	5	0.12
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	12	0.12
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	12	0.12
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	12	0.12
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	18	0.12
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	18	0.12
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	18	0.12
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	20	0.12
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	20	0.12
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	1	0.12
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	1	0.12
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	1	0.12
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	5	0.12
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	5	0.12
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	5	0.12
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	12	0.12
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	12	0.12
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	12	0.12
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	18	0.12
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	18	0.12
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	18	0.12
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	20	0.12
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	20	0.12
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	20	0.12
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	4	0.12
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	10	0.12
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	4	0.12
(2,63)	1:C:159:PRO:HB2	1:C:159:PRO:HD2	10	0.12
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	2	0.12
(2,62)	1:B:159:PRO:HB2	1:B:159:PRO:HD2	4	0.12
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	2	0.12
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	4	0.12
(2,61)	1:A:159:PRO:HB2	1:A:159:PRO:HD2	10	0.12
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	11	0.12
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	6	0.12
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	8	0.12
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	14	0.12
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	6	0.12
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	8	0.12
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	14	0.12
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	2	0.12
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	7	0.12
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	8	0.12
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	14	0.12
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	2	0.12
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	6	0.12
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	14	0.12
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	19	0.12
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	7	0.12
(2,456)	1:D:134:ARG:HA	1:D:134:ARG:HD2	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,455)	1:C:134:ARG:HA	1:C:134:ARG:HD2	2	0.12
(2,453)	1:A:134:ARG:HA	1:A:134:ARG:HD2	2	0.12
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	18	0.12
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	18	0.12
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	20	0.12
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	18	0.12
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	20	0.12
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	18	0.12
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	1	0.12
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	1	0.12
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	1	0.12
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	2	0.12
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	2	0.12
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	2	0.12
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	10	0.12
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	10	0.12
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	10	0.12
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	11	0.12
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	11	0.12
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	11	0.12
(2,320)	1:D:142:LEU:HD22	1:D:142:LEU:HA	15	0.12
(2,320)	1:D:142:LEU:HD21	1:D:142:LEU:HA	15	0.12
(2,320)	1:D:142:LEU:HD23	1:D:142:LEU:HA	15	0.12
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	1	0.12
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	1	0.12
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	1	0.12
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	2	0.12
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	2	0.12
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	2	0.12
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	10	0.12
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	10	0.12
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	10	0.12
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	11	0.12
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	11	0.12
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	11	0.12
(2,319)	1:C:142:LEU:HD22	1:C:142:LEU:HA	15	0.12
(2,319)	1:C:142:LEU:HD21	1:C:142:LEU:HA	15	0.12
(2,319)	1:C:142:LEU:HD23	1:C:142:LEU:HA	15	0.12
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	1	0.12
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	1	0.12
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	1	0.12
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	2	0.12
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	2	0.12
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	10	0.12
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	10	0.12
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	10	0.12
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	11	0.12
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	11	0.12
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	11	0.12
(2,318)	1:B:142:LEU:HD22	1:B:142:LEU:HA	13	0.12
(2,318)	1:B:142:LEU:HD21	1:B:142:LEU:HA	13	0.12
(2,318)	1:B:142:LEU:HD23	1:B:142:LEU:HA	13	0.12
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	1	0.12
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	1	0.12
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	1	0.12
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	2	0.12
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	2	0.12
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	2	0.12
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	10	0.12
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	10	0.12
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	10	0.12
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	11	0.12
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	11	0.12
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	11	0.12
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	13	0.12
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	13	0.12
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	13	0.12
(2,317)	1:A:142:LEU:HD22	1:A:142:LEU:HA	15	0.12
(2,317)	1:A:142:LEU:HD21	1:A:142:LEU:HA	15	0.12
(2,317)	1:A:142:LEU:HD23	1:A:142:LEU:HA	15	0.12
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	10	0.12
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	15	0.12
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	8	0.12
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	10	0.12
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	13	0.12
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	8	0.12
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	10	0.12
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	10	0.12
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	13	0.12
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	15	0.12
(2,2455)	1:C:140:GLU:H	1:C:139:ASP:HB2	7	0.12
(2,2454)	1:B:140:GLU:H	1:B:139:ASP:HB2	7	0.12
(2,2453)	1:A:140:GLU:H	1:A:139:ASP:HB2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	7	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	7	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	7	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	8	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	8	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	8	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD12	17	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD11	17	0.12
(2,2444)	1:D:137:ARG:H	1:D:138:ILE:HD13	17	0.12
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	8	0.12
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	8	0.12
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	8	0.12
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	17	0.12
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	17	0.12
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	17	0.12
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	8	0.12
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	8	0.12
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	8	0.12
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	17	0.12
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	17	0.12
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	17	0.12
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	8	0.12
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	8	0.12
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	8	0.12
(2,2402)	1:B:131:ILE:H	1:B:134:ARG:H	7	0.12
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	9	0.12
(2,2356)	1:D:139:ASP:H	1:D:135:LEU:HA	19	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	8	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	8	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	8	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	10	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	10	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	10	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	11	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	11	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	11	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	16	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	16	0.12
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	16	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	2	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	2	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	8	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	8	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	8	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	10	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	10	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	10	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	11	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	11	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	11	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	14	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	14	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	14	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	16	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	16	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	16	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	20	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	20	0.12
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	20	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	1	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	1	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	1	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	2	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	2	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	2	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	8	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	8	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	8	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	10	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	10	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	10	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	11	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	11	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	11	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	14	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	14	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	14	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	16	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	16	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	16	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	20	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	20	0.12
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	1	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	1	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	1	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	8	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	8	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	8	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	10	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	10	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	10	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	11	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	11	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	11	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	14	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	14	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	14	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	16	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	16	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	16	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	20	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	20	0.12
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	20	0.12
(2,2252)	1:D:153:VAL:H	1:D:156:SER:HB2	11	0.12
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	10	0.12
(2,2251)	1:C:153:VAL:H	1:C:156:SER:HB2	11	0.12
(2,2250)	1:B:153:VAL:H	1:B:156:SER:HB2	11	0.12
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG21	8	0.12
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG22	8	0.12
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG23	8	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG21	8	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG22	8	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG23	8	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG21	13	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG22	13	0.12
(2,2119)	1:C:131:ILE:H	1:C:127:THR:HG23	13	0.12
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG21	8	0.12
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG22	8	0.12
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG23	8	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG21	8	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG22	8	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG23	8	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG21	10	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG22	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG23	10	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG21	13	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG22	13	0.12
(2,2117)	1:A:131:ILE:H	1:A:127:THR:HG23	13	0.12
(2,2108)	1:D:132:THR:H	1:D:131:ILE:HG13	12	0.12
(2,2106)	1:B:132:THR:H	1:B:131:ILE:HG13	12	0.12
(2,2105)	1:A:132:THR:H	1:A:131:ILE:HG13	7	0.12
(2,2043)	1:C:145:ILE:H	1:C:146:LEU:HG	1	0.12
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG22	11	0.12
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG21	11	0.12
(2,2017)	1:A:151:THR:H	1:A:154:VAL:HG23	11	0.12
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG12	3	0.12
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG11	3	0.12
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG13	3	0.12
(2,1968)	1:D:140:GLU:H	1:D:140:GLU:HB3	4	0.12
(2,1968)	1:D:140:GLU:H	1:D:140:GLU:HB3	6	0.12
(2,1968)	1:D:140:GLU:H	1:D:140:GLU:HB3	14	0.12
(2,1968)	1:D:140:GLU:H	1:D:140:GLU:HB3	20	0.12
(2,1967)	1:C:140:GLU:H	1:C:140:GLU:HB3	3	0.12
(2,1967)	1:C:140:GLU:H	1:C:140:GLU:HB3	4	0.12
(2,1967)	1:C:140:GLU:H	1:C:140:GLU:HB3	6	0.12
(2,1967)	1:C:140:GLU:H	1:C:140:GLU:HB3	14	0.12
(2,1966)	1:B:140:GLU:H	1:B:140:GLU:HB3	4	0.12
(2,1966)	1:B:140:GLU:H	1:B:140:GLU:HB3	6	0.12
(2,1966)	1:B:140:GLU:H	1:B:140:GLU:HB3	14	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	1	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	3	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	4	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	6	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	12	0.12
(2,1965)	1:A:140:GLU:H	1:A:140:GLU:HB3	14	0.12
(2,1960)	1:D:136:ASP:H	1:D:135:LEU:HB3	5	0.12
(2,1959)	1:C:136:ASP:H	1:C:135:LEU:HB3	5	0.12
(2,1958)	1:B:136:ASP:H	1:B:135:LEU:HB3	5	0.12
(2,1957)	1:A:136:ASP:H	1:A:135:LEU:HB3	5	0.12
(2,1957)	1:A:136:ASP:H	1:A:135:LEU:HB3	17	0.12
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	1	0.12
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	1	0.12
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	1	0.12
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	3	0.12
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	3	0.12
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	3	0.12
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	3	0.12
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	3	0.12
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	3	0.12
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	3	0.12
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	3	0.12
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	3	0.12
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	3	0.12
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	3	0.12
(2,1852)	1:D:136:ASP:H	1:D:133:ALA:H	16	0.12
(2,1851)	1:C:136:ASP:H	1:C:133:ALA:H	16	0.12
(2,1850)	1:B:136:ASP:H	1:B:133:ALA:H	16	0.12
(2,1616)	1:D:148:MET:H	1:D:144:GLU:HA	4	0.12
(2,1615)	1:C:148:MET:H	1:C:144:GLU:HA	4	0.12
(2,1614)	1:B:148:MET:H	1:B:144:GLU:HA	4	0.12
(2,1613)	1:A:148:MET:H	1:A:144:GLU:HA	4	0.12
(2,1600)	1:D:137:ARG:H	1:D:136:ASP:HB2	16	0.12
(2,1599)	1:C:137:ARG:H	1:C:136:ASP:HB2	16	0.12
(2,1597)	1:A:137:ARG:H	1:A:136:ASP:HB2	2	0.12
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB2	3	0.12
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB1	3	0.12
(2,1588)	1:D:158:GLY:H	1:D:157:ALA:HB3	3	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB2	3	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB1	3	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB3	3	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB2	17	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB1	17	0.12
(2,1587)	1:C:158:GLY:H	1:C:157:ALA:HB3	17	0.12
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB2	3	0.12
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB1	3	0.12
(2,1586)	1:B:158:GLY:H	1:B:157:ALA:HB3	3	0.12
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB2	3	0.12
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB1	3	0.12
(2,1585)	1:A:158:GLY:H	1:A:157:ALA:HB3	3	0.12
(2,1401)	1:A:134:ARG:H	1:A:135:LEU:HB3	13	0.12
(2,1368)	1:D:138:ILE:HG22	1:D:139:ASP:HB3	18	0.12
(2,1368)	1:D:138:ILE:HG21	1:D:139:ASP:HB3	18	0.12
(2,1368)	1:D:138:ILE:HG23	1:D:139:ASP:HB3	18	0.12
(2,1367)	1:C:138:ILE:HG22	1:C:139:ASP:HB3	18	0.12
(2,1367)	1:C:138:ILE:HG21	1:C:139:ASP:HB3	18	0.12
(2,1367)	1:C:138:ILE:HG23	1:C:139:ASP:HB3	18	0.12
(2,1366)	1:B:138:ILE:HG22	1:B:139:ASP:HB3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1366)	1:B:138:ILE:HG21	1:B:139:ASP:HB3	18	0.12
(2,1366)	1:B:138:ILE:HG23	1:B:139:ASP:HB3	18	0.12
(2,1365)	1:A:138:ILE:HG22	1:A:139:ASP:HB3	18	0.12
(2,1365)	1:A:138:ILE:HG21	1:A:139:ASP:HB3	18	0.12
(2,1365)	1:A:138:ILE:HG23	1:A:139:ASP:HB3	18	0.12
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG22	14	0.12
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG21	14	0.12
(2,1315)	1:C:148:MET:HE2	1:D:153:VAL:HG23	14	0.12
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG22	14	0.12
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG21	14	0.12
(2,1315)	1:C:148:MET:HE1	1:D:153:VAL:HG23	14	0.12
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG22	14	0.12
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG21	14	0.12
(2,1315)	1:C:148:MET:HE3	1:D:153:VAL:HG23	14	0.12
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	14	0.12
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	14	0.12
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	14	0.12
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	14	0.12
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	14	0.12
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	14	0.12
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	14	0.12
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	14	0.12
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	14	0.12
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG22	18	0.12
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG21	18	0.12
(2,1314)	1:B:148:MET:HE2	1:C:153:VAL:HG23	18	0.12
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG22	18	0.12
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG21	18	0.12
(2,1314)	1:B:148:MET:HE1	1:C:153:VAL:HG23	18	0.12
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG22	18	0.12
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG21	18	0.12
(2,1314)	1:B:148:MET:HE3	1:C:153:VAL:HG23	18	0.12
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	14	0.12
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	14	0.12
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	14	0.12
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	14	0.12
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	14	0.12
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	14	0.12
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	14	0.12
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	14	0.12
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	14	0.12
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG21	3	0.12
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG23	3	0.12
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG22	3	0.12
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG21	3	0.12
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG23	3	0.12
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG22	3	0.12
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG21	3	0.12
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG23	3	0.12
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG22	3	0.12
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG21	3	0.12
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG23	3	0.12
(2,1012)	1:D:127:THR:HA	1:D:130:ASN:HB2	11	0.12
(2,1011)	1:C:127:THR:HA	1:C:130:ASN:HB2	12	0.12
(2,1010)	1:B:127:THR:HA	1:B:130:ASN:HB2	11	0.12
(2,1010)	1:B:127:THR:HA	1:B:130:ASN:HB2	12	0.12
(2,1009)	1:A:127:THR:HA	1:A:130:ASN:HB2	12	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD12	7	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD11	7	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD13	7	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD12	7	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD11	7	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD13	7	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD12	7	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD11	7	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD13	7	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD12	9	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD11	9	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD13	9	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD12	9	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD11	9	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD13	9	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD12	9	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD11	9	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD13	9	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD12	11	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD11	11	0.12
(2,1008)	1:D:132:THR:HG21	1:D:135:LEU:HD13	11	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD12	11	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD11	11	0.12
(2,1008)	1:D:132:THR:HG22	1:D:135:LEU:HD13	11	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD12	11	0.12
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD11	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1008)	1:D:132:THR:HG23	1:D:135:LEU:HD13	11	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD12	7	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD11	7	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD13	7	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD12	7	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD11	7	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD13	7	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD12	7	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD11	7	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD13	7	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD12	9	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD11	9	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD13	9	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD12	9	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD11	9	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD13	9	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD12	9	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD11	9	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD13	9	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD12	11	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD11	11	0.12
(2,1007)	1:C:132:THR:HG21	1:C:135:LEU:HD13	11	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD12	11	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD11	11	0.12
(2,1007)	1:C:132:THR:HG22	1:C:135:LEU:HD13	11	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD12	11	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD11	11	0.12
(2,1007)	1:C:132:THR:HG23	1:C:135:LEU:HD13	11	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD12	7	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD11	7	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD13	7	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD12	7	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD11	7	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD13	7	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD12	7	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD11	7	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD13	7	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD12	9	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD11	9	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD13	9	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD12	9	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD11	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD13	9	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD12	9	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD11	9	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD13	9	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD12	11	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD11	11	0.12
(2,1006)	1:B:132:THR:HG21	1:B:135:LEU:HD13	11	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD12	11	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD11	11	0.12
(2,1006)	1:B:132:THR:HG22	1:B:135:LEU:HD13	11	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD12	11	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD11	11	0.12
(2,1006)	1:B:132:THR:HG23	1:B:135:LEU:HD13	11	0.12
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD12	9	0.12
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD11	9	0.12
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD13	9	0.12
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD12	9	0.12
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD11	9	0.12
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD13	9	0.12
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD12	9	0.12
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD11	9	0.12
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD13	9	0.12
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD12	11	0.12
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD11	11	0.12
(2,1005)	1:A:132:THR:HG21	1:A:135:LEU:HD13	11	0.12
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD12	11	0.12
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD11	11	0.12
(2,1005)	1:A:132:THR:HG22	1:A:135:LEU:HD13	11	0.12
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD12	11	0.12
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD11	11	0.12
(2,1005)	1:A:132:THR:HG23	1:A:135:LEU:HD13	11	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG22	8	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG21	8	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG23	8	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG22	8	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG21	8	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG23	8	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG22	10	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG21	10	0.12
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG23	10	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG22	10	0.12
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG21	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG23	10	0.12
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG22	2	0.12
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG21	2	0.12
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG23	2	0.12
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG22	2	0.12
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG21	2	0.12
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG23	2	0.12
(1,7)	1:C:160:THR:HG21	1:B:159:PRO:HB2	5	0.12
(1,7)	1:C:160:THR:HG22	1:B:159:PRO:HB2	5	0.12
(1,7)	1:C:160:THR:HG23	1:B:159:PRO:HB2	5	0.12
(1,7)	1:C:160:THR:HG21	1:D:159:PRO:HB2	5	0.12
(1,7)	1:C:160:THR:HG22	1:D:159:PRO:HB2	5	0.12
(1,7)	1:C:160:THR:HG23	1:D:159:PRO:HB2	5	0.12
(1,664)	1:D:142:LEU:HD22	1:A:141:LYS:HB3	18	0.12
(1,664)	1:D:142:LEU:HD21	1:A:141:LYS:HB3	18	0.12
(1,664)	1:D:142:LEU:HD23	1:A:141:LYS:HB3	18	0.12
(1,664)	1:D:142:LEU:HD22	1:C:141:LYS:HB3	18	0.12
(1,664)	1:D:142:LEU:HD21	1:C:141:LYS:HB3	18	0.12
(1,664)	1:D:142:LEU:HD23	1:C:141:LYS:HB3	18	0.12
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	1	0.12
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	1	0.12
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	1	0.12
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	1	0.12
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	1	0.12
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	1	0.12
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	17	0.12
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	17	0.12
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	17	0.12
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	17	0.12
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	17	0.12
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	17	0.12
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	20	0.12
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	20	0.12
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	20	0.12
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	20	0.12
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	20	0.12
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	20	0.12
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	17	0.12
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	17	0.12
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	17	0.12
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	17	0.12
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	17	0.12
(1,6)	1:B:160:THR:HG21	1:A:159:PRO:HB2	5	0.12
(1,6)	1:B:160:THR:HG22	1:A:159:PRO:HB2	5	0.12
(1,6)	1:B:160:THR:HG23	1:A:159:PRO:HB2	5	0.12
(1,6)	1:B:160:THR:HG21	1:C:159:PRO:HB2	5	0.12
(1,6)	1:B:160:THR:HG22	1:C:159:PRO:HB2	5	0.12
(1,6)	1:B:160:THR:HG23	1:C:159:PRO:HB2	5	0.12
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	20	0.12
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	20	0.12
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	20	0.12
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	20	0.12
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	20	0.12
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	20	0.12
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	3	0.12
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	3	0.12
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	3	0.12
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	3	0.12
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	3	0.12
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	3	0.12
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	13	0.12
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	13	0.12
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	13	0.12
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	13	0.12
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	13	0.12
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	13	0.12
(1,527)	1:C:132:THR:HG21	1:B:129:ASP:HA	16	0.12
(1,527)	1:C:132:THR:HG22	1:B:129:ASP:HA	16	0.12
(1,527)	1:C:132:THR:HG23	1:B:129:ASP:HA	16	0.12
(1,527)	1:C:132:THR:HG21	1:D:129:ASP:HA	16	0.12
(1,527)	1:C:132:THR:HG22	1:D:129:ASP:HA	16	0.12
(1,527)	1:C:132:THR:HG23	1:D:129:ASP:HA	16	0.12
(1,525)	1:A:132:THR:HG21	1:D:129:ASP:HA	13	0.12
(1,525)	1:A:132:THR:HG22	1:D:129:ASP:HA	13	0.12
(1,525)	1:A:132:THR:HG23	1:D:129:ASP:HA	13	0.12
(1,525)	1:A:132:THR:HG21	1:B:129:ASP:HA	13	0.12
(1,525)	1:A:132:THR:HG22	1:B:129:ASP:HA	13	0.12
(1,525)	1:A:132:THR:HG23	1:B:129:ASP:HA	13	0.12
(1,467)	1:C:155:ALA:HB2	1:D:156:SER:HA	3	0.12
(1,467)	1:C:155:ALA:HB1	1:D:156:SER:HA	3	0.12
(1,467)	1:C:155:ALA:HB3	1:D:156:SER:HA	3	0.12
(1,467)	1:C:155:ALA:HB2	1:B:156:SER:HA	3	0.12
(1,467)	1:C:155:ALA:HB1	1:B:156:SER:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:C:155:ALA:HB3	1:B:156:SER:HA	3	0.12
(1,466)	1:B:155:ALA:HB2	1:C:156:SER:HA	3	0.12
(1,466)	1:B:155:ALA:HB1	1:C:156:SER:HA	3	0.12
(1,466)	1:B:155:ALA:HB3	1:C:156:SER:HA	3	0.12
(1,466)	1:B:155:ALA:HB2	1:A:156:SER:HA	3	0.12
(1,466)	1:B:155:ALA:HB1	1:A:156:SER:HA	3	0.12
(1,466)	1:B:155:ALA:HB3	1:A:156:SER:HA	3	0.12
(1,465)	1:A:155:ALA:HB2	1:B:156:SER:HA	3	0.12
(1,465)	1:A:155:ALA:HB1	1:B:156:SER:HA	3	0.12
(1,465)	1:A:155:ALA:HB3	1:B:156:SER:HA	3	0.12
(1,465)	1:A:155:ALA:HB2	1:D:156:SER:HA	3	0.12
(1,465)	1:A:155:ALA:HB1	1:D:156:SER:HA	3	0.12
(1,465)	1:A:155:ALA:HB3	1:D:156:SER:HA	3	0.12
(1,464)	1:D:138:ILE:HD12	1:A:134:ARG:HA	15	0.12
(1,464)	1:D:138:ILE:HD11	1:A:134:ARG:HA	15	0.12
(1,464)	1:D:138:ILE:HD13	1:A:134:ARG:HA	15	0.12
(1,464)	1:D:138:ILE:HD12	1:C:134:ARG:HA	15	0.12
(1,464)	1:D:138:ILE:HD11	1:C:134:ARG:HA	15	0.12
(1,464)	1:D:138:ILE:HD13	1:C:134:ARG:HA	15	0.12
(1,463)	1:C:138:ILE:HD12	1:D:134:ARG:HA	15	0.12
(1,463)	1:C:138:ILE:HD11	1:D:134:ARG:HA	15	0.12
(1,463)	1:C:138:ILE:HD13	1:D:134:ARG:HA	15	0.12
(1,463)	1:C:138:ILE:HD12	1:B:134:ARG:HA	15	0.12
(1,463)	1:C:138:ILE:HD11	1:B:134:ARG:HA	15	0.12
(1,463)	1:C:138:ILE:HD13	1:B:134:ARG:HA	15	0.12
(1,462)	1:B:138:ILE:HD12	1:C:134:ARG:HA	15	0.12
(1,462)	1:B:138:ILE:HD11	1:C:134:ARG:HA	15	0.12
(1,462)	1:B:138:ILE:HD13	1:C:134:ARG:HA	15	0.12
(1,462)	1:B:138:ILE:HD12	1:A:134:ARG:HA	15	0.12
(1,462)	1:B:138:ILE:HD11	1:A:134:ARG:HA	15	0.12
(1,462)	1:B:138:ILE:HD13	1:A:134:ARG:HA	15	0.12
(1,461)	1:A:138:ILE:HD12	1:B:134:ARG:HA	15	0.12
(1,461)	1:A:138:ILE:HD11	1:B:134:ARG:HA	15	0.12
(1,461)	1:A:138:ILE:HD13	1:B:134:ARG:HA	15	0.12
(1,461)	1:A:138:ILE:HD12	1:D:134:ARG:HA	15	0.12
(1,461)	1:A:138:ILE:HD11	1:D:134:ARG:HA	15	0.12
(1,461)	1:A:138:ILE:HD13	1:D:134:ARG:HA	15	0.12
(1,455)	1:C:138:ILE:HD12	1:D:137:ARG:HB2	19	0.12
(1,455)	1:C:138:ILE:HD11	1:D:137:ARG:HB2	19	0.12
(1,455)	1:C:138:ILE:HD13	1:D:137:ARG:HB2	19	0.12
(1,455)	1:C:138:ILE:HD12	1:B:137:ARG:HB2	19	0.12
(1,455)	1:C:138:ILE:HD11	1:B:137:ARG:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:C:138:ILE:HD13	1:B:137:ARG:HB2	19	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG12	4	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG11	4	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG13	4	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG12	4	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG11	4	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG13	4	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG12	5	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG11	5	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG13	5	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG12	5	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG11	5	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG13	5	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG12	9	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG11	9	0.12
(1,40)	1:D:156:SER:HB2	1:C:153:VAL:HG13	9	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG12	9	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG11	9	0.12
(1,40)	1:D:156:SER:HB2	1:A:153:VAL:HG13	9	0.12
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HB3	18	0.12
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HB3	18	0.12
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HB3	18	0.12
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD22	1:D:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD21	1:D:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD23	1:D:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD22	1:A:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD21	1:A:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD23	1:A:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE1	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:C:142:LEU:HD22	1:B:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD21	1:B:148:MET:HE3	18	0.12
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE2	18	0.12
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE1	18	0.12
(1,399)	1:C:142:LEU:HD23	1:B:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HB3	18	0.12
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HB3	18	0.12
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HB3	18	0.12
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD22	1:C:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD21	1:C:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD23	1:C:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD22	1:D:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD21	1:D:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD23	1:D:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD22	1:A:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD21	1:A:148:MET:HE3	18	0.12
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE2	18	0.12
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE1	18	0.12
(1,398)	1:B:142:LEU:HD23	1:A:148:MET:HE3	18	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG12	4	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG11	4	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG13	4	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG12	4	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG11	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG13	4	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG12	9	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG11	9	0.12
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG13	9	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG12	9	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG11	9	0.12
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG13	9	0.12
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG12	5	0.12
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG11	5	0.12
(1,37)	1:A:156:SER:HB2	1:D:153:VAL:HG13	5	0.12
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG12	5	0.12
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG11	5	0.12
(1,37)	1:A:156:SER:HB2	1:B:153:VAL:HG13	5	0.12
(1,356)	1:D:145:ILE:HD12	1:A:141:LYS:HD3	4	0.12
(1,356)	1:D:145:ILE:HD11	1:A:141:LYS:HD3	4	0.12
(1,356)	1:D:145:ILE:HD13	1:A:141:LYS:HD3	4	0.12
(1,356)	1:D:145:ILE:HD12	1:C:141:LYS:HD3	4	0.12
(1,356)	1:D:145:ILE:HD11	1:C:141:LYS:HD3	4	0.12
(1,356)	1:D:145:ILE:HD13	1:C:141:LYS:HD3	4	0.12
(1,355)	1:C:145:ILE:HD12	1:D:141:LYS:HD3	4	0.12
(1,355)	1:C:145:ILE:HD11	1:D:141:LYS:HD3	4	0.12
(1,355)	1:C:145:ILE:HD13	1:D:141:LYS:HD3	4	0.12
(1,355)	1:C:145:ILE:HD12	1:B:141:LYS:HD3	4	0.12
(1,355)	1:C:145:ILE:HD11	1:B:141:LYS:HD3	4	0.12
(1,355)	1:C:145:ILE:HD13	1:B:141:LYS:HD3	4	0.12
(1,353)	1:A:145:ILE:HD12	1:B:141:LYS:HD3	4	0.12
(1,353)	1:A:145:ILE:HD11	1:B:141:LYS:HD3	4	0.12
(1,353)	1:A:145:ILE:HD13	1:B:141:LYS:HD3	4	0.12
(1,353)	1:A:145:ILE:HD12	1:D:141:LYS:HD3	4	0.12
(1,353)	1:A:145:ILE:HD11	1:D:141:LYS:HD3	4	0.12
(1,353)	1:A:145:ILE:HD13	1:D:141:LYS:HD3	4	0.12
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	1	0.12
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	1	0.12
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	1	0.12
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	1	0.12
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	13	0.12
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	13	0.12
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	19	0.12
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	19	0.12
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	1	0.12
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	1	0.12
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	5	0.12
(1,29)	1:A:159:PRO:HD3	1:D:158:GLY:HA3	13	0.12
(1,29)	1:A:159:PRO:HD3	1:B:158:GLY:HA3	13	0.12
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG22	12	0.12
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG21	12	0.12
(1,259)	1:C:148:MET:HE2	1:D:145:ILE:HG23	12	0.12
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG22	12	0.12
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG21	12	0.12
(1,259)	1:C:148:MET:HE1	1:D:145:ILE:HG23	12	0.12
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG22	12	0.12
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG21	12	0.12
(1,259)	1:C:148:MET:HE3	1:D:145:ILE:HG23	12	0.12
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG22	12	0.12
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG21	12	0.12
(1,259)	1:C:148:MET:HE2	1:B:145:ILE:HG23	12	0.12
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG22	12	0.12
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG21	12	0.12
(1,259)	1:C:148:MET:HE1	1:B:145:ILE:HG23	12	0.12
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG22	12	0.12
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG21	12	0.12
(1,259)	1:C:148:MET:HE3	1:B:145:ILE:HG23	12	0.12
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG22	12	0.12
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG21	12	0.12
(1,258)	1:B:148:MET:HE2	1:C:145:ILE:HG23	12	0.12
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG22	12	0.12
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG21	12	0.12
(1,258)	1:B:148:MET:HE1	1:C:145:ILE:HG23	12	0.12
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG22	12	0.12
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG21	12	0.12
(1,258)	1:B:148:MET:HE3	1:C:145:ILE:HG23	12	0.12
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG22	12	0.12
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG21	12	0.12
(1,258)	1:B:148:MET:HE2	1:A:145:ILE:HG23	12	0.12
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG22	12	0.12
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG21	12	0.12
(1,258)	1:B:148:MET:HE1	1:A:145:ILE:HG23	12	0.12
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG22	12	0.12
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG21	12	0.12
(1,258)	1:B:148:MET:HE3	1:A:145:ILE:HG23	12	0.12
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG22	12	0.12
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG21	12	0.12
(1,257)	1:A:148:MET:HE2	1:B:145:ILE:HG23	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG22	12	0.12
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG21	12	0.12
(1,257)	1:A:148:MET:HE1	1:B:145:ILE:HG23	12	0.12
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG22	12	0.12
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG21	12	0.12
(1,257)	1:A:148:MET:HE3	1:B:145:ILE:HG23	12	0.12
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG22	12	0.12
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG21	12	0.12
(1,257)	1:A:148:MET:HE2	1:D:145:ILE:HG23	12	0.12
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG22	12	0.12
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG21	12	0.12
(1,257)	1:A:148:MET:HE1	1:D:145:ILE:HG23	12	0.12
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG22	12	0.12
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG21	12	0.12
(1,257)	1:A:148:MET:HE3	1:D:145:ILE:HG23	12	0.12
(1,164)	1:D:152:LEU:HD22	1:A:155:ALA:HA	17	0.12
(1,164)	1:D:152:LEU:HD21	1:A:155:ALA:HA	17	0.12
(1,164)	1:D:152:LEU:HD23	1:A:155:ALA:HA	17	0.12
(1,164)	1:D:152:LEU:HD22	1:C:155:ALA:HA	17	0.12
(1,164)	1:D:152:LEU:HD21	1:C:155:ALA:HA	17	0.12
(1,164)	1:D:152:LEU:HD23	1:C:155:ALA:HA	17	0.12
(1,161)	1:A:152:LEU:HD22	1:B:155:ALA:HA	17	0.12
(1,161)	1:A:152:LEU:HD21	1:B:155:ALA:HA	17	0.12
(1,161)	1:A:152:LEU:HD23	1:B:155:ALA:HA	17	0.12
(1,161)	1:A:152:LEU:HD22	1:D:155:ALA:HA	17	0.12
(1,161)	1:A:152:LEU:HD21	1:D:155:ALA:HA	17	0.12
(1,161)	1:A:152:LEU:HD23	1:D:155:ALA:HA	17	0.12
(1,16)	1:D:160:THR:HG21	1:A:160:THR:HB	17	0.12
(1,16)	1:D:160:THR:HG22	1:A:160:THR:HB	17	0.12
(1,16)	1:D:160:THR:HG23	1:A:160:THR:HB	17	0.12
(1,16)	1:D:160:THR:HG21	1:C:160:THR:HB	17	0.12
(1,16)	1:D:160:THR:HG22	1:C:160:THR:HB	17	0.12
(1,16)	1:D:160:THR:HG23	1:C:160:THR:HB	17	0.12
(1,151)	1:C:145:ILE:HG22	1:D:146:LEU:HA	7	0.12
(1,151)	1:C:145:ILE:HG21	1:D:146:LEU:HA	7	0.12
(1,151)	1:C:145:ILE:HG23	1:D:146:LEU:HA	7	0.12
(1,151)	1:C:145:ILE:HG22	1:B:146:LEU:HA	7	0.12
(1,151)	1:C:145:ILE:HG21	1:B:146:LEU:HA	7	0.12
(1,151)	1:C:145:ILE:HG23	1:B:146:LEU:HA	7	0.12
(1,151)	1:C:145:ILE:HG22	1:D:146:LEU:HA	12	0.12
(1,151)	1:C:145:ILE:HG21	1:D:146:LEU:HA	12	0.12
(1,151)	1:C:145:ILE:HG23	1:D:146:LEU:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:C:145:ILE:HG22	1:B:146:LEU:HA	12	0.12
(1,151)	1:C:145:ILE:HG21	1:B:146:LEU:HA	12	0.12
(1,151)	1:C:145:ILE:HG23	1:B:146:LEU:HA	12	0.12
(1,150)	1:B:145:ILE:HG22	1:C:146:LEU:HA	12	0.12
(1,150)	1:B:145:ILE:HG21	1:C:146:LEU:HA	12	0.12
(1,150)	1:B:145:ILE:HG23	1:C:146:LEU:HA	12	0.12
(1,150)	1:B:145:ILE:HG22	1:A:146:LEU:HA	12	0.12
(1,150)	1:B:145:ILE:HG21	1:A:146:LEU:HA	12	0.12
(1,150)	1:B:145:ILE:HG23	1:A:146:LEU:HA	12	0.12
(1,149)	1:A:145:ILE:HG22	1:B:146:LEU:HA	7	0.12
(1,149)	1:A:145:ILE:HG21	1:B:146:LEU:HA	7	0.12
(1,149)	1:A:145:ILE:HG23	1:B:146:LEU:HA	7	0.12
(1,149)	1:A:145:ILE:HG22	1:D:146:LEU:HA	7	0.12
(1,149)	1:A:145:ILE:HG21	1:D:146:LEU:HA	7	0.12
(1,149)	1:A:145:ILE:HG23	1:D:146:LEU:HA	7	0.12
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD12	18	0.11
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD11	18	0.11
(2,932)	1:D:142:LEU:HG	1:D:145:ILE:HD13	18	0.11
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD12	18	0.11
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD11	18	0.11
(2,931)	1:C:142:LEU:HG	1:C:145:ILE:HD13	18	0.11
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD12	18	0.11
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD11	18	0.11
(2,930)	1:B:142:LEU:HG	1:B:145:ILE:HD13	18	0.11
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD12	18	0.11
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD11	18	0.11
(2,929)	1:A:142:LEU:HG	1:A:145:ILE:HD13	18	0.11
(2,88)	1:D:156:SER:HA	1:D:155:ALA:HB2	20	0.11
(2,88)	1:D:156:SER:HA	1:D:155:ALA:HB1	20	0.11
(2,88)	1:D:156:SER:HA	1:D:155:ALA:HB3	20	0.11
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	11	0.11
(2,876)	1:D:152:LEU:HB2	1:D:149:LEU:HA	12	0.11
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	8	0.11
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	11	0.11
(2,875)	1:C:152:LEU:HB2	1:C:149:LEU:HA	12	0.11
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	11	0.11
(2,874)	1:B:152:LEU:HB2	1:B:149:LEU:HA	12	0.11
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	4	0.11
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	8	0.11
(2,873)	1:A:152:LEU:HB2	1:A:149:LEU:HA	11	0.11
(2,87)	1:C:156:SER:HA	1:C:155:ALA:HB2	20	0.11
(2,87)	1:C:156:SER:HA	1:C:155:ALA:HB1	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,87)	1:C:156:SER:HA	1:C:155:ALA:HB3	20	0.11
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	9	0.11
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	9	0.11
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	9	0.11
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG21	13	0.11
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG22	13	0.11
(2,864)	1:D:148:MET:HA	1:D:151:THR:HG23	13	0.11
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	4	0.11
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	4	0.11
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	4	0.11
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG21	9	0.11
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG22	9	0.11
(2,863)	1:C:148:MET:HA	1:C:151:THR:HG23	9	0.11
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	9	0.11
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	9	0.11
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	9	0.11
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG21	13	0.11
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG22	13	0.11
(2,862)	1:B:148:MET:HA	1:B:151:THR:HG23	13	0.11
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	9	0.11
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	9	0.11
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	9	0.11
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG21	13	0.11
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG22	13	0.11
(2,861)	1:A:148:MET:HA	1:A:151:THR:HG23	13	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB2	8	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB1	8	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB3	8	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB2	20	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB1	20	0.11
(2,86)	1:B:156:SER:HA	1:B:155:ALA:HB3	20	0.11
(2,856)	1:D:154:VAL:HG12	1:D:155:ALA:HB2	3	0.11
(2,856)	1:D:154:VAL:HG12	1:D:155:ALA:HB1	3	0.11
(2,856)	1:D:154:VAL:HG12	1:D:155:ALA:HB3	3	0.11
(2,856)	1:D:154:VAL:HG11	1:D:155:ALA:HB2	3	0.11
(2,856)	1:D:154:VAL:HG11	1:D:155:ALA:HB1	3	0.11
(2,856)	1:D:154:VAL:HG11	1:D:155:ALA:HB3	3	0.11
(2,856)	1:D:154:VAL:HG13	1:D:155:ALA:HB2	3	0.11
(2,856)	1:D:154:VAL:HG13	1:D:155:ALA:HB1	3	0.11
(2,856)	1:D:154:VAL:HG13	1:D:155:ALA:HB3	3	0.11
(2,855)	1:C:154:VAL:HG12	1:C:155:ALA:HB2	3	0.11
(2,855)	1:C:154:VAL:HG12	1:C:155:ALA:HB1	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,855)	1:C:154:VAL:HG12	1:C:155:ALA:HB3	3	0.11
(2,855)	1:C:154:VAL:HG11	1:C:155:ALA:HB2	3	0.11
(2,855)	1:C:154:VAL:HG11	1:C:155:ALA:HB1	3	0.11
(2,855)	1:C:154:VAL:HG11	1:C:155:ALA:HB3	3	0.11
(2,855)	1:C:154:VAL:HG13	1:C:155:ALA:HB2	3	0.11
(2,855)	1:C:154:VAL:HG13	1:C:155:ALA:HB1	3	0.11
(2,855)	1:C:154:VAL:HG13	1:C:155:ALA:HB3	3	0.11
(2,854)	1:B:154:VAL:HG12	1:B:155:ALA:HB2	3	0.11
(2,854)	1:B:154:VAL:HG12	1:B:155:ALA:HB1	3	0.11
(2,854)	1:B:154:VAL:HG12	1:B:155:ALA:HB3	3	0.11
(2,854)	1:B:154:VAL:HG11	1:B:155:ALA:HB2	3	0.11
(2,854)	1:B:154:VAL:HG11	1:B:155:ALA:HB1	3	0.11
(2,854)	1:B:154:VAL:HG11	1:B:155:ALA:HB3	3	0.11
(2,854)	1:B:154:VAL:HG13	1:B:155:ALA:HB2	3	0.11
(2,854)	1:B:154:VAL:HG13	1:B:155:ALA:HB1	3	0.11
(2,854)	1:B:154:VAL:HG13	1:B:155:ALA:HB3	3	0.11
(2,853)	1:A:154:VAL:HG12	1:A:155:ALA:HB2	3	0.11
(2,853)	1:A:154:VAL:HG12	1:A:155:ALA:HB1	3	0.11
(2,853)	1:A:154:VAL:HG12	1:A:155:ALA:HB3	3	0.11
(2,853)	1:A:154:VAL:HG11	1:A:155:ALA:HB2	3	0.11
(2,853)	1:A:154:VAL:HG11	1:A:155:ALA:HB1	3	0.11
(2,853)	1:A:154:VAL:HG11	1:A:155:ALA:HB3	3	0.11
(2,853)	1:A:154:VAL:HG13	1:A:155:ALA:HB2	3	0.11
(2,853)	1:A:154:VAL:HG13	1:A:155:ALA:HB1	3	0.11
(2,853)	1:A:154:VAL:HG13	1:A:155:ALA:HB3	3	0.11
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB2	14	0.11
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB1	14	0.11
(2,852)	1:D:154:VAL:HG22	1:D:157:ALA:HB3	14	0.11
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB2	14	0.11
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB1	14	0.11
(2,852)	1:D:154:VAL:HG21	1:D:157:ALA:HB3	14	0.11
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB2	14	0.11
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB1	14	0.11
(2,852)	1:D:154:VAL:HG23	1:D:157:ALA:HB3	14	0.11
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB2	9	0.11
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB1	9	0.11
(2,851)	1:C:154:VAL:HG22	1:C:157:ALA:HB3	9	0.11
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB2	9	0.11
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB1	9	0.11
(2,851)	1:C:154:VAL:HG21	1:C:157:ALA:HB3	9	0.11
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB2	9	0.11
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:C:154:VAL:HG23	1:C:157:ALA:HB3	9	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	6	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	6	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	6	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	6	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	6	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	6	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	6	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	6	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	6	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	14	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	14	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	14	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	14	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	14	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	14	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	14	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	14	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	14	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB2	15	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB1	15	0.11
(2,850)	1:B:154:VAL:HG22	1:B:157:ALA:HB3	15	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB2	15	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB1	15	0.11
(2,850)	1:B:154:VAL:HG21	1:B:157:ALA:HB3	15	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB2	15	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB1	15	0.11
(2,850)	1:B:154:VAL:HG23	1:B:157:ALA:HB3	15	0.11
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	9	0.11
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	9	0.11
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	9	0.11
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	9	0.11
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	9	0.11
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	9	0.11
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	9	0.11
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	9	0.11
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	9	0.11
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB2	14	0.11
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB1	14	0.11
(2,849)	1:A:154:VAL:HG22	1:A:157:ALA:HB3	14	0.11
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB2	14	0.11
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:A:154:VAL:HG21	1:A:157:ALA:HB3	14	0.11
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB2	14	0.11
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB1	14	0.11
(2,849)	1:A:154:VAL:HG23	1:A:157:ALA:HB3	14	0.11
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB2	20	0.11
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB1	20	0.11
(2,836)	1:D:161:SER:HB3	1:D:162:ALA:HB3	20	0.11
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB2	20	0.11
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB1	20	0.11
(2,835)	1:C:161:SER:HB3	1:C:162:ALA:HB3	20	0.11
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB2	20	0.11
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB1	20	0.11
(2,834)	1:B:161:SER:HB3	1:B:162:ALA:HB3	20	0.11
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB2	20	0.11
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB1	20	0.11
(2,833)	1:A:161:SER:HB3	1:A:162:ALA:HB3	20	0.11
(2,83)	1:C:157:ALA:HB2	1:C:153:VAL:HA	14	0.11
(2,83)	1:C:157:ALA:HB1	1:C:153:VAL:HA	14	0.11
(2,83)	1:C:157:ALA:HB3	1:C:153:VAL:HA	14	0.11
(2,794)	1:B:137:ARG:HG2	1:B:140:GLU:HB2	20	0.11
(2,793)	1:A:137:ARG:HG2	1:A:140:GLU:HB2	20	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	2	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	2	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	2	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	2	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	2	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	2	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	2	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	2	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	2	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	4	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	4	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	4	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	4	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	4	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	4	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	4	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	4	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	4	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	6	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	6	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	6	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	6	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	6	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	6	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	6	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	6	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG21	15	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG22	15	0.11
(2,720)	1:D:152:LEU:HD22	1:D:151:THR:HG23	15	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG21	15	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG22	15	0.11
(2,720)	1:D:152:LEU:HD21	1:D:151:THR:HG23	15	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG21	15	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG22	15	0.11
(2,720)	1:D:152:LEU:HD23	1:D:151:THR:HG23	15	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	4	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	4	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	4	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	4	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	4	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	4	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	4	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	4	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	4	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	5	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	5	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	5	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	5	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	5	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	5	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	5	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	5	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	5	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	6	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	6	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	6	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	6	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	6	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	6	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	6	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	6	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	15	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	15	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	15	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	15	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	15	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	15	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	15	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	15	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	15	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG21	18	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG22	18	0.11
(2,719)	1:C:152:LEU:HD22	1:C:151:THR:HG23	18	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG21	18	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG22	18	0.11
(2,719)	1:C:152:LEU:HD21	1:C:151:THR:HG23	18	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG21	18	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG22	18	0.11
(2,719)	1:C:152:LEU:HD23	1:C:151:THR:HG23	18	0.11
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	2	0.11
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	2	0.11
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	2	0.11
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	2	0.11
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	2	0.11
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	2	0.11
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	2	0.11
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	2	0.11
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	2	0.11
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG21	6	0.11
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG22	6	0.11
(2,718)	1:B:152:LEU:HD22	1:B:151:THR:HG23	6	0.11
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG21	6	0.11
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG22	6	0.11
(2,718)	1:B:152:LEU:HD21	1:B:151:THR:HG23	6	0.11
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG21	6	0.11
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG22	6	0.11
(2,718)	1:B:152:LEU:HD23	1:B:151:THR:HG23	6	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	4	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	4	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	4	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	4	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	4	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	4	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	4	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	4	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	6	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	6	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	6	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	6	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	6	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	6	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	6	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	6	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	6	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG21	15	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG22	15	0.11
(2,717)	1:A:152:LEU:HD22	1:A:151:THR:HG23	15	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG21	15	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG22	15	0.11
(2,717)	1:A:152:LEU:HD21	1:A:151:THR:HG23	15	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG21	15	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG22	15	0.11
(2,717)	1:A:152:LEU:HD23	1:A:151:THR:HG23	15	0.11
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB2	18	0.11
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB1	18	0.11
(2,712)	1:D:154:VAL:HG12	1:D:157:ALA:HB3	18	0.11
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB2	18	0.11
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB1	18	0.11
(2,712)	1:D:154:VAL:HG11	1:D:157:ALA:HB3	18	0.11
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB2	18	0.11
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB1	18	0.11
(2,712)	1:D:154:VAL:HG13	1:D:157:ALA:HB3	18	0.11
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB2	18	0.11
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB1	18	0.11
(2,711)	1:C:154:VAL:HG12	1:C:157:ALA:HB3	18	0.11
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB2	18	0.11
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB1	18	0.11
(2,711)	1:C:154:VAL:HG11	1:C:157:ALA:HB3	18	0.11
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB2	18	0.11
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB1	18	0.11
(2,711)	1:C:154:VAL:HG13	1:C:157:ALA:HB3	18	0.11
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB2	18	0.11
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB1	18	0.11
(2,710)	1:B:154:VAL:HG12	1:B:157:ALA:HB3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB2	18	0.11
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB1	18	0.11
(2,710)	1:B:154:VAL:HG11	1:B:157:ALA:HB3	18	0.11
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB2	18	0.11
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB1	18	0.11
(2,710)	1:B:154:VAL:HG13	1:B:157:ALA:HB3	18	0.11
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	13	0.11
(2,708)	1:D:160:THR:HA	1:D:159:PRO:HB2	16	0.11
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	8	0.11
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	13	0.11
(2,707)	1:C:160:THR:HA	1:C:159:PRO:HB2	16	0.11
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	13	0.11
(2,706)	1:B:160:THR:HA	1:B:159:PRO:HB2	16	0.11
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	13	0.11
(2,705)	1:A:160:THR:HA	1:A:159:PRO:HB2	16	0.11
(2,680)	1:D:152:LEU:HD12	1:D:152:LEU:HB3	17	0.11
(2,680)	1:D:152:LEU:HD11	1:D:152:LEU:HB3	17	0.11
(2,680)	1:D:152:LEU:HD13	1:D:152:LEU:HB3	17	0.11
(2,679)	1:C:152:LEU:HD12	1:C:152:LEU:HB3	17	0.11
(2,679)	1:C:152:LEU:HD11	1:C:152:LEU:HB3	17	0.11
(2,679)	1:C:152:LEU:HD13	1:C:152:LEU:HB3	17	0.11
(2,678)	1:B:152:LEU:HD12	1:B:152:LEU:HB3	17	0.11
(2,678)	1:B:152:LEU:HD11	1:B:152:LEU:HB3	17	0.11
(2,678)	1:B:152:LEU:HD13	1:B:152:LEU:HB3	17	0.11
(2,677)	1:A:152:LEU:HD12	1:A:152:LEU:HB3	17	0.11
(2,677)	1:A:152:LEU:HD11	1:A:152:LEU:HB3	17	0.11
(2,677)	1:A:152:LEU:HD13	1:A:152:LEU:HB3	17	0.11
(2,672)	1:D:152:LEU:HD22	1:D:152:LEU:HB3	4	0.11
(2,672)	1:D:152:LEU:HD21	1:D:152:LEU:HB3	4	0.11
(2,672)	1:D:152:LEU:HD23	1:D:152:LEU:HB3	4	0.11
(2,671)	1:C:152:LEU:HD22	1:C:152:LEU:HB3	4	0.11
(2,671)	1:C:152:LEU:HD21	1:C:152:LEU:HB3	4	0.11
(2,671)	1:C:152:LEU:HD23	1:C:152:LEU:HB3	4	0.11
(2,670)	1:B:152:LEU:HD22	1:B:152:LEU:HB3	4	0.11
(2,670)	1:B:152:LEU:HD21	1:B:152:LEU:HB3	4	0.11
(2,670)	1:B:152:LEU:HD23	1:B:152:LEU:HB3	4	0.11
(2,669)	1:A:152:LEU:HD22	1:A:152:LEU:HB3	4	0.11
(2,669)	1:A:152:LEU:HD21	1:A:152:LEU:HB3	4	0.11
(2,669)	1:A:152:LEU:HD23	1:A:152:LEU:HB3	4	0.11
(2,64)	1:D:159:PRO:HB2	1:D:159:PRO:HD2	2	0.11
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	3	0.11
(2,56)	1:D:159:PRO:HD2	1:D:159:PRO:HB3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:C:159:PRO:HD2	1:C:159:PRO:HB3	3	0.11
(2,548)	1:D:129:ASP:HA	1:D:132:THR:HB	5	0.11
(2,547)	1:C:129:ASP:HA	1:C:132:THR:HB	5	0.11
(2,546)	1:B:129:ASP:HA	1:B:132:THR:HB	5	0.11
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	5	0.11
(2,545)	1:A:129:ASP:HA	1:A:132:THR:HB	8	0.11
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	3	0.11
(2,54)	1:B:159:PRO:HD2	1:B:159:PRO:HB3	11	0.11
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	3	0.11
(2,53)	1:A:159:PRO:HD2	1:A:159:PRO:HB3	11	0.11
(2,52)	1:D:159:PRO:HG2	1:D:159:PRO:HB3	7	0.11
(2,51)	1:C:159:PRO:HG2	1:C:159:PRO:HB3	5	0.11
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	5	0.11
(2,50)	1:B:159:PRO:HG2	1:B:159:PRO:HB3	7	0.11
(2,49)	1:A:159:PRO:HG2	1:A:159:PRO:HB3	7	0.11
(2,440)	1:D:135:LEU:HD12	1:D:135:LEU:HA	3	0.11
(2,440)	1:D:135:LEU:HD11	1:D:135:LEU:HA	3	0.11
(2,440)	1:D:135:LEU:HD13	1:D:135:LEU:HA	3	0.11
(2,44)	1:D:159:PRO:HG2	1:D:159:PRO:HA	13	0.11
(2,439)	1:C:135:LEU:HD12	1:C:135:LEU:HA	3	0.11
(2,439)	1:C:135:LEU:HD11	1:C:135:LEU:HA	3	0.11
(2,439)	1:C:135:LEU:HD13	1:C:135:LEU:HA	3	0.11
(2,438)	1:B:135:LEU:HD12	1:B:135:LEU:HA	3	0.11
(2,438)	1:B:135:LEU:HD11	1:B:135:LEU:HA	3	0.11
(2,438)	1:B:135:LEU:HD13	1:B:135:LEU:HA	3	0.11
(2,437)	1:A:135:LEU:HD12	1:A:135:LEU:HA	3	0.11
(2,437)	1:A:135:LEU:HD11	1:A:135:LEU:HA	3	0.11
(2,437)	1:A:135:LEU:HD13	1:A:135:LEU:HA	3	0.11
(2,43)	1:C:159:PRO:HG2	1:C:159:PRO:HA	13	0.11
(2,42)	1:B:159:PRO:HG2	1:B:159:PRO:HA	13	0.11
(2,41)	1:A:159:PRO:HG2	1:A:159:PRO:HA	13	0.11
(2,363)	1:C:140:GLU:HB3	1:C:137:ARG:HA	10	0.11
(2,362)	1:B:140:GLU:HB3	1:B:137:ARG:HA	10	0.11
(2,361)	1:A:140:GLU:HB3	1:A:137:ARG:HA	10	0.11
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	5	0.11
(2,272)	1:D:146:LEU:HB3	1:D:143:SER:HA	8	0.11
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	1	0.11
(2,271)	1:C:146:LEU:HB3	1:C:143:SER:HA	5	0.11
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	1	0.11
(2,270)	1:B:146:LEU:HB3	1:B:143:SER:HA	5	0.11
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	1	0.11
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	8	0.11
(2,269)	1:A:146:LEU:HB3	1:A:143:SER:HA	9	0.11
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD12	7	0.11
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD11	7	0.11
(2,2443)	1:C:137:ARG:H	1:C:138:ILE:HD13	7	0.11
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD12	7	0.11
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD11	7	0.11
(2,2442)	1:B:137:ARG:H	1:B:138:ILE:HD13	7	0.11
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD12	7	0.11
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD11	7	0.11
(2,2441)	1:A:137:ARG:H	1:A:138:ILE:HD13	7	0.11
(2,2404)	1:D:131:ILE:H	1:D:134:ARG:H	7	0.11
(2,2404)	1:D:131:ILE:H	1:D:134:ARG:H	13	0.11
(2,2403)	1:C:131:ILE:H	1:C:134:ARG:H	7	0.11
(2,2403)	1:C:131:ILE:H	1:C:134:ARG:H	13	0.11
(2,2402)	1:B:131:ILE:H	1:B:134:ARG:H	13	0.11
(2,2401)	1:A:131:ILE:H	1:A:134:ARG:H	7	0.11
(2,2401)	1:A:131:ILE:H	1:A:134:ARG:H	13	0.11
(2,2364)	1:D:137:ARG:H	1:D:137:ARG:HD2	20	0.11
(2,2363)	1:C:137:ARG:H	1:C:137:ARG:HD2	20	0.11
(2,2355)	1:C:139:ASP:H	1:C:135:LEU:HA	9	0.11
(2,2354)	1:B:139:ASP:H	1:B:135:LEU:HA	9	0.11
(2,2353)	1:A:139:ASP:H	1:A:135:LEU:HA	9	0.11
(2,2312)	1:D:142:LEU:H	1:D:141:LYS:HG3	13	0.11
(2,2311)	1:C:142:LEU:H	1:C:141:LYS:HG3	13	0.11
(2,2310)	1:B:142:LEU:H	1:B:141:LYS:HG3	13	0.11
(2,2309)	1:A:142:LEU:H	1:A:141:LYS:HG3	13	0.11
(2,2288)	1:D:145:ILE:H	1:D:145:ILE:HG12	4	0.11
(2,2287)	1:C:145:ILE:H	1:C:145:ILE:HG12	4	0.11
(2,2286)	1:B:145:ILE:H	1:B:145:ILE:HG12	4	0.11
(2,2280)	1:D:146:LEU:H	1:D:142:LEU:HB3	10	0.11
(2,2280)	1:D:146:LEU:H	1:D:142:LEU:HB3	15	0.11
(2,2279)	1:C:146:LEU:H	1:C:142:LEU:HB3	10	0.11
(2,2279)	1:C:146:LEU:H	1:C:142:LEU:HB3	15	0.11
(2,2278)	1:B:146:LEU:H	1:B:142:LEU:HB3	10	0.11
(2,2278)	1:B:146:LEU:H	1:B:142:LEU:HB3	15	0.11
(2,2277)	1:A:146:LEU:H	1:A:142:LEU:HB3	10	0.11
(2,2277)	1:A:146:LEU:H	1:A:142:LEU:HB3	15	0.11
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	9	0.11
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	9	0.11
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	9	0.11
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG22	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG21	18	0.11
(2,2272)	1:D:148:MET:H	1:D:145:ILE:HG23	18	0.11
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG22	18	0.11
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG21	18	0.11
(2,2271)	1:C:148:MET:H	1:C:145:ILE:HG23	18	0.11
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	13	0.11
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	13	0.11
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	13	0.11
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG22	18	0.11
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG21	18	0.11
(2,2270)	1:B:148:MET:H	1:B:145:ILE:HG23	18	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	9	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	9	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	9	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	13	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	13	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	13	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG22	18	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG21	18	0.11
(2,2269)	1:A:148:MET:H	1:A:145:ILE:HG23	18	0.11
(2,2256)	1:D:153:VAL:H	1:D:149:LEU:HB3	19	0.11
(2,2255)	1:C:153:VAL:H	1:C:149:LEU:HB3	19	0.11
(2,2254)	1:B:153:VAL:H	1:B:149:LEU:HB3	19	0.11
(2,2253)	1:A:153:VAL:H	1:A:149:LEU:HB3	19	0.11
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	10	0.11
(2,2249)	1:A:153:VAL:H	1:A:156:SER:HB2	11	0.11
(2,2204)	1:D:158:GLY:H	1:D:157:ALA:HA	1	0.11
(2,2203)	1:C:158:GLY:H	1:C:157:ALA:HA	1	0.11
(2,2202)	1:B:158:GLY:H	1:B:157:ALA:HA	1	0.11
(2,2201)	1:A:158:GLY:H	1:A:157:ALA:HA	1	0.11
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG21	13	0.11
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG22	13	0.11
(2,2120)	1:D:131:ILE:H	1:D:127:THR:HG23	13	0.11
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG21	13	0.11
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG22	13	0.11
(2,2118)	1:B:131:ILE:H	1:B:127:THR:HG23	13	0.11
(2,2044)	1:D:145:ILE:H	1:D:146:LEU:HG	1	0.11
(2,2044)	1:D:145:ILE:H	1:D:146:LEU:HG	8	0.11
(2,2044)	1:D:145:ILE:H	1:D:146:LEU:HG	13	0.11
(2,2044)	1:D:145:ILE:H	1:D:146:LEU:HG	15	0.11
(2,2043)	1:C:145:ILE:H	1:C:146:LEU:HG	8	0.11
(2,2043)	1:C:145:ILE:H	1:C:146:LEU:HG	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2043)	1:C:145:ILE:H	1:C:146:LEU:HG	15	0.11
(2,2042)	1:B:145:ILE:H	1:B:146:LEU:HG	1	0.11
(2,2042)	1:B:145:ILE:H	1:B:146:LEU:HG	2	0.11
(2,2042)	1:B:145:ILE:H	1:B:146:LEU:HG	8	0.11
(2,2042)	1:B:145:ILE:H	1:B:146:LEU:HG	13	0.11
(2,2042)	1:B:145:ILE:H	1:B:146:LEU:HG	15	0.11
(2,2041)	1:A:145:ILE:H	1:A:146:LEU:HG	1	0.11
(2,2041)	1:A:145:ILE:H	1:A:146:LEU:HG	8	0.11
(2,2041)	1:A:145:ILE:H	1:A:146:LEU:HG	15	0.11
(2,1993)	1:A:154:VAL:H	1:A:155:ALA:HB2	8	0.11
(2,1993)	1:A:154:VAL:H	1:A:155:ALA:HB1	8	0.11
(2,1993)	1:A:154:VAL:H	1:A:155:ALA:HB3	8	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG12	3	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG11	3	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG13	3	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG12	20	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG11	20	0.11
(2,1988)	1:D:157:ALA:H	1:D:153:VAL:HG13	20	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG12	3	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG11	3	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG13	3	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG12	20	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG11	20	0.11
(2,1987)	1:C:157:ALA:H	1:C:153:VAL:HG13	20	0.11
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG12	20	0.11
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG11	20	0.11
(2,1986)	1:B:157:ALA:H	1:B:153:VAL:HG13	20	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG12	3	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG11	3	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG13	3	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG12	20	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG11	20	0.11
(2,1985)	1:A:157:ALA:H	1:A:153:VAL:HG13	20	0.11
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	2	0.11
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	2	0.11
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	2	0.11
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD22	6	0.11
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD21	6	0.11
(2,1944)	1:D:143:SER:H	1:D:142:LEU:HD23	6	0.11
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	1	0.11
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	1	0.11
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD22	2	0.11
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD21	2	0.11
(2,1943)	1:C:143:SER:H	1:C:142:LEU:HD23	2	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	1	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	1	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	1	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	2	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	2	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	2	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD22	16	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD21	16	0.11
(2,1942)	1:B:143:SER:H	1:B:142:LEU:HD23	16	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	1	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	1	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	1	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	2	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	2	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	2	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD22	16	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD21	16	0.11
(2,1941)	1:A:143:SER:H	1:A:142:LEU:HD23	16	0.11
(2,1924)	1:D:143:SER:H	1:D:143:SER:HB3	3	0.11
(2,1924)	1:D:143:SER:H	1:D:143:SER:HB3	6	0.11
(2,1924)	1:D:143:SER:H	1:D:143:SER:HB3	12	0.11
(2,1924)	1:D:143:SER:H	1:D:143:SER:HB3	16	0.11
(2,1923)	1:C:143:SER:H	1:C:143:SER:HB3	3	0.11
(2,1923)	1:C:143:SER:H	1:C:143:SER:HB3	6	0.11
(2,1923)	1:C:143:SER:H	1:C:143:SER:HB3	12	0.11
(2,1923)	1:C:143:SER:H	1:C:143:SER:HB3	16	0.11
(2,1922)	1:B:143:SER:H	1:B:143:SER:HB3	6	0.11
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	1	0.11
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	3	0.11
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	6	0.11
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	11	0.11
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	12	0.11
(2,1921)	1:A:143:SER:H	1:A:143:SER:HB3	16	0.11
(2,1600)	1:D:137:ARG:H	1:D:136:ASP:HB2	2	0.11
(2,1599)	1:C:137:ARG:H	1:C:136:ASP:HB2	2	0.11
(2,1599)	1:C:137:ARG:H	1:C:136:ASP:HB2	12	0.11
(2,1598)	1:B:137:ARG:H	1:B:136:ASP:HB2	2	0.11
(2,1504)	1:D:163:ARG:H	1:D:163:ARG:HD2	4	0.11
(2,1503)	1:C:163:ARG:H	1:C:163:ARG:HD2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1502)	1:B:163:ARG:H	1:B:163:ARG:HD2	4	0.11
(2,1402)	1:B:134:ARG:H	1:B:135:LEU:HB3	13	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD22	1	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD21	1	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD23	1	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD22	2	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD21	2	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD23	2	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD22	15	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD21	15	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD23	15	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD22	20	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD21	20	0.11
(2,1388)	1:D:149:LEU:H	1:D:149:LEU:HD23	20	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD22	1	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD21	1	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD23	1	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD22	2	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD21	2	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD23	2	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD22	15	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD21	15	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD23	15	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD22	20	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD21	20	0.11
(2,1387)	1:C:149:LEU:H	1:C:149:LEU:HD23	20	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD22	1	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD21	1	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD23	1	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD22	15	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD21	15	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD23	15	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD22	20	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD21	20	0.11
(2,1386)	1:B:149:LEU:H	1:B:149:LEU:HD23	20	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD22	1	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD21	1	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD23	1	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD22	2	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD21	2	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD23	2	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD22	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD21	15	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD23	15	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD22	20	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD21	20	0.11
(2,1385)	1:A:149:LEU:H	1:A:149:LEU:HD23	20	0.11
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG22	14	0.11
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG21	14	0.11
(2,1316)	1:D:148:MET:HE2	1:A:153:VAL:HG23	14	0.11
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG22	14	0.11
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG21	14	0.11
(2,1316)	1:D:148:MET:HE1	1:A:153:VAL:HG23	14	0.11
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG22	14	0.11
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG21	14	0.11
(2,1316)	1:D:148:MET:HE3	1:A:153:VAL:HG23	14	0.11
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG22	18	0.11
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG21	18	0.11
(2,1313)	1:A:148:MET:HE2	1:B:153:VAL:HG23	18	0.11
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG22	18	0.11
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG21	18	0.11
(2,1313)	1:A:148:MET:HE1	1:B:153:VAL:HG23	18	0.11
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG22	18	0.11
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG21	18	0.11
(2,1313)	1:A:148:MET:HE3	1:B:153:VAL:HG23	18	0.11
(2,1226)	1:B:144:GLU:HG2	1:B:144:GLU:HA	13	0.11
(2,1132)	1:D:136:ASP:HA	1:D:139:ASP:HB2	14	0.11
(2,1131)	1:C:136:ASP:HA	1:C:139:ASP:HB2	14	0.11
(2,1130)	1:B:136:ASP:HA	1:B:139:ASP:HB2	14	0.11
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	14	0.11
(2,1129)	1:A:136:ASP:HA	1:A:139:ASP:HB2	17	0.11
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG22	18	0.11
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG21	18	0.11
(2,1072)	1:D:128:ASN:HA	1:D:131:ILE:HG23	18	0.11
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG22	18	0.11
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG21	18	0.11
(2,1071)	1:C:128:ASN:HA	1:C:131:ILE:HG23	18	0.11
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG22	18	0.11
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG21	18	0.11
(2,1070)	1:B:128:ASN:HA	1:B:131:ILE:HG23	18	0.11
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG22	18	0.11
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG21	18	0.11
(2,1069)	1:A:128:ASN:HA	1:A:131:ILE:HG23	18	0.11
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD12	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD11	13	0.11
(2,1035)	1:C:156:SER:HB2	1:B:152:LEU:HD13	13	0.11
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD12	13	0.11
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD11	13	0.11
(2,1034)	1:B:156:SER:HB2	1:A:152:LEU:HD13	13	0.11
(2,1033)	1:A:156:SER:HB2	1:D:152:LEU:HD12	8	0.11
(2,1033)	1:A:156:SER:HB2	1:D:152:LEU:HD11	8	0.11
(2,1033)	1:A:156:SER:HB2	1:D:152:LEU:HD13	8	0.11
(2,1012)	1:D:127:THR:HA	1:D:130:ASN:HB2	5	0.11
(2,1012)	1:D:127:THR:HA	1:D:130:ASN:HB2	12	0.11
(2,1011)	1:C:127:THR:HA	1:C:130:ASN:HB2	5	0.11
(2,1011)	1:C:127:THR:HA	1:C:130:ASN:HB2	11	0.11
(2,1010)	1:B:127:THR:HA	1:B:130:ASN:HB2	5	0.11
(2,1009)	1:A:127:THR:HA	1:A:130:ASN:HB2	5	0.11
(2,1009)	1:A:127:THR:HA	1:A:130:ASN:HB2	11	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG22	4	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG21	4	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG23	4	0.11
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG22	4	0.11
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG21	4	0.11
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG23	4	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG22	11	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG21	11	0.11
(1,88)	1:D:152:LEU:HG	1:C:153:VAL:HG23	11	0.11
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG22	11	0.11
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG21	11	0.11
(1,88)	1:D:152:LEU:HG	1:A:153:VAL:HG23	11	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG22	2	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG21	2	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG23	2	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG22	2	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG21	2	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG23	2	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG22	4	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG21	4	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG23	4	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG22	4	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG21	4	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG23	4	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG22	8	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG21	8	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG23	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG22	8	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG21	8	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG23	8	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG22	19	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG21	19	0.11
(1,87)	1:C:152:LEU:HG	1:B:153:VAL:HG23	19	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG22	19	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG21	19	0.11
(1,87)	1:C:152:LEU:HG	1:D:153:VAL:HG23	19	0.11
(1,86)	1:B:152:LEU:HG	1:A:153:VAL:HG22	1	0.11
(1,86)	1:B:152:LEU:HG	1:A:153:VAL:HG21	1	0.11
(1,86)	1:B:152:LEU:HG	1:A:153:VAL:HG23	1	0.11
(1,86)	1:B:152:LEU:HG	1:C:153:VAL:HG22	1	0.11
(1,86)	1:B:152:LEU:HG	1:C:153:VAL:HG21	1	0.11
(1,86)	1:B:152:LEU:HG	1:C:153:VAL:HG23	1	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG22	8	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG21	8	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG23	8	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG22	8	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG21	8	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG23	8	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG22	10	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG21	10	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG23	10	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG22	10	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG21	10	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG23	10	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG22	11	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG21	11	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG23	11	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG22	11	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG21	11	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG23	11	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG22	16	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG21	16	0.11
(1,85)	1:A:152:LEU:HG	1:D:153:VAL:HG23	16	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG22	16	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG21	16	0.11
(1,85)	1:A:152:LEU:HG	1:B:153:VAL:HG23	16	0.11
(1,7)	1:C:160:THR:HG21	1:B:159:PRO:HB2	9	0.11
(1,7)	1:C:160:THR:HG22	1:B:159:PRO:HB2	9	0.11
(1,7)	1:C:160:THR:HG23	1:B:159:PRO:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:C:160:THR:HG21	1:D:159:PRO:HB2	9	0.11
(1,7)	1:C:160:THR:HG22	1:D:159:PRO:HB2	9	0.11
(1,7)	1:C:160:THR:HG23	1:D:159:PRO:HB2	9	0.11
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	1	0.11
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	1	0.11
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	1	0.11
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	1	0.11
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	1	0.11
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	1	0.11
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	13	0.11
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	13	0.11
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	13	0.11
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	13	0.11
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	13	0.11
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	13	0.11
(1,652)	1:D:127:THR:HG21	1:C:128:ASN:HA	20	0.11
(1,652)	1:D:127:THR:HG22	1:C:128:ASN:HA	20	0.11
(1,652)	1:D:127:THR:HG23	1:C:128:ASN:HA	20	0.11
(1,652)	1:D:127:THR:HG21	1:A:128:ASN:HA	20	0.11
(1,652)	1:D:127:THR:HG22	1:A:128:ASN:HA	20	0.11
(1,652)	1:D:127:THR:HG23	1:A:128:ASN:HA	20	0.11
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	6	0.11
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	6	0.11
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	6	0.11
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	6	0.11
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	6	0.11
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	6	0.11
(1,651)	1:C:127:THR:HG21	1:B:128:ASN:HA	18	0.11
(1,651)	1:C:127:THR:HG22	1:B:128:ASN:HA	18	0.11
(1,651)	1:C:127:THR:HG23	1:B:128:ASN:HA	18	0.11
(1,651)	1:C:127:THR:HG21	1:D:128:ASN:HA	18	0.11
(1,651)	1:C:127:THR:HG22	1:D:128:ASN:HA	18	0.11
(1,651)	1:C:127:THR:HG23	1:D:128:ASN:HA	18	0.11
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	1	0.11
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	1	0.11
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	1	0.11
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	1	0.11
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	1	0.11
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	1	0.11
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	6	0.11
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	6	0.11
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	6	0.11
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	6	0.11
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	6	0.11
(1,650)	1:B:127:THR:HG21	1:A:128:ASN:HA	18	0.11
(1,650)	1:B:127:THR:HG22	1:A:128:ASN:HA	18	0.11
(1,650)	1:B:127:THR:HG23	1:A:128:ASN:HA	18	0.11
(1,650)	1:B:127:THR:HG21	1:C:128:ASN:HA	18	0.11
(1,650)	1:B:127:THR:HG22	1:C:128:ASN:HA	18	0.11
(1,650)	1:B:127:THR:HG23	1:C:128:ASN:HA	18	0.11
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	1	0.11
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	1	0.11
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	1	0.11
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	1	0.11
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	1	0.11
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	1	0.11
(1,649)	1:A:127:THR:HG21	1:D:128:ASN:HA	20	0.11
(1,649)	1:A:127:THR:HG22	1:D:128:ASN:HA	20	0.11
(1,649)	1:A:127:THR:HG23	1:D:128:ASN:HA	20	0.11
(1,649)	1:A:127:THR:HG21	1:B:128:ASN:HA	20	0.11
(1,649)	1:A:127:THR:HG22	1:B:128:ASN:HA	20	0.11
(1,649)	1:A:127:THR:HG23	1:B:128:ASN:HA	20	0.11
(1,624)	1:D:127:THR:HG21	1:A:127:THR:HA	8	0.11
(1,624)	1:D:127:THR:HG22	1:A:127:THR:HA	8	0.11
(1,624)	1:D:127:THR:HG23	1:A:127:THR:HA	8	0.11
(1,624)	1:D:127:THR:HG21	1:C:127:THR:HA	8	0.11
(1,624)	1:D:127:THR:HG22	1:C:127:THR:HA	8	0.11
(1,624)	1:D:127:THR:HG23	1:C:127:THR:HA	8	0.11
(1,623)	1:C:127:THR:HG21	1:D:127:THR:HA	8	0.11
(1,623)	1:C:127:THR:HG22	1:D:127:THR:HA	8	0.11
(1,623)	1:C:127:THR:HG23	1:D:127:THR:HA	8	0.11
(1,623)	1:C:127:THR:HG21	1:B:127:THR:HA	8	0.11
(1,623)	1:C:127:THR:HG22	1:B:127:THR:HA	8	0.11
(1,623)	1:C:127:THR:HG23	1:B:127:THR:HA	8	0.11
(1,622)	1:B:127:THR:HG21	1:C:127:THR:HA	8	0.11
(1,622)	1:B:127:THR:HG22	1:C:127:THR:HA	8	0.11
(1,622)	1:B:127:THR:HG23	1:C:127:THR:HA	8	0.11
(1,622)	1:B:127:THR:HG21	1:A:127:THR:HA	8	0.11
(1,622)	1:B:127:THR:HG22	1:A:127:THR:HA	8	0.11
(1,622)	1:B:127:THR:HG23	1:A:127:THR:HA	8	0.11
(1,621)	1:A:127:THR:HG21	1:B:127:THR:HA	8	0.11
(1,621)	1:A:127:THR:HG22	1:B:127:THR:HA	8	0.11
(1,621)	1:A:127:THR:HG23	1:B:127:THR:HA	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:A:127:THR:HG21	1:D:127:THR:HA	8	0.11
(1,621)	1:A:127:THR:HG22	1:D:127:THR:HA	8	0.11
(1,621)	1:A:127:THR:HG23	1:D:127:THR:HA	8	0.11
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	3	0.11
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	3	0.11
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	3	0.11
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	3	0.11
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	3	0.11
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	3	0.11
(1,528)	1:D:132:THR:HG21	1:C:129:ASP:HA	13	0.11
(1,528)	1:D:132:THR:HG22	1:C:129:ASP:HA	13	0.11
(1,528)	1:D:132:THR:HG23	1:C:129:ASP:HA	13	0.11
(1,528)	1:D:132:THR:HG21	1:A:129:ASP:HA	13	0.11
(1,528)	1:D:132:THR:HG22	1:A:129:ASP:HA	13	0.11
(1,528)	1:D:132:THR:HG23	1:A:129:ASP:HA	13	0.11
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	2	0.11
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	2	0.11
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	2	0.11
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	2	0.11
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	2	0.11
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	2	0.11
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	3	0.11
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	3	0.11
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	3	0.11
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	3	0.11
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	3	0.11
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	3	0.11
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	8	0.11
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	8	0.11
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	8	0.11
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	8	0.11
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	8	0.11
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	8	0.11
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	11	0.11
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	11	0.11
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	11	0.11
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	11	0.11
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	11	0.11
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	11	0.11
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	13	0.11
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	13	0.11
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	13	0.11
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	13	0.11
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	13	0.11
(1,526)	1:B:132:THR:HG21	1:A:129:ASP:HA	14	0.11
(1,526)	1:B:132:THR:HG22	1:A:129:ASP:HA	14	0.11
(1,526)	1:B:132:THR:HG23	1:A:129:ASP:HA	14	0.11
(1,526)	1:B:132:THR:HG21	1:C:129:ASP:HA	14	0.11
(1,526)	1:B:132:THR:HG22	1:C:129:ASP:HA	14	0.11
(1,526)	1:B:132:THR:HG23	1:C:129:ASP:HA	14	0.11
(1,468)	1:D:155:ALA:HB2	1:A:156:SER:HA	3	0.11
(1,468)	1:D:155:ALA:HB1	1:A:156:SER:HA	3	0.11
(1,468)	1:D:155:ALA:HB3	1:A:156:SER:HA	3	0.11
(1,468)	1:D:155:ALA:HB2	1:C:156:SER:HA	3	0.11
(1,468)	1:D:155:ALA:HB1	1:C:156:SER:HA	3	0.11
(1,468)	1:D:155:ALA:HB3	1:C:156:SER:HA	3	0.11
(1,456)	1:D:138:ILE:HD12	1:A:137:ARG:HB2	19	0.11
(1,456)	1:D:138:ILE:HD11	1:A:137:ARG:HB2	19	0.11
(1,456)	1:D:138:ILE:HD13	1:A:137:ARG:HB2	19	0.11
(1,456)	1:D:138:ILE:HD12	1:C:137:ARG:HB2	19	0.11
(1,456)	1:D:138:ILE:HD11	1:C:137:ARG:HB2	19	0.11
(1,456)	1:D:138:ILE:HD13	1:C:137:ARG:HB2	19	0.11
(1,453)	1:A:138:ILE:HD12	1:B:137:ARG:HB2	19	0.11
(1,453)	1:A:138:ILE:HD11	1:B:137:ARG:HB2	19	0.11
(1,453)	1:A:138:ILE:HD13	1:B:137:ARG:HB2	19	0.11
(1,453)	1:A:138:ILE:HD12	1:D:137:ARG:HB2	19	0.11
(1,453)	1:A:138:ILE:HD11	1:D:137:ARG:HB2	19	0.11
(1,453)	1:A:138:ILE:HD13	1:D:137:ARG:HB2	19	0.11
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HB3	18	0.11
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HB3	18	0.11
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HB3	18	0.11
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD22	1:A:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD21	1:A:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD23	1:A:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD22	1:B:148:MET:HE3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD21	1:B:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD23	1:B:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD22	1:C:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD21	1:C:148:MET:HE3	18	0.11
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE2	18	0.11
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE1	18	0.11
(1,400)	1:D:142:LEU:HD23	1:C:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HB3	18	0.11
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HB3	18	0.11
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HB3	18	0.11
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD22	1:B:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD21	1:B:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD23	1:B:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD22	1:C:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD21	1:C:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD23	1:C:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD22	1:D:148:MET:HE3	18	0.11
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD21	1:D:148:MET:HE3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE2	18	0.11
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE1	18	0.11
(1,397)	1:A:142:LEU:HD23	1:D:148:MET:HE3	18	0.11
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG12	5	0.11
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG11	5	0.11
(1,39)	1:C:156:SER:HB2	1:B:153:VAL:HG13	5	0.11
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG12	5	0.11
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG11	5	0.11
(1,39)	1:C:156:SER:HB2	1:D:153:VAL:HG13	5	0.11
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG12	5	0.11
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG11	5	0.11
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG13	5	0.11
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG12	5	0.11
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG11	5	0.11
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG13	5	0.11
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG12	15	0.11
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG11	15	0.11
(1,38)	1:B:156:SER:HB2	1:A:153:VAL:HG13	15	0.11
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG12	15	0.11
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG11	15	0.11
(1,38)	1:B:156:SER:HB2	1:C:153:VAL:HG13	15	0.11
(1,32)	1:D:159:PRO:HD3	1:C:158:GLY:HA3	11	0.11
(1,32)	1:D:159:PRO:HD3	1:A:158:GLY:HA3	11	0.11
(1,31)	1:C:159:PRO:HD3	1:B:158:GLY:HA3	5	0.11
(1,31)	1:C:159:PRO:HD3	1:D:158:GLY:HA3	5	0.11
(1,163)	1:C:152:LEU:HD22	1:D:155:ALA:HA	12	0.11
(1,163)	1:C:152:LEU:HD21	1:D:155:ALA:HA	12	0.11
(1,163)	1:C:152:LEU:HD23	1:D:155:ALA:HA	12	0.11
(1,163)	1:C:152:LEU:HD22	1:B:155:ALA:HA	12	0.11
(1,163)	1:C:152:LEU:HD21	1:B:155:ALA:HA	12	0.11
(1,163)	1:C:152:LEU:HD23	1:B:155:ALA:HA	12	0.11
(1,163)	1:C:152:LEU:HD22	1:D:155:ALA:HA	17	0.11
(1,163)	1:C:152:LEU:HD21	1:D:155:ALA:HA	17	0.11
(1,163)	1:C:152:LEU:HD23	1:D:155:ALA:HA	17	0.11
(1,163)	1:C:152:LEU:HD22	1:B:155:ALA:HA	17	0.11
(1,163)	1:C:152:LEU:HD21	1:B:155:ALA:HA	17	0.11
(1,163)	1:C:152:LEU:HD23	1:B:155:ALA:HA	17	0.11
(1,152)	1:D:145:ILE:HG22	1:A:146:LEU:HA	7	0.11
(1,152)	1:D:145:ILE:HG21	1:A:146:LEU:HA	7	0.11
(1,152)	1:D:145:ILE:HG23	1:A:146:LEU:HA	7	0.11
(1,152)	1:D:145:ILE:HG22	1:C:146:LEU:HA	7	0.11
(1,152)	1:D:145:ILE:HG21	1:C:146:LEU:HA	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:D:145:ILE:HG23	1:C:146:LEU:HA	7	0.11
(1,152)	1:D:145:ILE:HG22	1:A:146:LEU:HA	12	0.11
(1,152)	1:D:145:ILE:HG21	1:A:146:LEU:HA	12	0.11
(1,152)	1:D:145:ILE:HG23	1:A:146:LEU:HA	12	0.11
(1,152)	1:D:145:ILE:HG22	1:C:146:LEU:HA	12	0.11
(1,152)	1:D:145:ILE:HG21	1:C:146:LEU:HA	12	0.11
(1,152)	1:D:145:ILE:HG23	1:C:146:LEU:HA	12	0.11
(1,151)	1:C:145:ILE:HG22	1:D:146:LEU:HA	19	0.11
(1,151)	1:C:145:ILE:HG21	1:D:146:LEU:HA	19	0.11
(1,151)	1:C:145:ILE:HG23	1:D:146:LEU:HA	19	0.11
(1,151)	1:C:145:ILE:HG22	1:B:146:LEU:HA	19	0.11
(1,151)	1:C:145:ILE:HG21	1:B:146:LEU:HA	19	0.11
(1,151)	1:C:145:ILE:HG23	1:B:146:LEU:HA	19	0.11
(1,150)	1:B:145:ILE:HG22	1:C:146:LEU:HA	7	0.11
(1,150)	1:B:145:ILE:HG21	1:C:146:LEU:HA	7	0.11
(1,150)	1:B:145:ILE:HG23	1:C:146:LEU:HA	7	0.11
(1,150)	1:B:145:ILE:HG22	1:A:146:LEU:HA	7	0.11
(1,150)	1:B:145:ILE:HG21	1:A:146:LEU:HA	7	0.11
(1,150)	1:B:145:ILE:HG23	1:A:146:LEU:HA	7	0.11
(1,149)	1:A:145:ILE:HG22	1:B:146:LEU:HA	12	0.11
(1,149)	1:A:145:ILE:HG21	1:B:146:LEU:HA	12	0.11
(1,149)	1:A:145:ILE:HG23	1:B:146:LEU:HA	12	0.11
(1,149)	1:A:145:ILE:HG22	1:D:146:LEU:HA	12	0.11
(1,149)	1:A:145:ILE:HG21	1:D:146:LEU:HA	12	0.11
(1,149)	1:A:145:ILE:HG23	1:D:146:LEU:HA	12	0.11
(1,120)	1:D:154:VAL:HG22	1:C:148:MET:HG3	9	0.11
(1,120)	1:D:154:VAL:HG21	1:C:148:MET:HG3	9	0.11
(1,120)	1:D:154:VAL:HG23	1:C:148:MET:HG3	9	0.11
(1,120)	1:D:154:VAL:HG22	1:A:148:MET:HG3	9	0.11
(1,120)	1:D:154:VAL:HG21	1:A:148:MET:HG3	9	0.11
(1,120)	1:D:154:VAL:HG23	1:A:148:MET:HG3	9	0.11

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

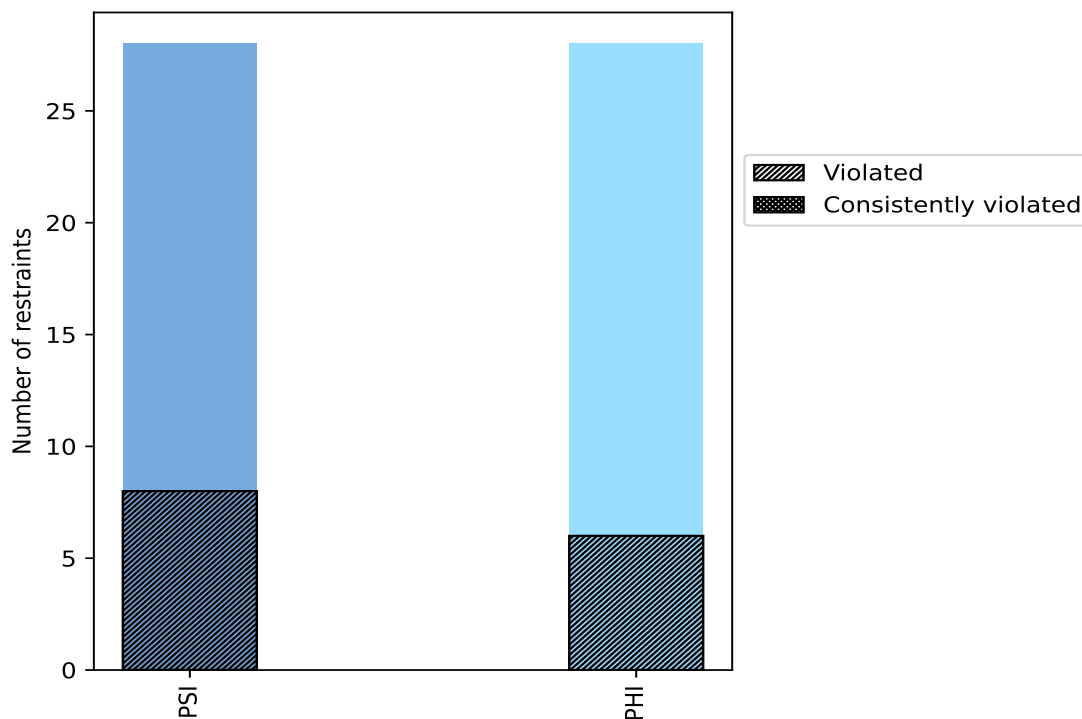
10.1 Summary of dihedral-angle violations [i](#)

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	28	50.0	8	28.6	14.3	0	0.0	0.0
PHI	28	50.0	6	21.4	10.7	0	0.0	0.0
Total	56	100.0	14	25.0	25.0	0	0.0	0.0

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

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



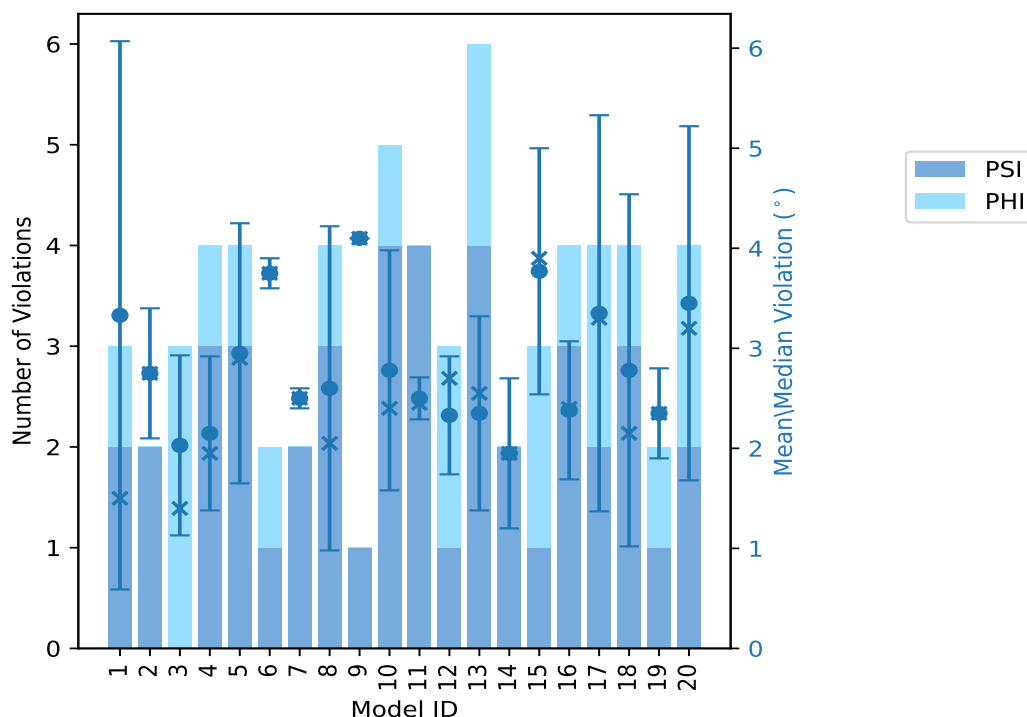
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	2	1	3	3.33	7.2	2.74	1.5
2	2	0	2	2.75	3.4	0.65	2.75
3	0	3	3	2.03	3.3	0.9	1.4
4	3	1	4	2.15	3.3	0.77	1.95
5	3	1	4	2.95	4.7	1.3	2.9
6	1	1	2	3.75	3.9	0.15	3.75
7	2	0	2	2.5	2.6	0.1	2.5
8	3	1	4	2.6	5.2	1.62	2.05
9	1	0	1	4.1	4.1	0.0	4.1
10	4	1	5	2.78	4.3	1.2	2.4
11	4	0	4	2.5	2.8	0.21	2.45
12	1	2	3	2.33	2.8	0.59	2.7
13	4	2	6	2.35	3.7	0.97	2.55
14	2	0	2	1.95	2.7	0.75	1.95
15	1	2	3	3.77	5.2	1.23	3.9
16	3	1	4	2.38	3.3	0.69	2.4
17	2	2	4	3.35	5.7	1.98	3.3
18	3	1	4	2.78	5.6	1.76	2.15
19	1	1	2	2.35	2.8	0.45	2.35
20	2	2	4	3.45	6.1	1.77	3.2

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



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

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

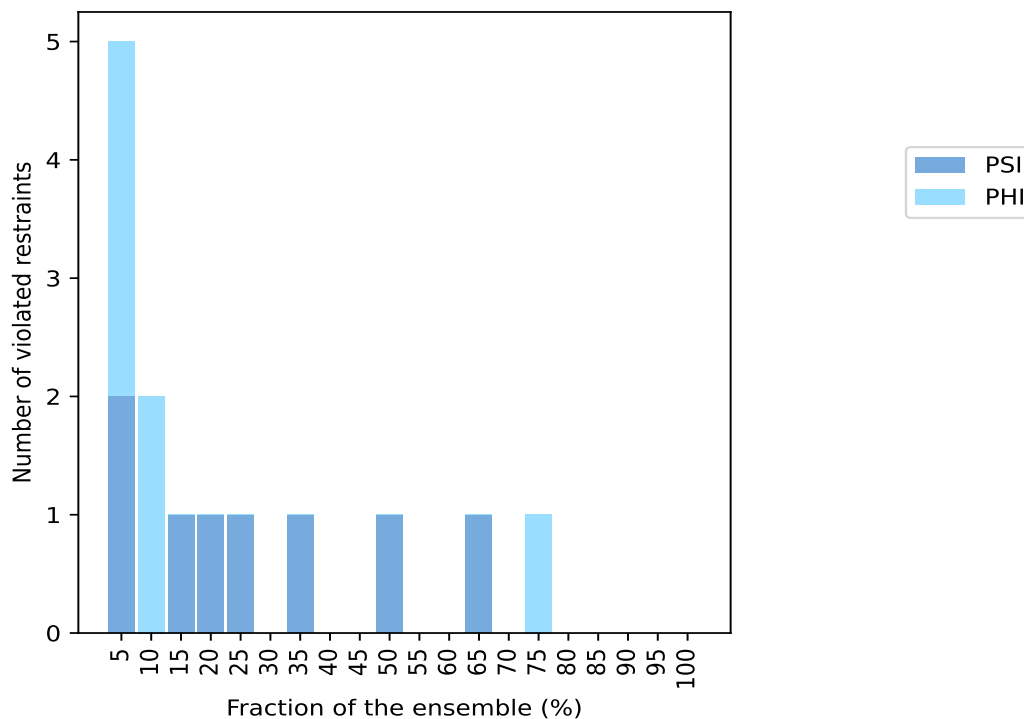
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
0	0	0	12	60.0
1	0	1	13	65.0
0	0	0	14	70.0
0	1	1	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

¹ Number of models with violations

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

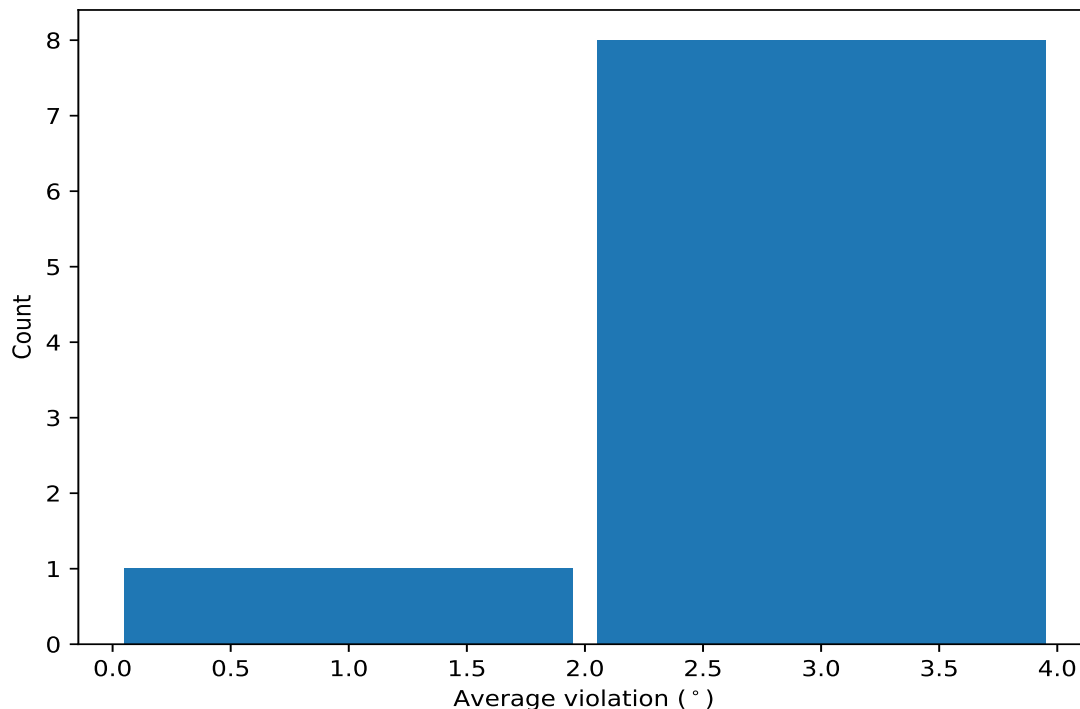


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

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.

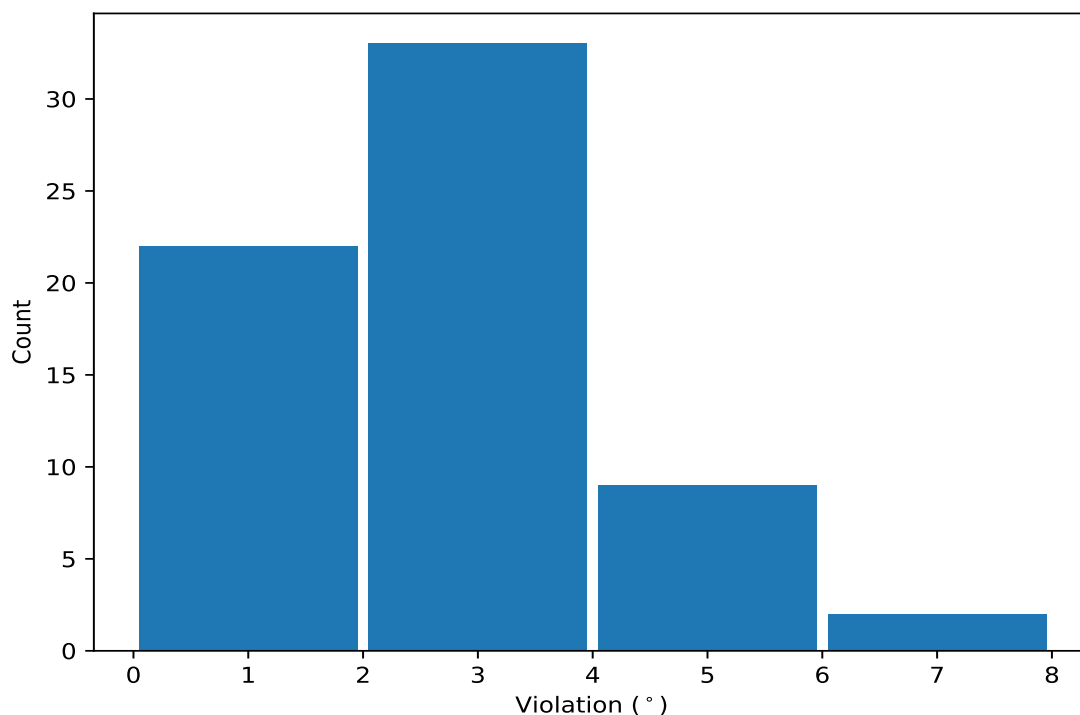
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	15	3.87	1.81	3.9
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	13	2.57	1.16	2.4
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	10	1.64	0.48	1.4
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	7	2.9	0.65	2.9
(1,50)	1:A:153:VAL:N	1:A:153:VAL:CA	1:A:153:VAL:C	1:A:154:VAL:N	5	2.34	0.63	2.4
(1,56)	1:A:156:SER:N	1:A:156:SER:CA	1:A:156:SER:C	1:A:157:ALA:N	4	3.9	0.93	3.9
(1,16)	1:A:136:ASP:N	1:A:136:ASP:CA	1:A:136:ASP:C	1:A:137:ARG:N	3	2.0	0.57	1.7
(1,13)	1:A:134:ARG:C	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	2	3.0	0.3	3.0
(1,5)	1:A:130:ASN:C	1:A:131:ILE:N	1:A:131:ILE:CA	1:A:131:ILE:C	2	2.4	0.2	2.4

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

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

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

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	1	7.2
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	20	6.1
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	17	5.7
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	18	5.6
(1,56)	1:A:156:SER:N	1:A:156:SER:CA	1:A:156:SER:C	1:A:157:ALA:N	8	5.2
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	15	5.2
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	17	4.9
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	5	4.7
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	10	4.3
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	9	4.1
(1,56)	1:A:156:SER:N	1:A:156:SER:CA	1:A:156:SER:C	1:A:157:ALA:N	10	4.1
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	15	3.9
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	6	3.9
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	20	3.8
(1,56)	1:A:156:SER:N	1:A:156:SER:CA	1:A:156:SER:C	1:A:157:ALA:N	13	3.7
(1,44)	1:A:150:HIS:N	1:A:150:HIS:CA	1:A:150:HIS:C	1:A:151:THR:N	5	3.6
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	6	3.6
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	2	3.4
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	16	3.3
(1,13)	1:A:134:ARG:C	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	3	3.3
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	4	3.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,50)	1:A:153:VAL:N	1:A:153:VAL:CA	1:A:153:VAL:C	1:A:154:VAL:N	13	3.1
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	18	2.9
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	11	2.8
(1,16)	1:A:136:ASP:N	1:A:136:ASP:CA	1:A:136:ASP:C	1:A:137:ARG:N	12	2.8
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	19	2.8
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	14	2.7
(1,50)	1:A:153:VAL:N	1:A:153:VAL:CA	1:A:153:VAL:C	1:A:154:VAL:N	8	2.7
(1,13)	1:A:134:ARG:C	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	12	2.7
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	13	2.7
(1,56)	1:A:156:SER:N	1:A:156:SER:CA	1:A:156:SER:C	1:A:157:ALA:N	11	2.6
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	7	2.6
(1,5)	1:A:130:ASN:C	1:A:131:ILE:N	1:A:131:ILE:CA	1:A:131:ILE:C	20	2.6
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	16	2.6
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	7	2.4
(1,50)	1:A:153:VAL:N	1:A:153:VAL:CA	1:A:153:VAL:C	1:A:154:VAL:N	10	2.4
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	4	2.4
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	13	2.4
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	11	2.3
(1,50)	1:A:153:VAL:N	1:A:153:VAL:CA	1:A:153:VAL:C	1:A:154:VAL:N	11	2.3
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	16	2.2
(1,5)	1:A:130:ASN:C	1:A:131:ILE:N	1:A:131:ILE:CA	1:A:131:ILE:C	15	2.2
(1,4)	1:A:130:ASN:N	1:A:130:ASN:CA	1:A:130:ASN:C	1:A:131:ILE:N	5	2.2
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	2	2.1
(1,14)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:ASP:N	19	1.9
(1,16)	1:A:136:ASP:N	1:A:136:ASP:CA	1:A:136:ASP:C	1:A:137:ARG:N	17	1.7
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	10	1.6
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	4	1.5
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	10	1.5
(1,16)	1:A:136:ASP:N	1:A:136:ASP:CA	1:A:136:ASP:C	1:A:137:ARG:N	1	1.5
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	12	1.5
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	8	1.4
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	4	1.4
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	16	1.4
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	18	1.4
(1,51)	1:A:153:VAL:C	1:A:154:VAL:N	1:A:154:VAL:CA	1:A:154:VAL:C	3	1.4
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	3	1.4
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	5	1.3
(1,8)	1:A:132:THR:N	1:A:132:THR:CA	1:A:132:THR:C	1:A:133:ALA:N	20	1.3
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	1	1.3
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	14	1.2
(1,50)	1:A:153:VAL:N	1:A:153:VAL:CA	1:A:153:VAL:C	1:A:154:VAL:N	18	1.2
(1,54)	1:A:155:ALA:N	1:A:155:ALA:CA	1:A:155:ALA:C	1:A:156:SER:N	13	1.1
(1,31)	1:A:143:SER:C	1:A:144:GLU:N	1:A:144:GLU:CA	1:A:144:GLU:C	13	1.1
(1,17)	1:A:136:ASP:C	1:A:137:ARG:N	1:A:137:ARG:CA	1:A:137:ARG:C	17	1.1
(1,11)	1:A:133:ALA:C	1:A:134:ARG:N	1:A:134:ARG:CA	1:A:134:ARG:C	8	1.1