



Full wwPDB NMR Structure Validation Report ⓘ

Mar 5, 2026 – 07:05 AM UTC

PDB ID : 6YP5 / pdb_00006yp5
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 : 4-5-2 with Phenix2.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

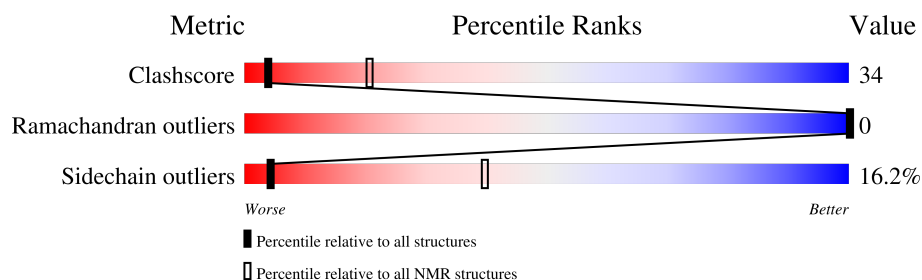
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 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	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	45	20% 31% 7% 29% 13%
1	B	45	16% 36% 7% 29% 13%
1	C	45	20% 31% 7% 29% 13%
1	D	45	16% 36% 7% 29% 13%

2 Ensemble composition and analysis

This entry contains 20 models. Model 9 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A: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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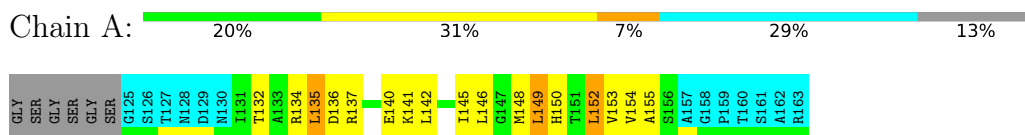
Chain	Residue	Modelled	Actual	Comment	Reference
D	120	SER	-	expression tag	UNP G8FRA5
D	121	GLY	-	expression tag	UNP G8FRA5
D	122	SER	-	expression tag	UNP G8FRA5
D	123	GLY	-	expression tag	UNP G8FRA5
D	124	SER	-	expression tag	UNP G8FRA5
D	125	GLY	-	expression tag	UNP G8FRA5
D	126	SER	-	expression tag	UNP G8FRA5

4 Residue-property plots [i](#)

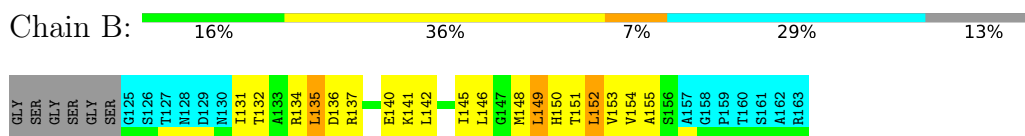
4.1 Average score per residue in the NMR ensemble

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.

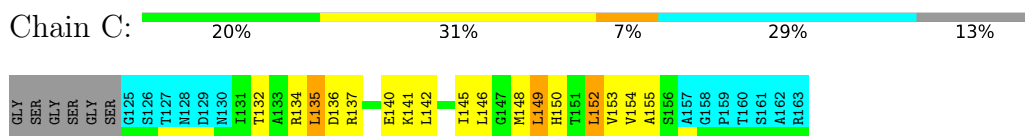
• Molecule 1: Phosphoprotein



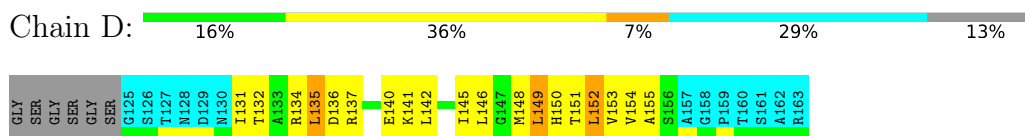
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

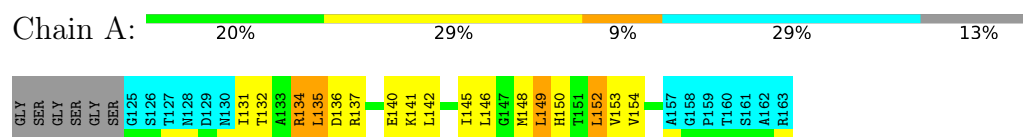


4.2 Scores per residue for each member of the ensemble

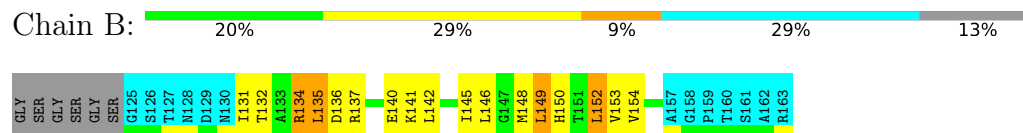
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

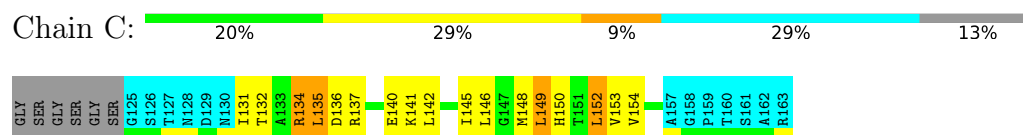
• Molecule 1: Phosphoprotein



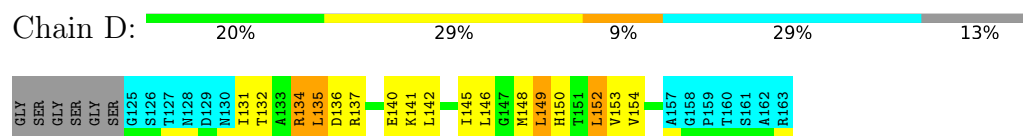
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

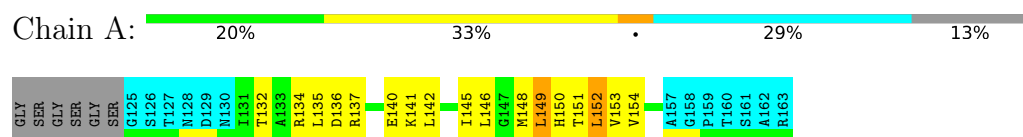


• Molecule 1: Phosphoprotein

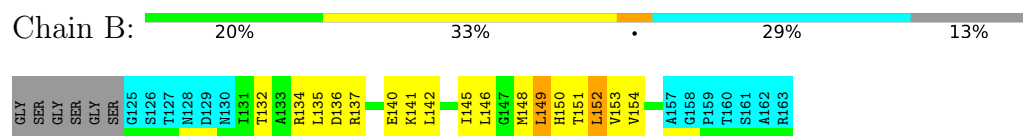


4.2.2 Score per residue for model 2

• Molecule 1: Phosphoprotein



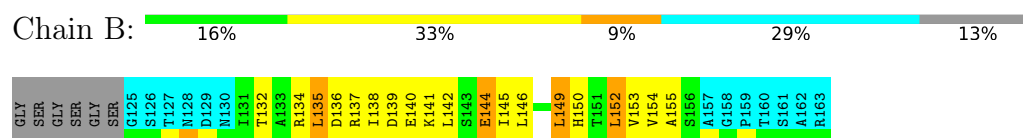
• Molecule 1: Phosphoprotein



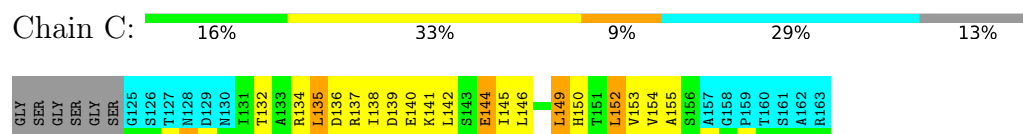
• Molecule 1: Phosphoprotein



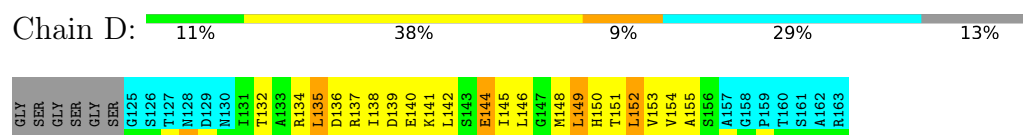
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

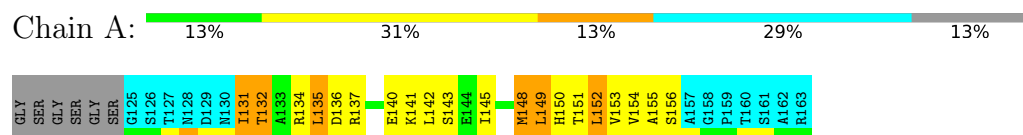


- Molecule 1: Phosphoprotein

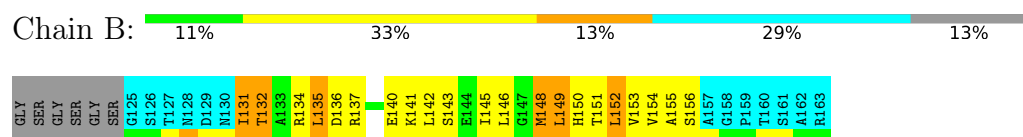


4.2.5 Score per residue for model 5

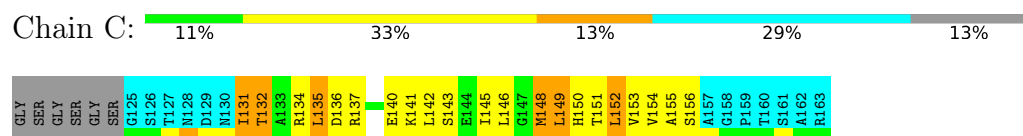
- Molecule 1: Phosphoprotein



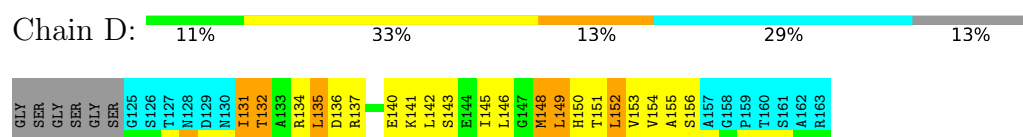
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

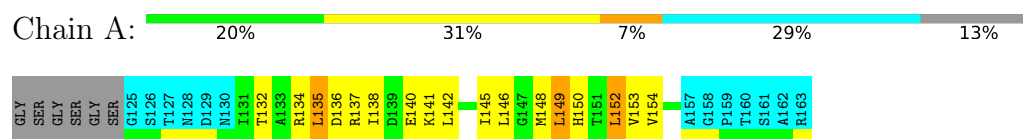


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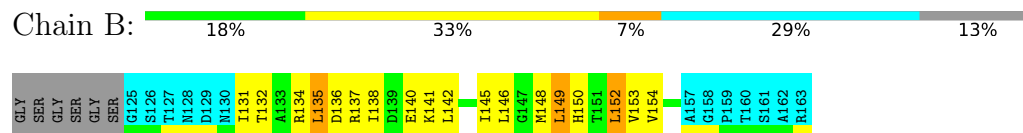


4.2.6 Score per residue for model 6

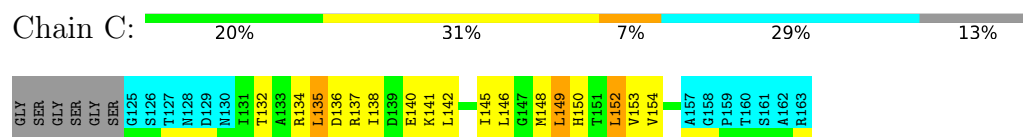
• Molecule 1: Phosphoprotein



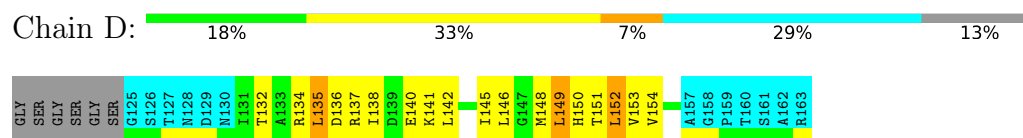
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

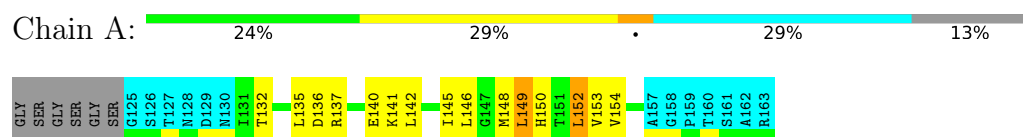


• Molecule 1: Phosphoprotein

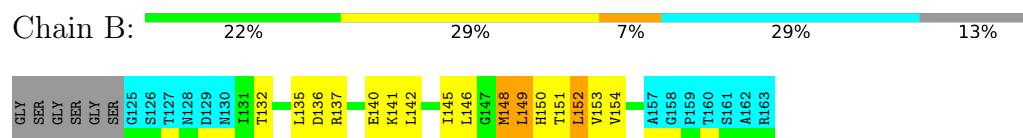


4.2.7 Score per residue for model 7

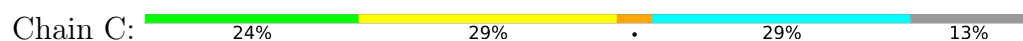
• Molecule 1: Phosphoprotein

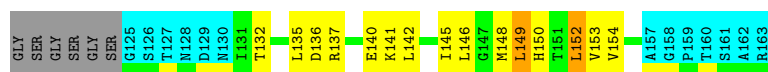


• Molecule 1: Phosphoprotein



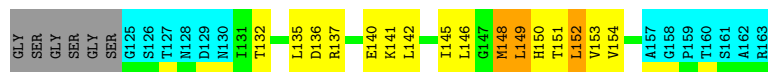
• Molecule 1: Phosphoprotein





• Molecule 1: Phosphoprotein

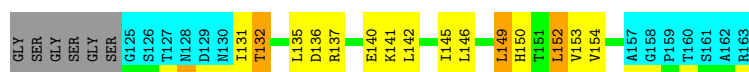
Chain D: 22% 29% 7% 29% 13%



4.2.8 Score per residue for model 8

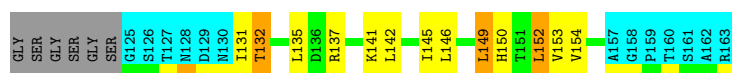
• Molecule 1: Phosphoprotein

Chain A: 24% 27% 7% 29% 13%



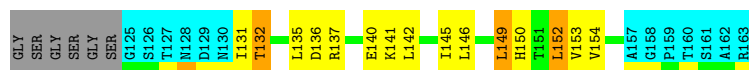
• Molecule 1: Phosphoprotein

Chain B: 29% 22% 7% 29% 13%



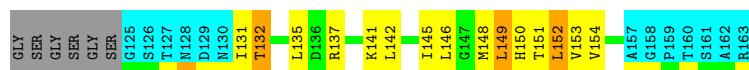
• Molecule 1: Phosphoprotein

Chain C: 24% 27% 7% 29% 13%



• Molecule 1: Phosphoprotein

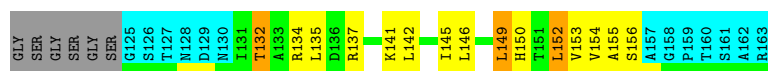
Chain D: 24% 27% 7% 29% 13%



4.2.9 Score per residue for model 9 (medoid)

• Molecule 1: Phosphoprotein

Chain A: 24% 27% 7% 29% 13%



Chain B:

Amino Acid	Percentage
GLY	27%
SER	24%
ALA	7%
VAL	29%
ILE	13%

[illegible][illegible]

Chain A:

GLY	SER	GLY	SER	GLY	SER
G126	G125	T127	T128	D129	M130
I131	T132	A133	R134	L135	D136
R137	E140	K141	L142	S143	E144
L145	L146	G147	M148	L149	H150
T151	L152	V153	V154	A155	S156
A157	G158	P159	T160	S161	A162
R163					

[illegible]

Chain C:

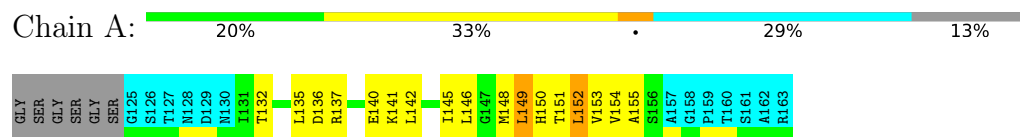
Amino Acid Type	Percentage
GLY	13%
SER	36%
Others	9%
Others	29%
Others	13%

Chain D:

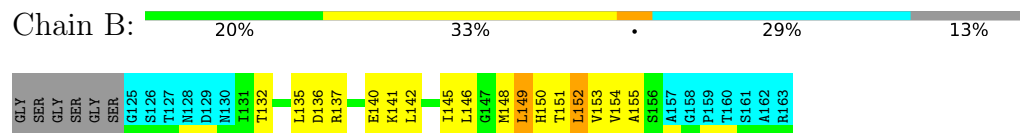
Amino Acid	Percentage
GLY	16%
SER	33%
GLY	33%
SER	9%
GLY	29%
SER	29%
G125	13%
I126	13%
T127	13%
M128	13%
D129	13%
M130	13%
I131	13%
T132	13%
A133	13%
R134	13%
L135	13%
D136	13%
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L145	13%
L146	13%
G147	13%
M148	13%
L149	13%
H150	13%
T151	13%
L152	13%
V153	13%
V154	13%
A155	13%
S156	13%
A157	13%
G158	13%
P159	13%
T160	13%
S161	13%
A162	13%
R163	13%

4.2.11 Score per residue for model 11

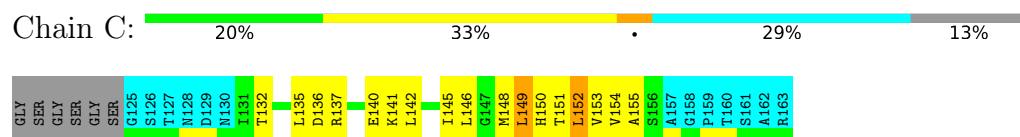
- Molecule 1: Phosphoprotein



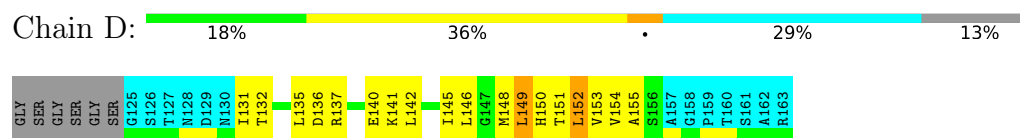
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

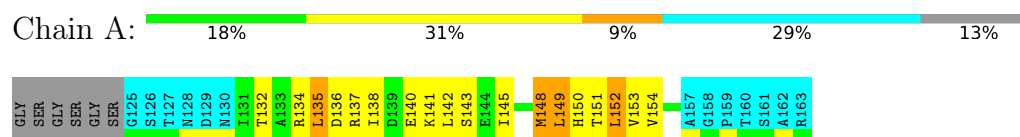


- Molecule 1: Phosphoprotein

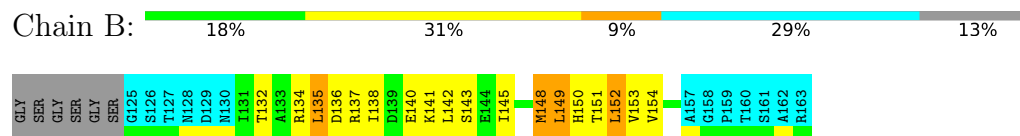


4.2.12 Score per residue for model 12

- Molecule 1: Phosphoprotein

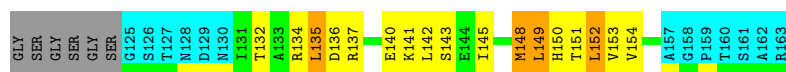


- Molecule 1: Phosphoprotein

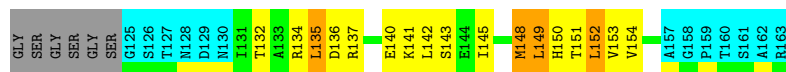


- Molecule 1: Phosphoprotein



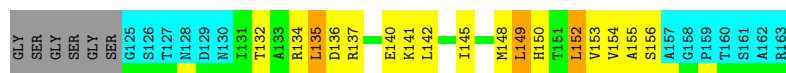


• Molecule 1: Phosphoprotein

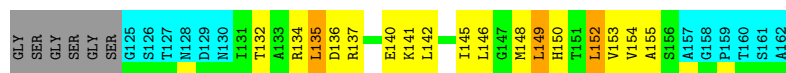


4.2.13 Score per residue for model 13

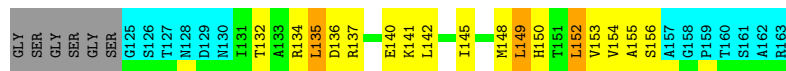
• Molecule 1: Phosphoprotein



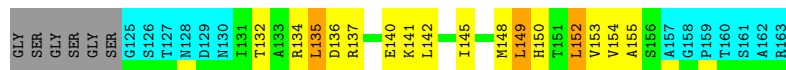
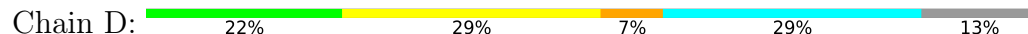
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

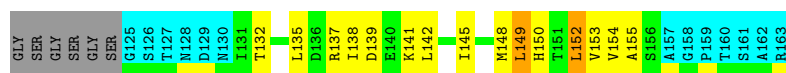
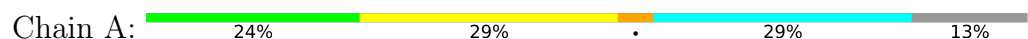


• Molecule 1: Phosphoprotein

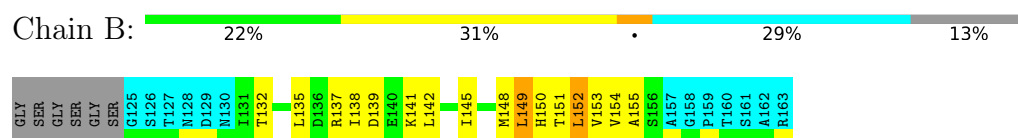


4.2.14 Score per residue for model 14

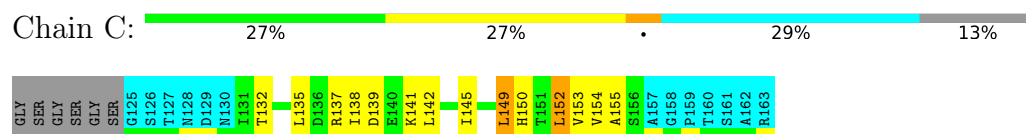
• Molecule 1: Phosphoprotein



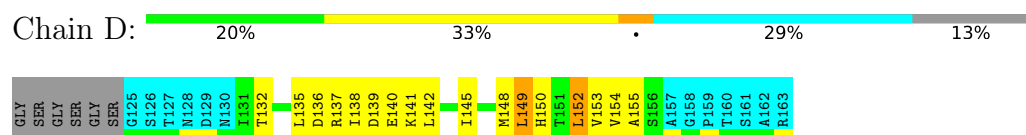
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

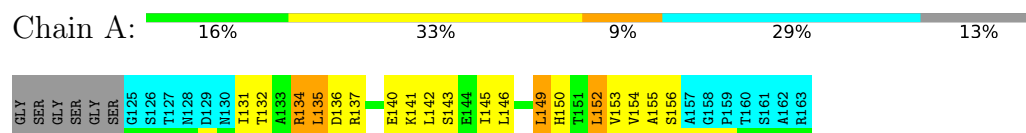


- Molecule 1: Phosphoprotein

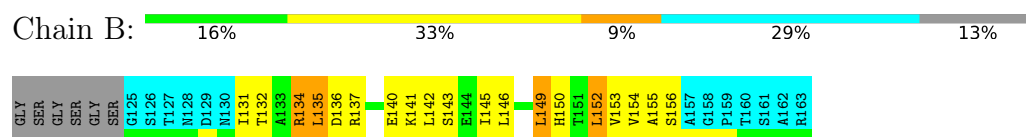


4.2.15 Score per residue for model 15

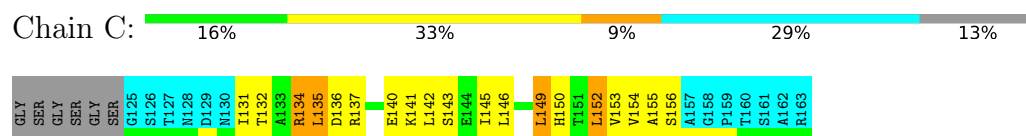
- Molecule 1: Phosphoprotein



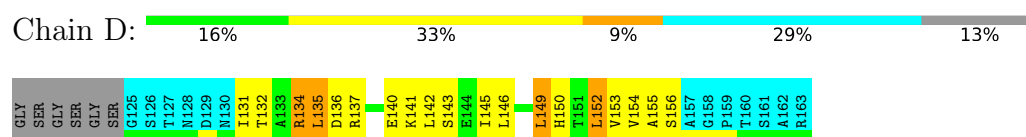
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

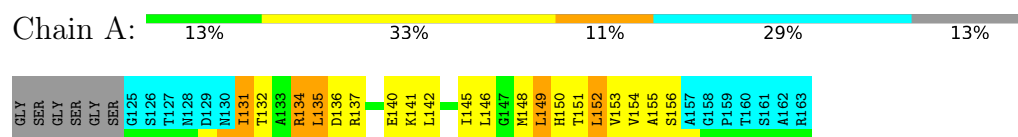


- Molecule 1: Phosphoprotein

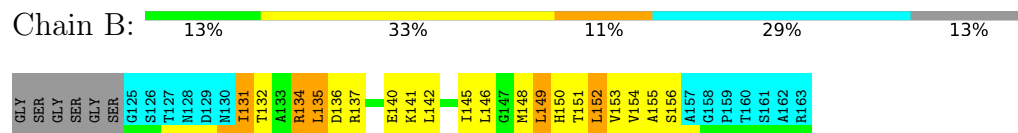


4.2.16 Score per residue for model 16

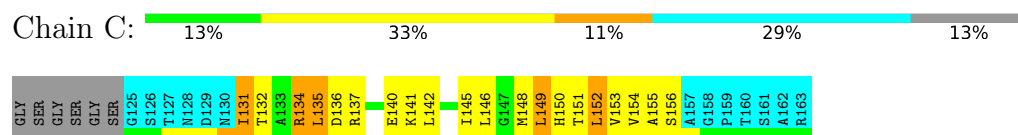
• Molecule 1: Phosphoprotein



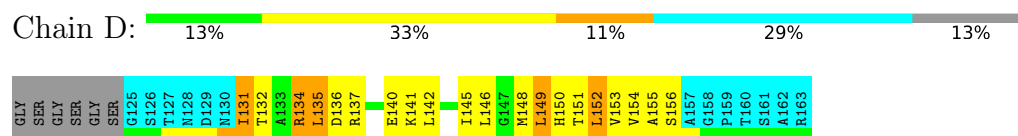
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

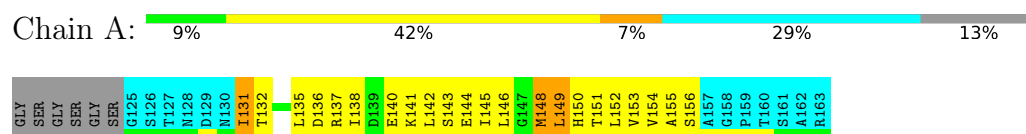


• Molecule 1: Phosphoprotein

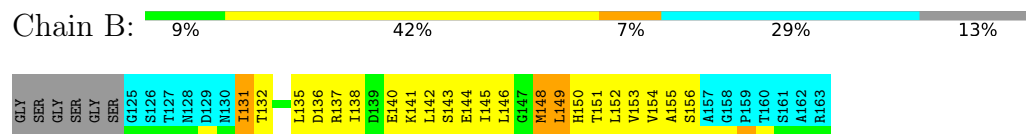


4.2.17 Score per residue for model 17

• Molecule 1: Phosphoprotein

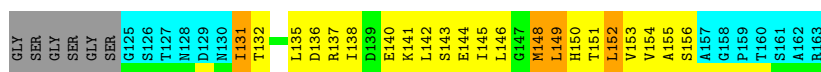


• Molecule 1: Phosphoprotein

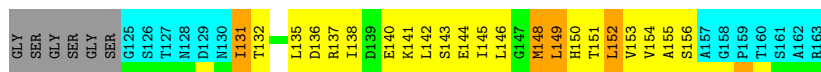


• Molecule 1: Phosphoprotein



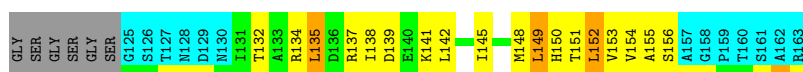


• Molecule 1: Phosphoprotein

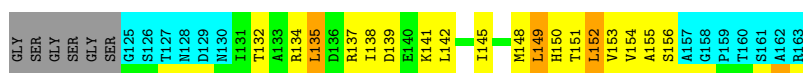


4.2.18 Score per residue for model 18

• Molecule 1: Phosphoprotein



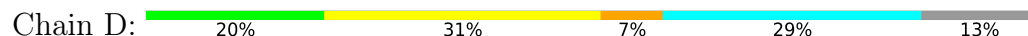
• Molecule 1: Phosphoprotein



• Molecule 1: Phosphoprotein

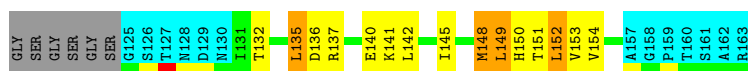


• Molecule 1: Phosphoprotein

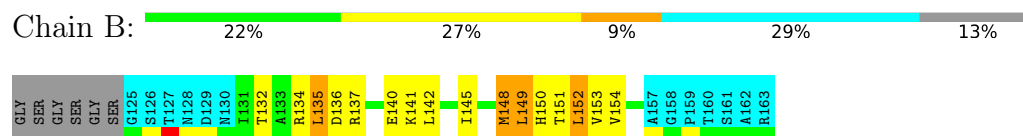


4.2.19 Score per residue for model 19

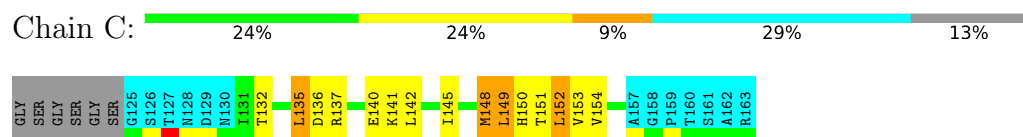
• Molecule 1: Phosphoprotein



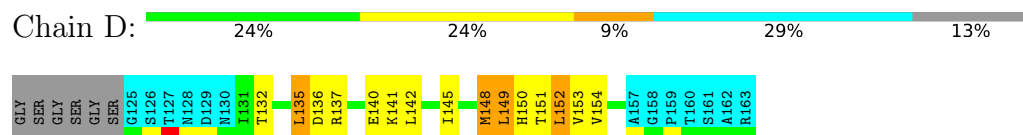
- Molecule 1: Phosphoprotein



- Molecule 1: Phosphoprotein

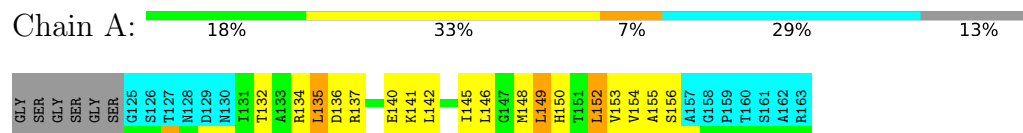


- Molecule 1: Phosphoprotein

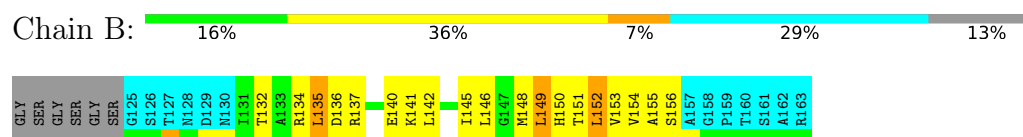


4.2.20 Score per residue for model 20

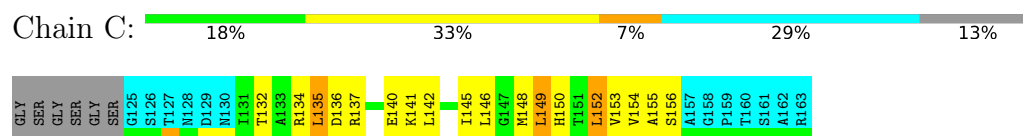
- Molecule 1: Phosphoprotein



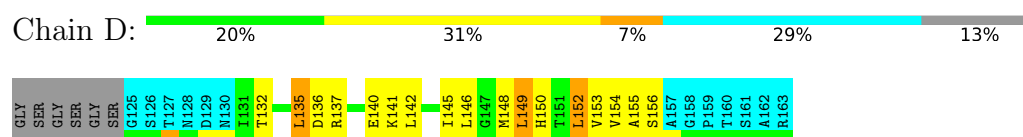
- Molecule 1: Phosphoprotein



- 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	17±5
1	B	201	219	218	17±5
1	C	201	219	218	17±5
1	D	201	219	218	17±5
All	All	16080	17520	17440	1129

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 34.

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:B:135:LEU:C	1:B:135:LEU:HD12	0.58	2.24	17	10
1:D:138:ILE:O	1:D:142:LEU:HG	0.58	1.97	4	5
1:C:135:LEU:C	1:C:135:LEU:HD12	0.58	2.24	17	10
1:D:135:LEU:HD12	1:D:135:LEU:C	0.58	2.23	17	13
1:A:135:LEU:HD12	1:A:135:LEU:C	0.58	2.24	17	12
1:C:135:LEU:HD12	1:C:135:LEU:C	0.57	2.25	5	3
1:B:135:LEU:HD12	1:B:135:LEU:C	0.56	2.25	5	3
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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
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:D:139:ASP:HA	1:D:142:LEU:HD12	0.53	1.79	4	1
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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
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: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: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: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: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
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
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: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:149:LEU:HB2	1:D:148:MET:HE2	0.46	1.86	13	5
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:148:MET:HE2	1:C:149:LEU:HB2	0.45	1.87	13	5
1:A:148:MET:HE2	1:B:149:LEU:HB2	0.45	1.87	13	8
1:B:134:ARG:HB3	1:C:135:LEU:HD11	0.45	1.87	6	4
1:C:148:MET:HE2	1:D:150:HIS:N	0.45	2.26	19	1
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:148:MET:HE2	1:D:149:LEU:HB2	0.45	1.87	13	6
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

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:148:MET:HE2	1:B:150:HIS:N	0.44	2.28	19	1
1:D:131:ILE:CD1	1:D:131:ILE:N	0.44	2.81	5	1
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:C	1:A:135:LEU:CD1	0.43	2.92	5	2
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:B:135:LEU:C	1:B:135:LEU:CD1	0.43	2.92	5	2
1:C:131:ILE:N	1:C:131:ILE:CD1	0.43	2.81	5	1
1:D:135:LEU:C	1:D:135:LEU:CD1	0.42	2.92	5	2
1:C:135:LEU:C	1:C:135:LEU:CD1	0.42	2.92	5	2
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:C:133:ALA:C	1:C:134:ARG:HE	0.40	2.25	18	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

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 (84±5%)	4±1 (16±5%)	4	40
1	B	23/35 (66%)	19±1 (84±5%)	4±1 (16±5%)	4	40
1	C	23/35 (66%)	19±1 (84±5%)	4±1 (16±5%)	4	40
1	D	23/35 (66%)	19±1 (84±5%)	4±1 (16±5%)	4	40
All	All	1840/2800 (66%)	1541 (84%)	299 (16%)	4	40

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

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Mol	Chain	Res	Type	Models (Total)
1	C	149	LEU	20
1	C	152	LEU	20
1	D	149	LEU	20
1	D	152	LEU	20
1	A	135	LEU	13
1	B	135	LEU	13
1	C	135	LEU	13
1	D	135	LEU	13
1	A	132	THR	6
1	B	132	THR	6
1	C	132	THR	6
1	A	134	ARG	5
1	B	134	ARG	5
1	C	134	ARG	5
1	D	132	THR	5
1	D	134	ARG	5
1	A	131	ILE	5
1	A	148	MET	5
1	B	131	ILE	5
1	B	148	MET	5
1	C	131	ILE	5
1	C	148	MET	5
1	D	131	ILE	5
1	D	148	MET	5
1	A	144	GLU	1
1	B	144	GLU	1
1	C	144	GLU	1
1	D	144	GLU	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 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

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	HA2	3.89	0.02	2
1	A	119	GLY	HA3	3.89	0.02	2
1	A	119	GLY	CA	43.57	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	120	SER	CA	58.43	0.25	1
1	A	120	SER	CB	63.8	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	121	GLY	CA	45.16	0.25	1
1	A	122	SER	HA	4.5	0.02	1
1	A	122	SER	HB2	3.92	0.02	2
1	A	122	SER	HB3	3.92	0.02	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	122	SER	CA	58.46	0.25	1
1	A	122	SER	CB	63.7	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	123	GLY	CA	45.15	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
1	A	124	SER	CA	58.47	0.25	1
1	A	124	SER	CB	63.84	0.25	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 ± 0.12	Should be checked
$^{13}\text{C}_\beta$	39	0.21 ± 0.15	None needed (< 0.5 ppm)
$^{13}\text{C}'$	34	-0.54 ± 0.10	Should be applied
^{15}N	36	-0.35 ± 0.18	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	¹ H	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%)

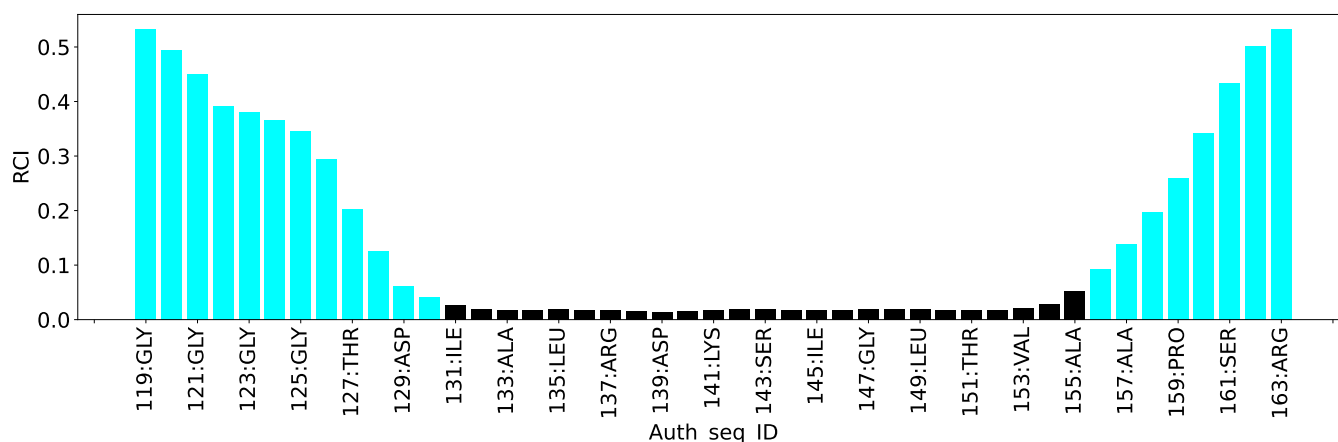
7.1.4 Statistically unusual chemical shifts [i](#)

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)	120.2	0.2
0.2-0.5 (Medium)	252.4	0.5
>0.5 (Large)	304.8	3.47

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)	3.4	7.17
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

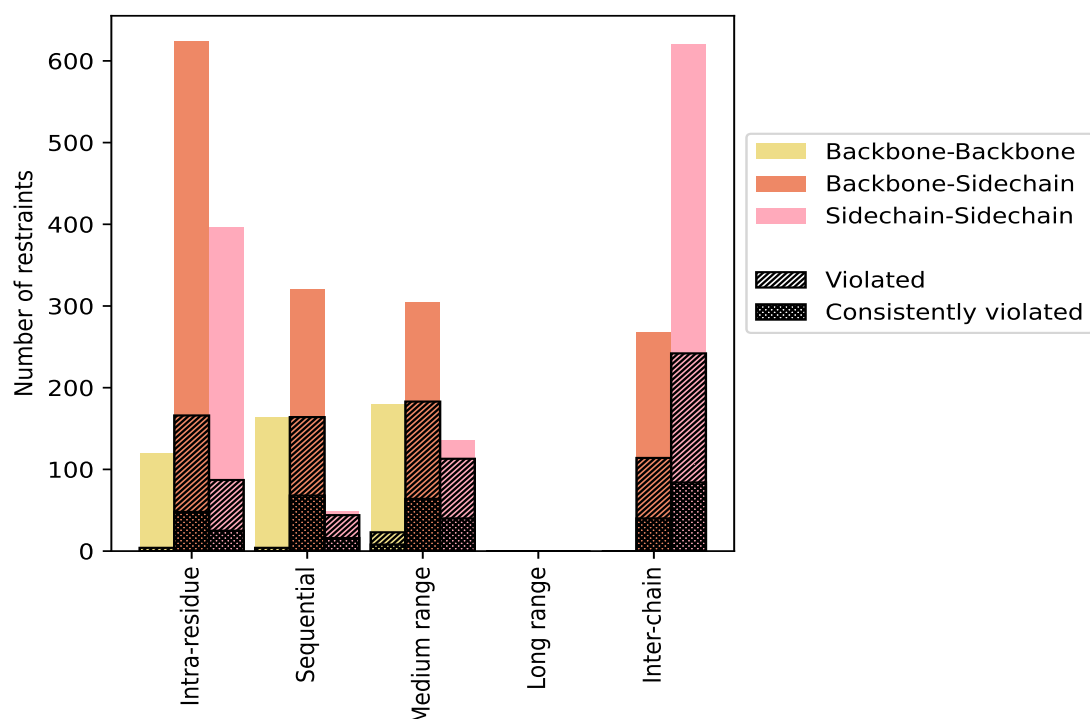
9.1 Summary of distance violations ⓘ

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	257	22.5	8.1	73	6.4	2.3
Backbone-Backbone	120	3.8	4	3.3	0.1	0	0.0	0.0
Backbone-Sidechain	624	19.6	166	26.6	5.2	48	7.7	1.5
Sidechain-Sidechain	396	12.5	87	22.0	2.7	25	6.3	0.8
Sequential ($i-j =1$)	532	16.7	212	39.8	6.7	84	15.8	2.6
Backbone-Backbone	164	5.2	4	2.4	0.1	0	0.0	0.0
Backbone-Sidechain	320	10.1	164	51.2	5.2	68	21.2	2.1
Sidechain-Sidechain	48	1.5	44	91.7	1.4	16	33.3	0.5
Medium range ($i-j >1$ & $i-j <5$)	620	19.5	319	51.5	10.0	112	18.1	3.5
Backbone-Backbone	180	5.7	23	12.8	0.7	8	4.4	0.3
Backbone-Sidechain	304	9.6	183	60.2	5.8	64	21.1	2.0
Sidechain-Sidechain	136	4.3	113	83.1	3.6	40	29.4	1.3
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	356	40.1	11.2	124	14.0	3.9
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	268	8.4	114	42.5	3.6	40	14.9	1.3
Sidechain-Sidechain	620	19.5	242	39.0	7.6	84	13.5	2.6
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	1144	36.0	36.0	393	12.4	12.4
Backbone-Backbone	464	14.6	31	6.7	1.0	8	1.7	0.3
Backbone-Sidechain	1516	47.7	627	41.4	19.7	220	14.5	6.9
Sidechain-Sidechain	1200	37.7	486	40.5	15.3	165	13.8	5.2

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

9.1.1 Bar chart : Distribution of distance restraints and violations [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	148	136	186	0	223	693	0.57	2.97	0.46	0.44
2	145	152	204	0	196	697	0.61	2.93	0.49	0.46
3	129	152	191	0	223	695	0.55	3.0	0.44	0.42
4	180	140	177	0	206	703	0.54	3.31	0.46	0.42
5	136	128	189	0	198	651	0.61	2.83	0.48	0.47
6	142	132	172	0	218	664	0.62	2.93	0.51	0.46
7	155	132	211	0	216	714	0.65	3.13	0.52	0.48
8	145	131	200	0	224	700	0.66	3.05	0.51	0.5
9	124	132	181	0	211	648	0.64	2.74	0.51	0.48
10	165	131	200	0	225	721	0.58	3.02	0.48	0.43

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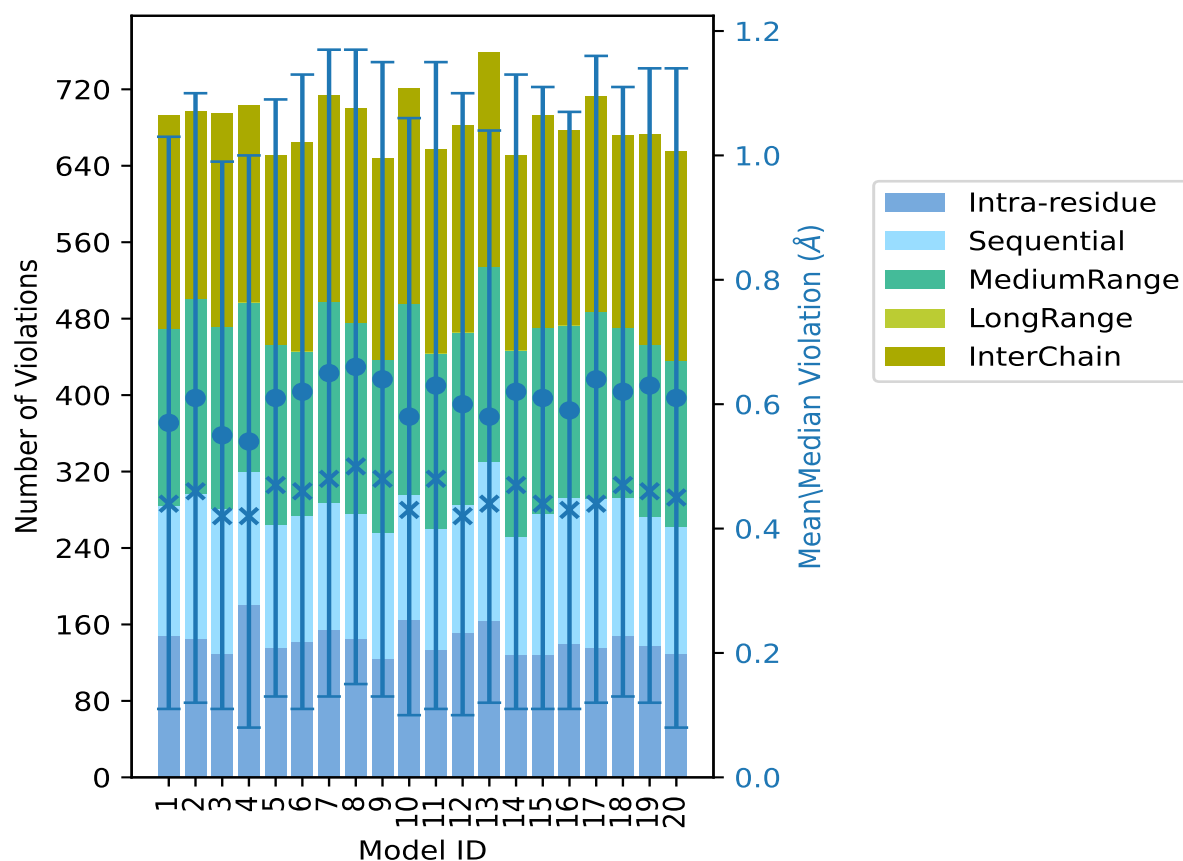
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	134	126	184	0	213	657	0.63	3.02	0.52	0.48
12	152	134	180	0	216	682	0.6	3.39	0.5	0.42
13	164	166	205	0	224	759	0.58	2.8	0.46	0.44
14	128	124	195	0	204	651	0.62	3.01	0.51	0.47
15	128	148	195	0	222	693	0.61	3.07	0.5	0.44
16	140	153	180	0	204	677	0.59	2.95	0.48	0.43
17	136	156	195	0	226	713	0.64	3.41	0.52	0.44
18	148	145	178	0	201	672	0.62	3.03	0.49	0.47
19	137	136	180	0	220	673	0.63	3.22	0.51	0.46
20	130	132	174	0	219	655	0.61	3.47	0.53	0.45

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

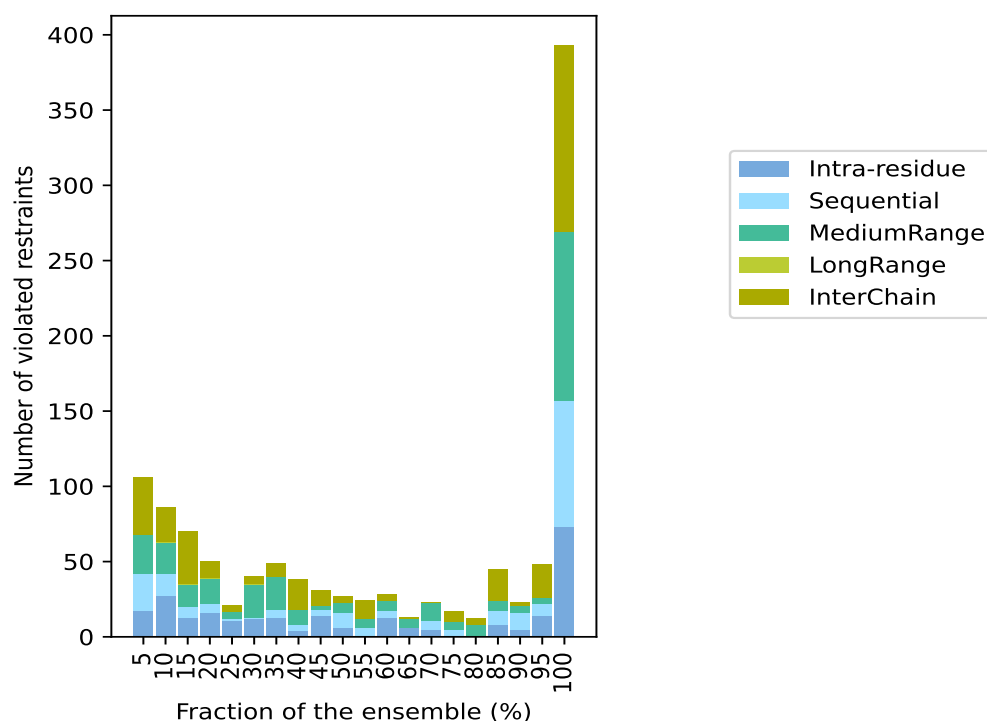
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2036(IR:883, SQ:320, MR:301, LR:0, IC:532) restraints are 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	%
17	25	26	0	38	106	1	5.0
27	15	21	0	23	86	2	10.0
13	7	15	0	35	70	3	15.0
16	6	17	0	11	50	4	20.0
11	1	5	0	4	21	5	25.0
12	1	22	0	5	40	6	30.0
13	5	22	0	9	49	7	35.0
4	4	10	0	20	38	8	40.0
14	4	3	0	10	31	9	45.0
6	10	7	0	4	27	10	50.0
0	6	6	0	12	24	11	55.0
13	4	7	0	4	28	12	60.0
6	0	6	0	1	13	13	65.0
5	6	12	0	0	23	14	70.0
0	5	5	0	7	17	15	75.0
0	1	7	0	4	12	16	80.0
8	9	7	0	21	45	17	85.0
5	11	5	0	2	23	18	90.0
14	8	4	0	22	48	19	95.0
73	84	112	0	124	393	20	100.0

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

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

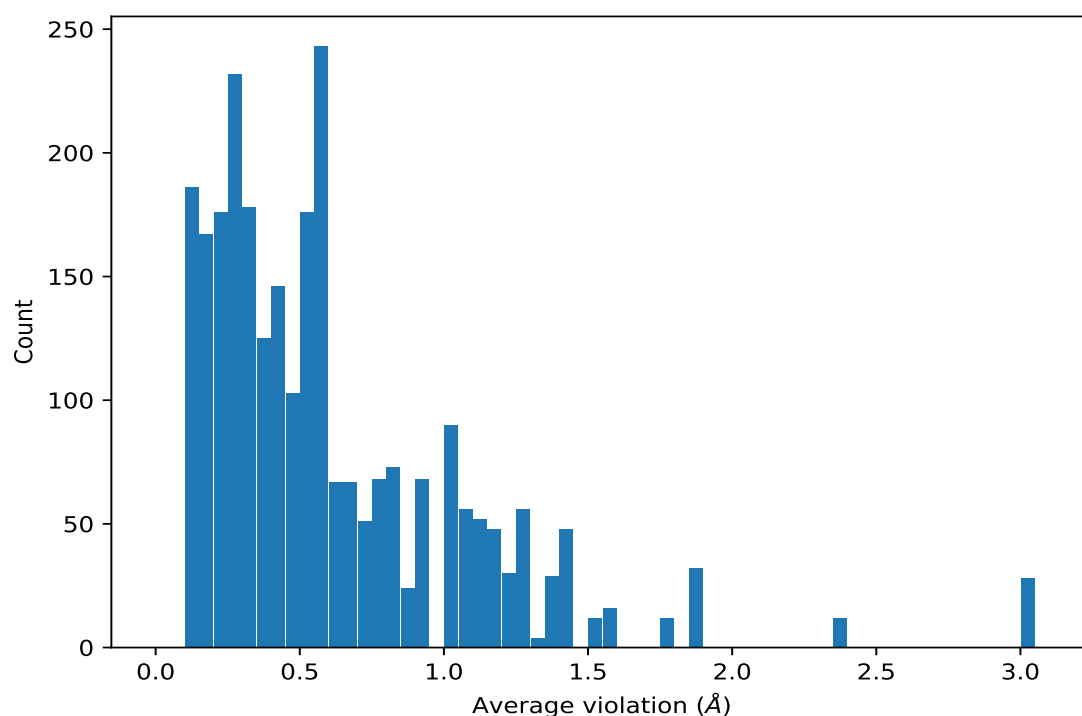
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,398)	1:142:B:LEU:HD21	1:148:A:MET:HE2	20	3.03	0.18	3.0
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE1	20	3.03	0.18	3.0
(1,398)	1:142:B:LEU:HD23	1:148:A:MET:HE1	20	3.03	0.18	3.0
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE3	20	3.03	0.18	3.0
(1,398)	1:142:B:LEU:HD23	1:148:A:MET:HE3	20	3.03	0.18	3.0
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE2	20	3.03	0.18	3.0
(1,398)	1:142:B:LEU:HD23	1:148:A:MET:HE2	20	3.03	0.18	3.0
(1,397)	1:142:A:LEU:HD21	1:148:D:MET:HE2	20	3.03	0.18	3.01
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE1	20	3.03	0.18	3.01
(1,397)	1:142:A:LEU:HD23	1:148:D:MET:HE1	20	3.03	0.18	3.01
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE3	20	3.03	0.18	3.01
(1,397)	1:142:A:LEU:HD23	1:148:D:MET:HE3	20	3.03	0.18	3.01
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE2	20	3.03	0.18	3.01
(1,397)	1:142:A:LEU:HD23	1:148:D:MET:HE2	20	3.03	0.18	3.01
(1,399)	1:142:C:LEU:HD21	1:148:B:MET:HE2	20	3.03	0.18	3.0
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE1	20	3.03	0.18	3.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,399)	1:142:C:LEU:HD23	1:148:B:MET:HE1	20	3.03	0.18	3.0
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE3	20	3.03	0.18	3.0
(1,399)	1:142:C:LEU:HD23	1:148:B:MET:HE3	20	3.03	0.18	3.0
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE2	20	3.03	0.18	3.0
(1,399)	1:142:C:LEU:HD23	1:148:B:MET:HE2	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD21	1:148:C:MET:HE2	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE1	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD23	1:148:C:MET:HE1	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE3	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD23	1:148:C:MET:HE3	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE2	20	3.03	0.18	3.0
(1,400)	1:142:D:LEU:HD23	1:148:C:MET:HE2	20	3.03	0.18	3.0
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	20	2.39	0.46	2.55
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	20	2.39	0.46	2.55
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	20	2.39	0.46	2.55
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	20	2.39	0.46	2.55
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	20	2.39	0.46	2.55
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	20	2.39	0.46	2.55
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	20	2.39	0.46	2.55
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	20	2.39	0.46	2.55
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	20	2.39	0.46	2.55
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	20	2.39	0.46	2.55
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	20	2.39	0.46	2.55
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	20	2.39	0.46	2.55
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG23	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG22	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG23	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG22	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG21	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG21	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG23	20	1.9	0.1	1.93
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG22	20	1.9	0.1	1.93
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG23	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG22	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG23	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG22	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG21	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG21	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG23	20	1.9	0.1	1.95
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG22	20	1.9	0.1	1.95
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG23	20	1.9	0.1	1.92
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG22	20	1.9	0.1	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG23	20	1.9	0.1	1.92
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG22	20	1.9	0.1	1.92
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG21	20	1.9	0.1	1.92
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG21	20	1.9	0.1	1.92
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG23	20	1.9	0.1	1.92
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG22	20	1.9	0.1	1.92
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG23	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG22	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG23	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG22	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG21	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG21	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG23	20	1.89	0.1	1.91
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG22	20	1.89	0.1	1.91
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	20	1.79	0.28	1.84
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	20	1.79	0.28	1.84
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG11	20	1.79	0.28	1.84
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	20	1.78	0.28	1.83
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	20	1.78	0.28	1.83
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG11	20	1.78	0.28	1.83
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	20	1.78	0.28	1.83
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	20	1.78	0.28	1.83
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG11	20	1.78	0.28	1.83
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	20	1.78	0.28	1.82
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	20	1.78	0.28	1.82
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG11	20	1.78	0.28	1.82
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	20	1.59	0.06	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	20	1.59	0.05	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	20	1.59	0.06	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	20	1.58	0.06	1.6
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	20	1.5	0.29	1.62
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	20	1.5	0.29	1.62
(1,526)	1:132:B:THR:HG23	1:129:A:ASP:HA	20	1.5	0.29	1.62
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	20	1.5	0.29	1.62
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	20	1.5	0.29	1.62
(1,528)	1:132:D:THR:HG23	1:129:C:ASP:HA	20	1.5	0.29	1.62
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	20	1.5	0.3	1.6
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	20	1.5	0.3	1.6
(1,525)	1:132:A:THR:HG23	1:129:D:ASP:HA	20	1.5	0.3	1.6
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	20	1.5	0.29	1.58
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	20	1.5	0.29	1.58
(1,527)	1:132:C:THR:HG23	1:129:B:ASP:HA	20	1.5	0.29	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD22	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD22	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD21	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE3	1:152:C:LEU:HD23	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD23	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE3	1:152:C:LEU:HD21	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE3	1:152:C:LEU:HD22	20	1.45	0.11	1.47
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD23	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD22	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD22	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD21	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE3	1:152:A:LEU:HD23	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD23	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE3	1:152:A:LEU:HD21	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE3	1:152:A:LEU:HD22	20	1.45	0.11	1.47
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD23	20	1.45	0.11	1.47
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD22	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD22	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD21	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE3	1:152:D:LEU:HD23	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD23	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE3	1:152:D:LEU:HD21	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE3	1:152:D:LEU:HD22	20	1.45	0.11	1.46
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD23	20	1.45	0.11	1.46
(1,456)	1:138:D:ILE:HD12	1:137:A:ARG:HB2	20	1.45	0.22	1.46
(1,456)	1:138:D:ILE:HD11	1:137:A:ARG:HB2	20	1.45	0.22	1.46
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	20	1.45	0.22	1.46
(1,453)	1:138:A:ILE:HD12	1:137:B:ARG:HB2	20	1.45	0.21	1.43
(1,453)	1:138:A:ILE:HD11	1:137:B:ARG:HB2	20	1.45	0.21	1.43
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	20	1.45	0.21	1.43
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD22	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD22	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD21	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE3	1:152:B:LEU:HD23	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD23	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE3	1:152:B:LEU:HD21	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE3	1:152:B:LEU:HD22	20	1.44	0.11	1.46
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD23	20	1.44	0.11	1.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,455)	1:138:C:ILE:HD12	1:137:D:ARG:HB2	20	1.44	0.22	1.42
(1,455)	1:138:C:ILE:HD11	1:137:D:ARG:HB2	20	1.44	0.22	1.42
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	20	1.44	0.22	1.42
(1,454)	1:138:B:ILE:HD12	1:137:C:ARG:HB2	20	1.44	0.21	1.45
(1,454)	1:138:B:ILE:HD11	1:137:C:ARG:HB2	20	1.44	0.21	1.45
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	20	1.44	0.21	1.45
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	20	1.39	0.22	1.44
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	20	1.39	0.22	1.44
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	20	1.39	0.22	1.44
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	20	1.38	0.23	1.42
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	20	1.38	0.23	1.42
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	20	1.38	0.23	1.42
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	20	1.38	0.23	1.44
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	20	1.38	0.23	1.44
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	20	1.38	0.23	1.44
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	20	1.38	0.23	1.44
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	20	1.38	0.23	1.44
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	20	1.38	0.23	1.44
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD11	20	1.37	0.05	1.39
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	20	1.37	0.05	1.39
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	20	1.37	0.05	1.39
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD11	20	1.37	0.05	1.4
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	20	1.37	0.05	1.4
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	20	1.37	0.05	1.4
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD11	20	1.37	0.04	1.38
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	20	1.37	0.04	1.38
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	20	1.37	0.04	1.38
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD11	20	1.37	0.05	1.39
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	20	1.37	0.05	1.39
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	20	1.37	0.05	1.39
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	20	1.28	0.04	1.3
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	20	1.28	0.04	1.3
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	20	1.28	0.04	1.3
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	20	1.28	0.04	1.29
(1,464)	1:138:D:ILE:HD12	1:134:A:ARG:HA	20	1.27	0.26	1.34
(1,464)	1:138:D:ILE:HD11	1:134:A:ARG:HA	20	1.27	0.26	1.34
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	20	1.27	0.26	1.34
(1,461)	1:138:A:ILE:HD12	1:134:B:ARG:HA	20	1.27	0.25	1.32
(1,461)	1:138:A:ILE:HD11	1:134:B:ARG:HA	20	1.27	0.25	1.32
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	20	1.27	0.25	1.32
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	20	1.27	0.08	1.29
(1,110)	1:153:B:VAL:HG23	1:153:C:VAL:HA	20	1.27	0.08	1.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,110)	1:153:B:VAL:HG21	1:153:C:VAL:HA	20	1.27	0.08	1.29
(1,110)	1:153:B:VAL:HG22	1:153:A:VAL:HA	20	1.27	0.08	1.29
(1,110)	1:153:B:VAL:HG23	1:153:A:VAL:HA	20	1.27	0.08	1.29
(1,462)	1:138:B:ILE:HD12	1:134:C:ARG:HA	20	1.27	0.25	1.32
(1,462)	1:138:B:ILE:HD11	1:134:C:ARG:HA	20	1.27	0.25	1.32
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	20	1.27	0.25	1.32
(1,463)	1:138:C:ILE:HD12	1:134:D:ARG:HA	20	1.27	0.25	1.31
(1,463)	1:138:C:ILE:HD11	1:134:D:ARG:HA	20	1.27	0.25	1.31
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	20	1.27	0.25	1.31
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	20	1.27	0.08	1.28
(1,109)	1:153:A:VAL:HG23	1:153:B:VAL:HA	20	1.27	0.08	1.28
(1,109)	1:153:A:VAL:HG21	1:153:B:VAL:HA	20	1.27	0.08	1.28
(1,109)	1:153:A:VAL:HG22	1:153:D:VAL:HA	20	1.27	0.08	1.28
(1,109)	1:153:A:VAL:HG23	1:153:D:VAL:HA	20	1.27	0.08	1.28
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	20	1.26	0.08	1.28
(1,112)	1:153:D:VAL:HG23	1:153:A:VAL:HA	20	1.26	0.08	1.28
(1,112)	1:153:D:VAL:HG21	1:153:A:VAL:HA	20	1.26	0.08	1.28
(1,112)	1:153:D:VAL:HG22	1:153:C:VAL:HA	20	1.26	0.08	1.28
(1,112)	1:153:D:VAL:HG23	1:153:C:VAL:HA	20	1.26	0.08	1.28
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	20	1.26	0.07	1.28
(1,111)	1:153:C:VAL:HG23	1:153:D:VAL:HA	20	1.26	0.07	1.28
(1,111)	1:153:C:VAL:HG21	1:153:D:VAL:HA	20	1.26	0.07	1.28
(1,111)	1:153:C:VAL:HG22	1:153:B:VAL:HA	20	1.26	0.07	1.28
(1,111)	1:153:C:VAL:HG23	1:153:B:VAL:HA	20	1.26	0.07	1.28
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	20	1.24	0.06	1.23
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	20	1.24	0.06	1.23
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	20	1.24	0.06	1.23
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	20	1.24	0.06	1.23
(1,54)	1:155:B:ALA:HB1	1:152:C:LEU:HA	20	1.23	0.18	1.23
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	20	1.23	0.18	1.23
(1,54)	1:155:B:ALA:HB3	1:152:C:LEU:HA	20	1.23	0.18	1.23
(1,54)	1:155:B:ALA:HB1	1:152:A:LEU:HA	20	1.23	0.18	1.23
(1,54)	1:155:B:ALA:HB3	1:152:A:LEU:HA	20	1.23	0.18	1.23
(1,54)	1:155:B:ALA:HB2	1:152:A:LEU:HA	20	1.23	0.18	1.23
(1,53)	1:155:A:ALA:HB1	1:152:B:LEU:HA	20	1.22	0.18	1.24
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	20	1.22	0.18	1.24
(1,53)	1:155:A:ALA:HB3	1:152:B:LEU:HA	20	1.22	0.18	1.24
(1,53)	1:155:A:ALA:HB1	1:152:D:LEU:HA	20	1.22	0.18	1.24
(1,53)	1:155:A:ALA:HB3	1:152:D:LEU:HA	20	1.22	0.18	1.24
(1,53)	1:155:A:ALA:HB2	1:152:D:LEU:HA	20	1.22	0.18	1.24
(1,56)	1:155:D:ALA:HB1	1:152:A:LEU:HA	20	1.22	0.18	1.25
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	20	1.22	0.18	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,56)	1:155:D:ALA:HB3	1:152:A:LEU:HA	20	1.22	0.18	1.25
(1,56)	1:155:D:ALA:HB1	1:152:C:LEU:HA	20	1.22	0.18	1.25
(1,56)	1:155:D:ALA:HB3	1:152:C:LEU:HA	20	1.22	0.18	1.25
(1,56)	1:155:D:ALA:HB2	1:152:C:LEU:HA	20	1.22	0.18	1.25
(1,55)	1:155:C:ALA:HB1	1:152:D:LEU:HA	20	1.22	0.18	1.24
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	20	1.22	0.18	1.24
(1,55)	1:155:C:ALA:HB3	1:152:D:LEU:HA	20	1.22	0.18	1.24
(1,55)	1:155:C:ALA:HB1	1:152:B:LEU:HA	20	1.22	0.18	1.24
(1,55)	1:155:C:ALA:HB3	1:152:B:LEU:HA	20	1.22	0.18	1.24
(1,55)	1:155:C:ALA:HB2	1:152:B:LEU:HA	20	1.22	0.18	1.24
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	20	1.19	0.05	1.2
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	20	1.19	0.05	1.2
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	20	1.19	0.05	1.2
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	20	1.18	0.06	1.2
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	20	1.18	0.06	1.2
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	20	1.18	0.06	1.2
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	20	1.18	0.14	1.12
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	20	1.18	0.06	1.19
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	20	1.18	0.06	1.19
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	20	1.18	0.06	1.19
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	20	1.18	0.14	1.1
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	20	1.18	0.06	1.19
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	20	1.18	0.06	1.19
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	20	1.18	0.06	1.19
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	20	1.18	0.14	1.1
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	20	1.17	0.14	1.1
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	20	1.17	0.44	1.25
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	20	1.17	0.44	1.25
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	20	1.17	0.44	1.25
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	20	1.17	0.44	1.25
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	20	1.16	0.03	1.16
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	20	1.16	0.03	1.16
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	20	1.16	0.03	1.16
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	20	1.16	0.03	1.16
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	20	1.16	0.03	1.16
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	20	1.16	0.03	1.16
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	20	1.16	0.03	1.16
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	20	1.16	0.03	1.16
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	20	1.16	0.03	1.16
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	20	1.16	0.03	1.16
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	20	1.16	0.03	1.16
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	20	1.16	0.03	1.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1030)	1:157:B:ALA:HB1	1:158:B:GLY:HA2	20	1.16	0.32	1.29
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	20	1.16	0.32	1.29
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	20	1.16	0.32	1.29
(2,1032)	1:157:D:ALA:HB1	1:158:D:GLY:HA2	20	1.16	0.32	1.29
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	20	1.16	0.32	1.29
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	20	1.16	0.32	1.29
(2,1031)	1:157:C:ALA:HB1	1:158:C:GLY:HA2	20	1.16	0.32	1.29
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	20	1.16	0.32	1.29
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	20	1.16	0.32	1.29
(2,1029)	1:157:A:ALA:HB1	1:158:A:GLY:HA2	20	1.16	0.32	1.29
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	20	1.16	0.32	1.29
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	20	1.16	0.32	1.29
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	20	1.11	0.33	1.3
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD13	20	1.11	0.33	1.3
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	20	1.11	0.33	1.3
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	20	1.11	0.33	1.28
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD13	20	1.11	0.33	1.28
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	20	1.11	0.33	1.28
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	20	1.11	0.33	1.28
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD13	20	1.11	0.33	1.28
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	20	1.11	0.33	1.28
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	20	1.1	0.18	1.11
(2,1238)	1:138:B:ILE:HG21	1:141:B:LYS:HB3	20	1.1	0.18	1.11
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	20	1.1	0.18	1.11
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	20	1.1	0.18	1.11
(2,1240)	1:138:D:ILE:HG21	1:141:D:LYS:HB3	20	1.1	0.18	1.11
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	20	1.1	0.18	1.11
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	20	1.1	0.18	1.11
(2,1239)	1:138:C:ILE:HG21	1:141:C:LYS:HB3	20	1.1	0.18	1.11
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	20	1.1	0.18	1.11
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	20	1.1	0.18	1.11
(2,1237)	1:138:A:ILE:HG21	1:141:A:LYS:HB3	20	1.1	0.18	1.11
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	20	1.1	0.18	1.11
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	20	1.1	0.33	1.28
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD13	20	1.1	0.33	1.28
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	20	1.1	0.33	1.28
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	20	1.1	0.32	0.98
(1,82)	1:154:B:VAL:HG12	1:156:C:SER:HB2	20	1.1	0.32	0.98
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	20	1.1	0.32	0.98
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	20	1.1	0.32	0.97
(1,81)	1:154:A:VAL:HG12	1:156:B:SER:HB2	20	1.1	0.32	0.97
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	20	1.1	0.32	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	20	1.09	0.33	0.98
(1,83)	1:154:C:VAL:HG12	1:156:D:SER:HB2	20	1.09	0.33	0.98
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	20	1.09	0.33	0.98
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	20	1.09	0.32	0.98
(1,84)	1:154:D:VAL:HG12	1:156:A:SER:HB2	20	1.09	0.32	0.98
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	20	1.09	0.32	0.98
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	20	1.05	0.25	1.05
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	20	1.05	0.25	1.05
(1,119)	1:154:C:VAL:HG21	1:148:B:MET:HG3	20	1.05	0.25	1.05
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	20	1.05	0.25	1.08
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	20	1.05	0.25	1.08
(1,118)	1:154:B:VAL:HG21	1:148:A:MET:HG3	20	1.05	0.25	1.08
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	20	1.05	0.25	1.06
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	20	1.05	0.25	1.06
(1,117)	1:154:A:VAL:HG21	1:148:D:MET:HG3	20	1.05	0.25	1.06
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	20	1.05	0.25	1.04
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	20	1.05	0.25	1.04
(1,120)	1:154:D:VAL:HG21	1:148:C:MET:HG3	20	1.05	0.25	1.04
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	20	1.04	0.3	1.17
(2,1367)	1:138:C:ILE:HG22	1:139:C:ASP:HB3	20	1.04	0.3	1.17
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	20	1.04	0.3	1.17
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	20	1.04	0.3	1.17
(2,1366)	1:138:B:ILE:HG22	1:139:B:ASP:HB3	20	1.04	0.3	1.17
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	20	1.04	0.3	1.17
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	20	1.04	0.3	1.16
(2,1365)	1:138:A:ILE:HG22	1:139:A:ASP:HB3	20	1.04	0.3	1.16
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	20	1.04	0.3	1.16
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	20	1.04	0.3	1.17
(2,1368)	1:138:D:ILE:HG22	1:139:D:ASP:HB3	20	1.04	0.3	1.17
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	20	1.04	0.3	1.17
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	20	1.0	0.35	1.18
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	20	1.0	0.35	1.18
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	20	1.0	0.35	1.18
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	20	1.0	0.35	1.18
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	20	1.0	0.35	1.18
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	20	1.0	0.35	1.18
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	20	1.0	0.34	1.18
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	20	1.0	0.34	1.18
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	20	1.0	0.34	1.18
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	20	1.0	0.35	1.18
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	20	1.0	0.35	1.18
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	20	1.0	0.35	1.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB2	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB3	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB2	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB1	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB3	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB3	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB1	20	1.0	0.09	0.98
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB2	20	1.0	0.09	0.98
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB2	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB3	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB2	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB1	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB3	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB3	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB1	20	1.0	0.09	0.97
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB2	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB2	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB2	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB2	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB1	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB3	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB3	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB3	20	1.0	0.09	0.97
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB1	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB2	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB3	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB2	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB1	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB3	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB3	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB1	20	1.0	0.09	0.97
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB2	20	1.0	0.09	0.97
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD13	20	0.94	0.1	0.95
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	20	0.94	0.1	0.95
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	20	0.94	0.1	0.95
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD13	20	0.94	0.1	0.95
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	20	0.94	0.1	0.95
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	20	0.94	0.1	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD13	20	0.94	0.1	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	20	0.94	0.1	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	20	0.94	0.1	0.95
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD13	20	0.94	0.1	0.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	20	0.94	0.1	0.95
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	20	0.94	0.1	0.95
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	20	0.92	0.25	0.98
(1,621)	1:127:A:THR:HG21	1:127:B:THR:HA	20	0.92	0.25	0.98
(1,621)	1:127:A:THR:HG22	1:127:B:THR:HA	20	0.92	0.25	0.98
(1,621)	1:127:A:THR:HG23	1:127:D:THR:HA	20	0.92	0.25	0.98
(1,621)	1:127:A:THR:HG21	1:127:D:THR:HA	20	0.92	0.25	0.98
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	20	0.92	0.24	0.96
(1,623)	1:127:C:THR:HG21	1:127:D:THR:HA	20	0.92	0.24	0.96
(1,623)	1:127:C:THR:HG22	1:127:D:THR:HA	20	0.92	0.24	0.96
(1,623)	1:127:C:THR:HG23	1:127:B:THR:HA	20	0.92	0.24	0.96
(1,623)	1:127:C:THR:HG21	1:127:B:THR:HA	20	0.92	0.24	0.96
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	20	0.92	0.26	1.0
(1,624)	1:127:D:THR:HG21	1:127:A:THR:HA	20	0.92	0.26	1.0
(1,624)	1:127:D:THR:HG22	1:127:A:THR:HA	20	0.92	0.26	1.0
(1,624)	1:127:D:THR:HG23	1:127:C:THR:HA	20	0.92	0.26	1.0
(1,624)	1:127:D:THR:HG21	1:127:C:THR:HA	20	0.92	0.26	1.0
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	20	0.91	0.26	0.98
(1,622)	1:127:B:THR:HG21	1:127:C:THR:HA	20	0.91	0.26	0.98
(1,622)	1:127:B:THR:HG22	1:127:C:THR:HA	20	0.91	0.26	0.98
(1,622)	1:127:B:THR:HG23	1:127:A:THR:HA	20	0.91	0.26	0.98
(1,622)	1:127:B:THR:HG21	1:127:A:THR:HA	20	0.91	0.26	0.98
(1,235)	1:149:C:LEU:HD11	1:146:B:LEU:HB2	20	0.89	0.05	0.9
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	20	0.89	0.05	0.9
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	20	0.89	0.05	0.9
(1,234)	1:149:B:LEU:HD11	1:146:A:LEU:HB2	20	0.89	0.05	0.89
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	20	0.89	0.05	0.89
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	20	0.89	0.05	0.89
(1,233)	1:149:A:LEU:HD11	1:146:D:LEU:HB2	20	0.89	0.05	0.9
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	20	0.89	0.05	0.9
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	20	0.89	0.05	0.9
(1,236)	1:149:D:LEU:HD11	1:146:C:LEU:HB2	20	0.89	0.04	0.89
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	20	0.89	0.04	0.89
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	20	0.89	0.04	0.89
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	20	0.82	0.22	0.91
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	20	0.82	0.22	0.91
(1,266)	1:148:B:MET:HE1	1:148:C:MET:HG3	20	0.82	0.22	0.91
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	20	0.82	0.22	0.89
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	20	0.82	0.22	0.89
(1,265)	1:148:A:MET:HE1	1:148:B:MET:HG3	20	0.82	0.22	0.89
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	20	0.82	0.22	0.9
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	20	0.82	0.22	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,268)	1:148:D:MET:HE1	1:148:A:MET:HG3	20	0.82	0.22	0.9
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	20	0.81	0.21	0.9
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	20	0.81	0.21	0.9
(1,267)	1:148:C:MET:HE1	1:148:D:MET:HG3	20	0.81	0.21	0.9
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	20	0.8	0.06	0.82
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	20	0.8	0.06	0.82
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD21	20	0.8	0.06	0.82
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	20	0.8	0.06	0.82
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	20	0.8	0.06	0.82
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD21	20	0.8	0.06	0.82
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	20	0.8	0.06	0.82
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	20	0.8	0.06	0.82
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD21	20	0.8	0.06	0.82
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	20	0.8	0.06	0.82
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	20	0.8	0.06	0.82
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD21	20	0.8	0.06	0.82
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	20	0.8	0.53	0.46
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	20	0.8	0.53	0.46
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	20	0.8	0.53	0.46
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	20	0.8	0.53	0.46
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	20	0.8	0.53	0.46
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	20	0.8	0.53	0.46
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	20	0.8	0.53	0.46
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	20	0.8	0.53	0.46
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	20	0.8	0.53	0.46
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB1	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB3	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB2	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB3	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB2	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB1	20	0.8	0.17	0.76
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB3	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB1	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB3	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB2	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB3	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB2	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB1	20	0.8	0.17	0.76
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB3	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB1	20	0.8	0.17	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB3	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB2	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB3	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB2	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB1	20	0.8	0.17	0.76
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB3	20	0.8	0.17	0.76
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB1	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB3	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB2	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB3	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB2	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB1	20	0.79	0.17	0.76
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB3	20	0.79	0.17	0.76
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	20	0.79	0.53	0.46
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	20	0.79	0.53	0.46
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	20	0.79	0.53	0.46
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	20	0.78	0.1	0.78
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	20	0.78	0.1	0.78
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB2	20	0.78	0.1	0.78
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	20	0.78	0.1	0.79
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	20	0.78	0.1	0.79
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB2	20	0.78	0.1	0.79
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	20	0.78	0.1	0.78
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	20	0.78	0.1	0.78
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB2	20	0.78	0.1	0.78
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	20	0.77	0.11	0.78
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	20	0.77	0.11	0.78
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB2	20	0.77	0.11	0.78
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	20	0.75	0.04	0.76
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	20	0.75	0.04	0.76
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	20	0.75	0.04	0.76
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	20	0.75	0.04	0.76
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	20	0.75	0.04	0.76
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	20	0.75	0.04	0.76
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	20	0.75	0.03	0.76
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	20	0.75	0.03	0.76
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	20	0.75	0.03	0.76
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	20	0.75	0.03	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	20	0.75	0.03	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	20	0.75	0.03	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	20	0.73	0.14	0.76
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	20	0.73	0.14	0.76
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	20	0.73	0.14	0.76
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	20	0.73	0.14	0.76
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	20	0.71	0.46	0.69
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	20	0.71	0.46	0.69
(2,1061)	1:133:A:ALA:HB3	1:129:A:ASP:HB2	20	0.71	0.46	0.69
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	20	0.71	0.46	0.68
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	20	0.71	0.46	0.68
(2,1062)	1:133:B:ALA:HB3	1:129:B:ASP:HB2	20	0.71	0.46	0.68
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	20	0.71	0.46	0.68
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	20	0.71	0.46	0.68
(2,1064)	1:133:D:ALA:HB3	1:129:D:ASP:HB2	20	0.71	0.46	0.68
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	20	0.71	0.46	0.68
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	20	0.71	0.46	0.68
(2,1063)	1:133:C:ALA:HB3	1:129:C:ASP:HB2	20	0.71	0.46	0.68
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG22	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG22	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG23	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG23	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG21	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG21	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG21	20	0.71	0.06	0.69
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG23	20	0.71	0.06	0.69
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG22	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG22	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG23	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG23	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG21	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG21	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG21	20	0.7	0.06	0.69
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG23	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG22	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG22	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG23	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG23	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG21	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG21	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG21	20	0.7	0.06	0.69
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG23	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG22	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG22	20	0.7	0.06	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG23	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG23	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG21	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG21	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG21	20	0.7	0.06	0.69
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG23	20	0.7	0.06	0.69
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	20	0.68	0.04	0.69
(2,295)	1:145:C:ILE:HD13	1:145:C:ILE:HA	20	0.68	0.04	0.69
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	20	0.68	0.04	0.69
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	20	0.68	0.04	0.69
(2,294)	1:145:B:ILE:HD13	1:145:B:ILE:HA	20	0.68	0.04	0.69
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	20	0.68	0.04	0.69
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	20	0.68	0.04	0.69
(2,296)	1:145:D:ILE:HD13	1:145:D:ILE:HA	20	0.68	0.04	0.69
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	20	0.68	0.04	0.69
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	20	0.68	0.04	0.68
(2,293)	1:145:A:ILE:HD13	1:145:A:ILE:HA	20	0.68	0.04	0.68
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	20	0.68	0.04	0.68
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	20	0.67	0.04	0.66
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	20	0.67	0.04	0.66
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	20	0.67	0.04	0.66
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	20	0.67	0.04	0.66
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	20	0.65	0.65	0.23
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	20	0.65	0.12	0.63
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	20	0.65	0.12	0.64
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	20	0.65	0.12	0.64
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	20	0.65	0.12	0.63
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	20	0.63	0.66	0.2
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	20	0.61	0.04	0.61
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	20	0.61	0.04	0.61
(2,1291)	1:153:C:VAL:HG13	1:148:B:MET:HG3	20	0.61	0.04	0.61
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	20	0.61	0.13	0.6
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	20	0.61	0.13	0.6
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD22	20	0.61	0.13	0.6
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	20	0.61	0.05	0.62
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	20	0.61	0.05	0.62
(2,1289)	1:153:A:VAL:HG13	1:148:D:MET:HG3	20	0.61	0.05	0.62
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	20	0.61	0.13	0.58
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	20	0.61	0.13	0.58
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD22	20	0.61	0.13	0.58
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	20	0.61	0.13	0.59
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	20	0.61	0.13	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD22	20	0.61	0.13	0.59
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	20	0.61	0.05	0.61
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	20	0.61	0.05	0.61
(2,1290)	1:153:B:VAL:HG13	1:148:A:MET:HG3	20	0.61	0.05	0.61
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	20	0.6	0.05	0.61
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	20	0.6	0.05	0.61
(2,1292)	1:153:D:VAL:HG13	1:148:C:MET:HG3	20	0.6	0.05	0.61
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	20	0.6	0.13	0.57
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	20	0.6	0.13	0.57
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD22	20	0.6	0.13	0.57
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	20	0.59	0.15	0.66
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	20	0.58	0.2	0.57
(1,145)	1:152:A:LEU:HD21	1:148:B:MET:HB2	20	0.58	0.2	0.57
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	20	0.58	0.2	0.57
(1,145)	1:152:A:LEU:HD22	1:148:D:MET:HB2	20	0.58	0.2	0.57
(1,145)	1:152:A:LEU:HD21	1:148:D:MET:HB2	20	0.58	0.2	0.57
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	20	0.58	0.15	0.64
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	20	0.58	0.19	0.57
(1,147)	1:152:C:LEU:HD21	1:148:D:MET:HB2	20	0.58	0.19	0.57
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	20	0.58	0.19	0.57
(1,147)	1:152:C:LEU:HD22	1:148:B:MET:HB2	20	0.58	0.19	0.57
(1,147)	1:152:C:LEU:HD21	1:148:B:MET:HB2	20	0.58	0.19	0.57
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	20	0.58	0.15	0.64
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	20	0.58	0.15	0.64
(1,146)	1:152:B:LEU:HD23	1:148:C:MET:HB2	20	0.58	0.2	0.57
(1,146)	1:152:B:LEU:HD21	1:148:C:MET:HB2	20	0.58	0.2	0.57
(1,146)	1:152:B:LEU:HD23	1:148:A:MET:HB2	20	0.58	0.2	0.57
(1,146)	1:152:B:LEU:HD22	1:148:A:MET:HB2	20	0.58	0.2	0.57
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	20	0.58	0.2	0.57
(1,146)	1:152:B:LEU:HD21	1:148:A:MET:HB2	20	0.58	0.2	0.57
(1,148)	1:152:D:LEU:HD23	1:148:A:MET:HB2	20	0.58	0.2	0.57
(1,148)	1:152:D:LEU:HD21	1:148:A:MET:HB2	20	0.58	0.2	0.57
(1,148)	1:152:D:LEU:HD23	1:148:C:MET:HB2	20	0.58	0.2	0.57
(1,148)	1:152:D:LEU:HD22	1:148:C:MET:HB2	20	0.58	0.2	0.57
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	20	0.58	0.2	0.57
(1,148)	1:152:D:LEU:HD21	1:148:C:MET:HB2	20	0.58	0.2	0.57
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	20	0.58	0.37	0.33
(1,260)	1:148:D:MET:HE1	1:145:A:ILE:HG21	20	0.58	0.37	0.33
(1,260)	1:148:D:MET:HE1	1:145:A:ILE:HG22	20	0.58	0.37	0.33
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG23	20	0.58	0.37	0.33
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG21	20	0.58	0.37	0.33
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG23	20	0.58	0.37	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG21	20	0.58	0.37	0.33
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	20	0.58	0.37	0.32
(1,258)	1:148:B:MET:HE1	1:145:C:ILE:HG21	20	0.58	0.37	0.32
(1,258)	1:148:B:MET:HE1	1:145:C:ILE:HG22	20	0.58	0.37	0.32
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG23	20	0.58	0.37	0.32
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG21	20	0.58	0.37	0.32
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG23	20	0.58	0.37	0.32
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG21	20	0.58	0.37	0.32
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	20	0.58	0.37	0.34
(1,257)	1:148:A:MET:HE1	1:145:B:ILE:HG21	20	0.58	0.37	0.34
(1,257)	1:148:A:MET:HE1	1:145:B:ILE:HG22	20	0.58	0.37	0.34
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG23	20	0.58	0.37	0.34
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG21	20	0.58	0.37	0.34
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG23	20	0.58	0.37	0.34
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG21	20	0.58	0.37	0.34
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	20	0.58	0.09	0.59
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG23	20	0.58	0.09	0.59
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG21	20	0.58	0.09	0.59
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	20	0.58	0.09	0.59
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG23	20	0.58	0.09	0.59
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG21	20	0.58	0.09	0.59
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	20	0.57	0.09	0.58
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG23	20	0.57	0.09	0.58
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG21	20	0.57	0.09	0.58
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	20	0.57	0.1	0.58
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG23	20	0.57	0.1	0.58
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG21	20	0.57	0.1	0.58
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	20	0.57	0.37	0.33
(1,259)	1:148:C:MET:HE1	1:145:D:ILE:HG21	20	0.57	0.37	0.33
(1,259)	1:148:C:MET:HE1	1:145:D:ILE:HG22	20	0.57	0.37	0.33
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG23	20	0.57	0.37	0.33
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG21	20	0.57	0.37	0.33
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG23	20	0.57	0.37	0.33
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG21	20	0.57	0.37	0.33
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG23	20	0.56	0.13	0.55
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	20	0.56	0.13	0.55
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	20	0.56	0.13	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	20	0.56	0.02	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG21	20	0.56	0.02	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	20	0.56	0.02	0.56
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG23	20	0.56	0.13	0.55
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	20	0.56	0.13	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	20	0.56	0.13	0.55
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG23	20	0.56	0.13	0.55
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	20	0.56	0.13	0.55
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	20	0.56	0.13	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	20	0.56	0.02	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG21	20	0.56	0.02	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	20	0.56	0.02	0.55
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD23	20	0.56	0.06	0.59
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	20	0.56	0.06	0.59
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	20	0.56	0.06	0.59
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD23	20	0.56	0.06	0.58
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	20	0.56	0.06	0.58
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	20	0.56	0.06	0.58
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD23	20	0.56	0.07	0.58
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	20	0.56	0.07	0.58
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	20	0.56	0.07	0.58
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD23	20	0.56	0.06	0.58
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	20	0.56	0.06	0.58
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	20	0.56	0.06	0.58
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	20	0.56	0.02	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG21	20	0.56	0.02	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	20	0.56	0.02	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	20	0.56	0.02	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG21	20	0.56	0.02	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	20	0.56	0.02	0.55
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG23	20	0.56	0.13	0.54
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	20	0.56	0.13	0.54
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	20	0.56	0.13	0.54
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	20	0.55	0.06	0.57
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	20	0.55	0.06	0.57
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	20	0.55	0.06	0.57
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	20	0.55	0.06	0.57
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	20	0.55	0.06	0.57
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	20	0.55	0.06	0.57
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB1	20	0.55	0.04	0.55
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	20	0.55	0.04	0.55
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	20	0.55	0.04	0.55
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB1	20	0.55	0.04	0.55
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	20	0.55	0.04	0.55
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	20	0.55	0.04	0.55
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	20	0.55	0.06	0.57
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	20	0.55	0.06	0.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	20	0.55	0.06	0.57
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	20	0.55	0.06	0.57
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	20	0.55	0.06	0.57
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	20	0.55	0.06	0.57
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB1	20	0.55	0.04	0.54
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	20	0.55	0.04	0.54
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	20	0.55	0.04	0.54
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB1	20	0.55	0.04	0.54
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	20	0.55	0.04	0.54
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	20	0.55	0.04	0.54
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG11	20	0.54	0.07	0.54
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	20	0.54	0.07	0.54
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG12	20	0.54	0.07	0.54
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG11	20	0.54	0.07	0.54
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	20	0.54	0.07	0.54
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG12	20	0.54	0.07	0.54
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG11	20	0.54	0.07	0.54
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	20	0.54	0.07	0.54
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG12	20	0.54	0.07	0.54
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD11	20	0.54	0.07	0.55
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD13	20	0.54	0.07	0.55
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	20	0.54	0.07	0.55
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD11	20	0.54	0.07	0.53
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD13	20	0.54	0.07	0.53
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	20	0.54	0.07	0.53
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD11	20	0.54	0.07	0.53
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD13	20	0.54	0.07	0.53
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	20	0.54	0.07	0.53
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD11	20	0.54	0.07	0.53
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD13	20	0.54	0.07	0.53
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	20	0.54	0.07	0.53
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG11	20	0.54	0.06	0.52
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	20	0.54	0.06	0.52
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG12	20	0.54	0.06	0.52
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	20	0.52	0.08	0.51
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD12	20	0.52	0.08	0.51
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD13	20	0.52	0.08	0.51
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	20	0.52	0.08	0.52
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD12	20	0.52	0.08	0.52
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD13	20	0.52	0.08	0.52
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	20	0.52	0.08	0.52
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD12	20	0.52	0.08	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD13	20	0.52	0.08	0.52
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	20	0.52	0.08	0.51
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD12	20	0.52	0.08	0.51
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD13	20	0.52	0.08	0.51
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	20	0.51	0.06	0.52
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	20	0.51	0.06	0.52
(2,990)	1:135:B:LEU:HD12	1:135:B:LEU:HB3	20	0.51	0.06	0.52
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	20	0.51	0.06	0.52
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	20	0.51	0.06	0.52
(2,989)	1:135:A:LEU:HD12	1:135:A:LEU:HB3	20	0.51	0.06	0.52
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	20	0.51	0.06	0.52
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	20	0.51	0.06	0.52
(2,991)	1:135:C:LEU:HD12	1:135:C:LEU:HB3	20	0.51	0.06	0.52
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	20	0.51	0.06	0.52
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	20	0.51	0.06	0.52
(2,992)	1:135:D:LEU:HD12	1:135:D:LEU:HB3	20	0.51	0.06	0.52
(1,230)	1:149:B:LEU:HD11	1:152:A:LEU:HB2	20	0.51	0.11	0.56
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	20	0.51	0.11	0.56
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	20	0.51	0.11	0.56
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	20	0.51	0.11	0.52
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	20	0.51	0.11	0.52
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	20	0.51	0.11	0.52
(1,373)	1:145:A:ILE:HD12	1:141:D:LYS:HA	20	0.51	0.11	0.52
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB2	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB3	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB1	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB3	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB1	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB2	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB1	20	0.51	0.09	0.53
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB3	20	0.51	0.09	0.53
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	20	0.51	0.07	0.48
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	20	0.51	0.07	0.48
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	20	0.51	0.07	0.48
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB2	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB3	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB1	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB3	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB1	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB2	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB1	20	0.51	0.09	0.52
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB3	20	0.51	0.09	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB2	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB3	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB1	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB3	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB1	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB2	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB1	20	0.51	0.09	0.53
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB3	20	0.51	0.09	0.53
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	20	0.51	0.07	0.48
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	20	0.51	0.07	0.48
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	20	0.51	0.07	0.48
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	20	0.51	0.07	0.48
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	20	0.51	0.07	0.48
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	20	0.51	0.07	0.48
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB2	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB3	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB1	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB3	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB1	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB2	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB1	20	0.51	0.09	0.52
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB3	20	0.51	0.09	0.52
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	20	0.51	0.07	0.48
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	20	0.51	0.07	0.48
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	20	0.51	0.07	0.48
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	20	0.51	0.1	0.52
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	20	0.51	0.1	0.52
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	20	0.51	0.1	0.52
(1,376)	1:145:D:ILE:HD12	1:141:C:LYS:HA	20	0.51	0.1	0.52
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	20	0.51	0.11	0.5
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	20	0.51	0.11	0.5
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	20	0.51	0.11	0.5
(1,375)	1:145:C:ILE:HD12	1:141:B:LYS:HA	20	0.51	0.11	0.5
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	20	0.51	0.1	0.52
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	20	0.51	0.1	0.52
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	20	0.51	0.1	0.52
(1,374)	1:145:B:ILE:HD12	1:141:A:LYS:HA	20	0.51	0.1	0.52
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG11	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG11	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG13	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG13	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG12	20	0.51	0.08	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG11	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG13	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG12	20	0.51	0.08	0.5
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG12	20	0.51	0.08	0.5
(1,229)	1:149:A:LEU:HD11	1:152:D:LEU:HB2	20	0.51	0.11	0.56
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	20	0.51	0.11	0.56
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	20	0.51	0.11	0.56
(1,231)	1:149:C:LEU:HD11	1:152:B:LEU:HB2	20	0.51	0.11	0.56
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	20	0.51	0.11	0.56
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	20	0.51	0.11	0.56
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG11	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG11	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG13	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG13	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG12	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG11	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG13	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG12	20	0.5	0.07	0.5
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG12	20	0.5	0.07	0.5
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG11	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG11	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG13	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG13	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG12	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG11	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG13	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG12	20	0.5	0.08	0.49
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG12	20	0.5	0.08	0.49
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	20	0.5	0.04	0.49
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD21	20	0.5	0.04	0.49
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD12	20	0.5	0.04	0.49
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD13	20	0.5	0.04	0.49
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG11	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG11	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG13	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG13	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG12	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG11	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG13	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG12	20	0.5	0.07	0.5
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG12	20	0.5	0.07	0.5
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	20	0.5	0.04	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD21	20	0.5	0.04	0.49
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD12	20	0.5	0.04	0.49
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD13	20	0.5	0.04	0.49
(1,232)	1:149:D:LEU:HD11	1:152:C:LEU:HB2	20	0.5	0.11	0.55
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	20	0.5	0.11	0.55
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	20	0.5	0.11	0.55
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	20	0.5	0.04	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD21	20	0.5	0.04	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD12	20	0.5	0.04	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD13	20	0.5	0.04	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	20	0.5	0.04	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD21	20	0.5	0.04	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD12	20	0.5	0.04	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD13	20	0.5	0.04	0.48
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	20	0.49	0.02	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG21	20	0.49	0.02	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	20	0.49	0.02	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	20	0.49	0.02	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG21	20	0.49	0.02	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	20	0.49	0.02	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	20	0.49	0.02	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG21	20	0.49	0.02	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	20	0.49	0.02	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	20	0.49	0.02	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG21	20	0.49	0.02	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	20	0.49	0.02	0.5
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	20	0.48	0.02	0.48
(2,370)	1:138:B:ILE:HD12	1:138:B:ILE:HA	20	0.48	0.02	0.48
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	20	0.48	0.02	0.48
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	20	0.48	0.03	0.48
(2,372)	1:138:D:ILE:HD12	1:138:D:ILE:HA	20	0.48	0.03	0.48
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	20	0.48	0.03	0.48
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB1	20	0.48	0.06	0.46
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	20	0.48	0.06	0.46
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	20	0.48	0.06	0.46
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	20	0.48	0.03	0.48
(2,369)	1:138:A:ILE:HD12	1:138:A:ILE:HA	20	0.48	0.03	0.48
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	20	0.48	0.03	0.48
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	20	0.48	0.03	0.48
(2,371)	1:138:C:ILE:HD12	1:138:C:ILE:HA	20	0.48	0.03	0.48
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	20	0.48	0.03	0.48
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	20	0.48	0.07	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	20	0.48	0.07	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	20	0.48	0.07	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	20	0.48	0.07	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	20	0.48	0.07	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	20	0.48	0.07	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	20	0.48	0.07	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	20	0.48	0.07	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	20	0.48	0.07	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	20	0.48	0.07	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	20	0.48	0.07	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	20	0.48	0.07	0.45
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB1	20	0.47	0.06	0.46
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	20	0.47	0.06	0.46
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	20	0.47	0.06	0.46
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB1	20	0.47	0.06	0.46
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	20	0.47	0.06	0.46
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	20	0.47	0.06	0.46
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB1	20	0.47	0.06	0.46
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	20	0.47	0.06	0.46
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	20	0.47	0.06	0.46
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	20	0.42	0.02	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	20	0.42	0.02	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG21	20	0.42	0.02	0.43
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	20	0.42	0.02	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	20	0.42	0.02	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG21	20	0.42	0.02	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	20	0.42	0.02	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	20	0.42	0.02	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG21	20	0.42	0.02	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	20	0.42	0.02	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	20	0.42	0.02	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG21	20	0.42	0.02	0.42
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	20	0.42	0.04	0.43
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	20	0.42	0.04	0.43
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	20	0.42	0.04	0.43
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	20	0.42	0.04	0.43
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	20	0.42	0.04	0.43
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	20	0.42	0.04	0.43
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	20	0.42	0.04	0.43
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	20	0.42	0.04	0.43
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	20	0.42	0.04	0.43
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	20	0.42	0.04	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	20	0.42	0.04	0.42
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	20	0.42	0.04	0.42
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	20	0.41	0.07	0.4
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	20	0.41	0.07	0.4
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG13	20	0.41	0.07	0.4
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	20	0.41	0.07	0.4
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	20	0.41	0.07	0.4
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG13	20	0.41	0.07	0.4
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	20	0.41	0.07	0.4
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	20	0.41	0.07	0.4
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG13	20	0.41	0.07	0.4
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	20	0.41	0.07	0.4
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	20	0.41	0.07	0.4
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG13	20	0.41	0.07	0.4
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	20	0.41	0.12	0.42
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	20	0.41	0.12	0.42
(1,78)	1:153:B:VAL:HG11	1:154:A:VAL:HB	20	0.41	0.12	0.42
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	20	0.41	0.13	0.4
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	20	0.41	0.13	0.4
(1,79)	1:153:C:VAL:HG11	1:154:B:VAL:HB	20	0.41	0.13	0.4
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	20	0.41	0.14	0.4
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	20	0.41	0.14	0.4
(1,77)	1:153:A:VAL:HG11	1:154:D:VAL:HB	20	0.41	0.14	0.4
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	20	0.4	0.13	0.36
(2,778)	1:142:B:LEU:HD11	1:142:B:LEU:HA	20	0.4	0.13	0.36
(2,778)	1:142:B:LEU:HD12	1:142:B:LEU:HA	20	0.4	0.13	0.36
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	20	0.4	0.13	0.36
(2,779)	1:142:C:LEU:HD11	1:142:C:LEU:HA	20	0.4	0.13	0.36
(2,779)	1:142:C:LEU:HD12	1:142:C:LEU:HA	20	0.4	0.13	0.36
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	20	0.4	0.13	0.36
(2,777)	1:142:A:LEU:HD11	1:142:A:LEU:HA	20	0.4	0.13	0.36
(2,777)	1:142:A:LEU:HD12	1:142:A:LEU:HA	20	0.4	0.13	0.36
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	20	0.4	0.13	0.36
(2,780)	1:142:D:LEU:HD11	1:142:D:LEU:HA	20	0.4	0.13	0.36
(2,780)	1:142:D:LEU:HD12	1:142:D:LEU:HA	20	0.4	0.13	0.36
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	20	0.4	0.13	0.41
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	20	0.4	0.13	0.41
(1,80)	1:153:D:VAL:HG11	1:154:C:VAL:HB	20	0.4	0.13	0.41
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	20	0.39	0.09	0.4
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG22	20	0.39	0.09	0.4
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	20	0.39	0.09	0.4
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	20	0.39	0.09	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG22	20	0.39	0.09	0.4
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	20	0.39	0.09	0.4
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	20	0.39	0.09	0.4
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG22	20	0.39	0.09	0.4
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	20	0.39	0.09	0.4
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	20	0.39	0.09	0.4
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG22	20	0.39	0.09	0.4
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	20	0.39	0.09	0.4
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	20	0.39	0.05	0.38
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	20	0.39	0.05	0.38
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG21	20	0.39	0.05	0.38
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	20	0.38	0.4	0.2
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	20	0.38	0.05	0.39
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	20	0.38	0.05	0.39
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	20	0.38	0.05	0.39
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	20	0.38	0.4	0.2
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	20	0.38	0.05	0.39
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	20	0.38	0.05	0.39
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	20	0.38	0.05	0.39
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	20	0.38	0.4	0.2
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	20	0.38	0.05	0.39
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	20	0.38	0.05	0.39
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG21	20	0.38	0.05	0.39
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	20	0.38	0.39	0.2
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	20	0.38	0.04	0.38
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	20	0.38	0.04	0.38
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	20	0.38	0.04	0.38
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	20	0.38	0.03	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	20	0.38	0.03	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	20	0.38	0.03	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	20	0.37	0.03	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	20	0.37	0.03	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	20	0.37	0.03	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	20	0.37	0.04	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	20	0.37	0.04	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	20	0.37	0.04	0.37
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	20	0.37	0.03	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	20	0.37	0.03	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	20	0.37	0.03	0.36
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	20	0.37	0.03	0.37
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	20	0.37	0.03	0.37
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	20	0.37	0.03	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	20	0.37	0.03	0.36
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	20	0.37	0.03	0.36
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	20	0.37	0.03	0.36
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	20	0.36	0.03	0.36
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	20	0.36	0.03	0.36
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	20	0.36	0.03	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	20	0.36	0.01	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	20	0.36	0.01	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	20	0.36	0.01	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	20	0.36	0.01	0.36
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	20	0.36	0.07	0.34
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG23	20	0.36	0.07	0.34
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG21	20	0.36	0.07	0.34
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	20	0.36	0.07	0.33
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG23	20	0.36	0.07	0.33
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG21	20	0.36	0.07	0.33
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	20	0.36	0.08	0.34
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG23	20	0.36	0.08	0.34
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG21	20	0.36	0.08	0.34
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	20	0.35	0.07	0.34
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG23	20	0.35	0.07	0.34
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG21	20	0.35	0.07	0.34
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	20	0.32	0.04	0.31
(1,149)	1:145:A:ILE:HG23	1:146:B:LEU:HA	20	0.32	0.04	0.31
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	20	0.32	0.04	0.31
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	20	0.32	0.04	0.31
(1,150)	1:145:B:ILE:HG23	1:146:C:LEU:HA	20	0.32	0.04	0.31
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	20	0.32	0.04	0.31
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD11	20	0.31	0.04	0.32
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	20	0.31	0.04	0.32
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	20	0.31	0.04	0.32
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD11	20	0.31	0.04	0.32
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	20	0.31	0.04	0.32
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	20	0.31	0.04	0.32
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD11	20	0.31	0.04	0.32
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	20	0.31	0.04	0.32
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	20	0.31	0.04	0.32
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD11	20	0.31	0.04	0.32
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	20	0.31	0.04	0.32
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	20	0.31	0.04	0.32
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	20	0.31	0.04	0.31
(1,152)	1:145:D:ILE:HG23	1:146:A:LEU:HA	20	0.31	0.04	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	20	0.31	0.04	0.31
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	20	0.31	0.04	0.31
(1,151)	1:145:C:ILE:HG23	1:146:D:LEU:HA	20	0.31	0.04	0.31
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	20	0.31	0.04	0.31
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	20	0.31	0.05	0.33
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	20	0.31	0.05	0.33
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	20	0.31	0.05	0.33
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	20	0.31	0.05	0.33
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	20	0.31	0.05	0.33
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	20	0.31	0.05	0.33
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	20	0.31	0.05	0.33
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	20	0.31	0.05	0.33
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	20	0.31	0.05	0.33
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	20	0.31	0.05	0.32
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	20	0.31	0.05	0.32
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	20	0.31	0.05	0.32
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG21	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG22	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE3	1:153:D:VAL:HG21	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE3	1:153:D:VAL:HG23	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG21	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG23	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG22	20	0.31	0.05	0.29
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG23	20	0.31	0.05	0.29
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG21	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG22	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE3	1:153:C:VAL:HG21	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE3	1:153:C:VAL:HG23	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG21	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG23	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG22	20	0.3	0.05	0.28
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG23	20	0.3	0.05	0.28
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG21	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG22	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE3	1:153:A:VAL:HG21	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE3	1:153:A:VAL:HG23	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG21	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG23	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG22	20	0.3	0.05	0.29
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG23	20	0.3	0.05	0.29
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG21	20	0.3	0.05	0.28
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG22	20	0.3	0.05	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1313)	1:148:A:MET:HE3	1:153:B:VAL:HG21	20	0.3	0.05	0.28
(2,1313)	1:148:A:MET:HE3	1:153:B:VAL:HG23	20	0.3	0.05	0.28
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG21	20	0.3	0.05	0.28
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG23	20	0.3	0.05	0.28
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG22	20	0.3	0.05	0.28
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG23	20	0.3	0.05	0.28
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	20	0.3	0.02	0.29
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG23	20	0.3	0.02	0.29
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	20	0.3	0.02	0.29
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	20	0.29	0.02	0.29
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG23	20	0.29	0.02	0.29
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	20	0.29	0.02	0.29
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	20	0.29	0.02	0.29
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG23	20	0.29	0.02	0.29
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	20	0.29	0.02	0.29
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	20	0.29	0.02	0.29
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG23	20	0.29	0.02	0.29
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	20	0.29	0.02	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	20	0.28	0.02	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD11	20	0.28	0.02	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD13	20	0.28	0.02	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD21	20	0.28	0.02	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD23	20	0.28	0.02	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	20	0.28	0.02	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD11	20	0.28	0.02	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD13	20	0.28	0.02	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD21	20	0.28	0.02	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD23	20	0.28	0.02	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	20	0.28	0.02	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD11	20	0.28	0.02	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD13	20	0.28	0.02	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD21	20	0.28	0.02	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD23	20	0.28	0.02	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	20	0.28	0.02	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD11	20	0.28	0.02	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD13	20	0.28	0.02	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD21	20	0.28	0.02	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD23	20	0.28	0.02	0.29
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	20	0.28	0.01	0.28
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	20	0.28	0.01	0.28
(2,78)	1:157:B:ALA:HB2	1:157:B:ALA:HA	20	0.28	0.01	0.28
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	20	0.28	0.01	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	20	0.28	0.01	0.28
(2,79)	1:157:C:ALA:HB2	1:157:C:ALA:HA	20	0.28	0.01	0.28
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	20	0.28	0.01	0.28
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	20	0.28	0.01	0.28
(2,80)	1:157:D:ALA:HB2	1:157:D:ALA:HA	20	0.28	0.01	0.28
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	20	0.28	0.01	0.27
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	20	0.28	0.01	0.27
(2,77)	1:157:A:ALA:HB2	1:157:A:ALA:HA	20	0.28	0.01	0.27
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	20	0.27	0.16	0.24
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	20	0.27	0.16	0.24
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	20	0.27	0.16	0.24
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	20	0.27	0.16	0.24
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD22	20	0.27	0.02	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	20	0.27	0.02	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	20	0.27	0.02	0.26
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD22	20	0.27	0.02	0.27
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	20	0.27	0.02	0.27
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	20	0.27	0.02	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD22	20	0.27	0.02	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	20	0.27	0.02	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	20	0.27	0.02	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD22	20	0.27	0.02	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	20	0.27	0.02	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	20	0.27	0.02	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	20	0.26	0.03	0.26
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	20	0.26	0.03	0.26
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	20	0.26	0.03	0.26
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	20	0.26	0.03	0.26
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	20	0.24	0.07	0.24
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	20	0.24	0.07	0.24
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB3	20	0.24	0.07	0.24
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	20	0.24	0.06	0.24
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	20	0.24	0.06	0.24
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB3	20	0.24	0.06	0.24
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	20	0.24	0.07	0.24
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	20	0.24	0.07	0.24
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB3	20	0.24	0.07	0.24
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	20	0.24	0.07	0.24
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	20	0.24	0.07	0.24
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB3	20	0.24	0.07	0.24
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	20	0.22	0.08	0.24
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	20	0.22	0.08	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	20	0.22	0.08	0.24
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	20	0.22	0.08	0.24
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	20	0.22	0.08	0.24
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	20	0.22	0.08	0.24
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	20	0.22	0.08	0.24
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	20	0.22	0.08	0.24
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	20	0.22	0.08	0.24
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	20	0.22	0.08	0.24
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	20	0.22	0.08	0.24
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	20	0.22	0.08	0.24
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	20	0.22	0.04	0.21
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	20	0.22	0.04	0.21
(2,713)	1:154:A:VAL:HG21	1:150:A:HIS:HA	20	0.22	0.04	0.21
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	20	0.21	0.04	0.21
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	20	0.21	0.04	0.21
(2,715)	1:154:C:VAL:HG21	1:150:C:HIS:HA	20	0.21	0.04	0.21
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	20	0.21	0.04	0.21
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	20	0.21	0.04	0.21
(2,714)	1:154:B:VAL:HG21	1:150:B:HIS:HA	20	0.21	0.04	0.21
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	20	0.21	0.04	0.21
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	20	0.21	0.04	0.21
(2,716)	1:154:D:VAL:HG21	1:150:D:HIS:HA	20	0.21	0.04	0.21
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	20	0.21	0.03	0.22
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	20	0.21	0.03	0.22
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG21	20	0.21	0.03	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	20	0.21	0.03	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	20	0.21	0.03	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG21	20	0.21	0.03	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	20	0.21	0.03	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	20	0.21	0.03	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG21	20	0.21	0.03	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	20	0.21	0.03	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	20	0.21	0.03	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG21	20	0.21	0.03	0.22
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	20	0.21	0.01	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	20	0.21	0.01	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	20	0.21	0.01	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	20	0.21	0.01	0.21
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	20	0.19	0.04	0.19
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	20	0.19	0.04	0.19
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	20	0.18	0.02	0.18
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	20	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	20	0.18	0.02	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	20	0.18	0.02	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	20	0.18	0.02	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	20	0.18	0.02	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	20	0.18	0.01	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	20	0.18	0.01	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	20	0.18	0.01	0.18
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	20	0.18	0.02	0.18
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	20	0.18	0.02	0.18
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	20	0.18	0.02	0.18
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	20	0.16	0.03	0.16
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	20	0.16	0.02	0.15
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	20	0.16	0.03	0.16
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	20	0.16	0.03	0.15
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	20	0.15	0.02	0.15
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	20	0.15	0.02	0.15
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	20	0.15	0.02	0.15
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	20	0.13	0.01	0.13
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	20	0.13	0.01	0.13
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	20	0.13	0.01	0.13
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	20	0.13	0.01	0.13
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	19	0.95	0.43	1.11
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	19	0.95	0.43	1.11
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD11	19	0.95	0.43	1.11
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	19	0.95	0.43	1.11
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	19	0.95	0.43	1.11
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD11	19	0.95	0.43	1.11
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	19	0.95	0.43	1.11
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	19	0.95	0.43	1.11
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD11	19	0.95	0.43	1.11
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	19	0.95	0.43	1.11
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	19	0.95	0.43	1.11
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD11	19	0.95	0.43	1.11
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	19	0.7	0.36	0.62
(1,522)	1:132:B:THR:HG23	1:132:A:THR:HA	19	0.7	0.36	0.62
(1,522)	1:132:B:THR:HG21	1:132:A:THR:HA	19	0.7	0.36	0.62
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	19	0.69	0.35	0.61
(1,521)	1:132:A:THR:HG23	1:132:D:THR:HA	19	0.69	0.35	0.61
(1,521)	1:132:A:THR:HG21	1:132:D:THR:HA	19	0.69	0.35	0.61
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	19	0.69	0.35	0.6
(1,523)	1:132:C:THR:HG23	1:132:B:THR:HA	19	0.69	0.35	0.6
(1,523)	1:132:C:THR:HG21	1:132:B:THR:HA	19	0.69	0.35	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	19	0.69	0.35	0.63
(1,524)	1:132:D:THR:HG23	1:132:C:THR:HA	19	0.69	0.35	0.63
(1,524)	1:132:D:THR:HG21	1:132:C:THR:HA	19	0.69	0.35	0.63
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	19	0.66	0.67	0.2
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	19	0.66	0.67	0.2
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	19	0.62	0.14	0.62
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	19	0.62	0.14	0.62
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD23	19	0.62	0.14	0.62
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	19	0.61	0.14	0.61
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	19	0.61	0.14	0.61
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD23	19	0.61	0.14	0.61
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	19	0.61	0.14	0.61
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	19	0.61	0.14	0.61
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD23	19	0.61	0.14	0.61
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	19	0.61	0.14	0.61
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	19	0.61	0.14	0.61
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD23	19	0.61	0.14	0.61
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	19	0.42	0.14	0.43
(1,102)	1:153:B:VAL:HG23	1:152:A:LEU:HB3	19	0.42	0.14	0.43
(1,102)	1:153:B:VAL:HG21	1:152:A:LEU:HB3	19	0.42	0.14	0.43
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	19	0.42	0.15	0.42
(1,101)	1:153:A:VAL:HG23	1:152:D:LEU:HB3	19	0.42	0.15	0.42
(1,101)	1:153:A:VAL:HG21	1:152:D:LEU:HB3	19	0.42	0.15	0.42
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	19	0.42	0.15	0.43
(1,103)	1:153:C:VAL:HG23	1:152:B:LEU:HB3	19	0.42	0.15	0.43
(1,103)	1:153:C:VAL:HG21	1:152:B:LEU:HB3	19	0.42	0.15	0.43
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	19	0.42	0.14	0.41
(1,104)	1:153:D:VAL:HG23	1:152:C:LEU:HB3	19	0.42	0.14	0.41
(1,104)	1:153:D:VAL:HG21	1:152:C:LEU:HB3	19	0.42	0.14	0.41
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	19	0.41	0.22	0.37
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	19	0.41	0.22	0.37
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	19	0.41	0.22	0.37
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	19	0.4	0.22	0.36
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	19	0.4	0.22	0.36
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	19	0.4	0.22	0.36
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	19	0.4	0.22	0.37
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	19	0.4	0.22	0.37
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	19	0.4	0.22	0.37
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	19	0.35	0.08	0.34
(2,945)	1:138:A:ILE:HG23	1:135:A:LEU:HA	19	0.35	0.08	0.34
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	19	0.35	0.08	0.34
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	19	0.35	0.08	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,947)	1:138:C:ILE:HG23	1:135:C:LEU:HA	19	0.35	0.08	0.34
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	19	0.35	0.08	0.34
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	19	0.35	0.08	0.34
(2,946)	1:138:B:ILE:HG23	1:135:B:LEU:HA	19	0.35	0.08	0.34
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	19	0.35	0.08	0.34
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	19	0.35	0.08	0.34
(2,948)	1:138:D:ILE:HG23	1:135:D:LEU:HA	19	0.35	0.08	0.34
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	19	0.35	0.08	0.34
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD11	19	0.27	0.08	0.27
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD13	19	0.27	0.08	0.27
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	19	0.27	0.08	0.27
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD11	19	0.27	0.08	0.27
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD13	19	0.27	0.08	0.27
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	19	0.27	0.08	0.27
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD11	19	0.27	0.08	0.27
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD13	19	0.27	0.08	0.27
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	19	0.27	0.08	0.27
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD11	19	0.27	0.08	0.27
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD13	19	0.27	0.08	0.27
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	19	0.27	0.08	0.27
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	19	0.22	0.05	0.22
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	19	0.22	0.05	0.22
(2,1293)	1:152:A:LEU:HD13	1:153:B:VAL:HB	19	0.22	0.05	0.22
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	19	0.22	0.05	0.22
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	19	0.22	0.05	0.22
(2,1294)	1:152:B:LEU:HD13	1:153:C:VAL:HB	19	0.22	0.05	0.22
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	19	0.22	0.05	0.23
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	19	0.22	0.05	0.23
(2,1296)	1:152:D:LEU:HD13	1:153:A:VAL:HB	19	0.22	0.05	0.23
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	19	0.22	0.05	0.22
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	19	0.22	0.05	0.22
(2,1295)	1:152:C:LEU:HD13	1:153:D:VAL:HB	19	0.22	0.05	0.22
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	19	0.2	0.04	0.19
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	19	0.2	0.04	0.19
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	19	0.17	0.04	0.17
(1,281)	1:152:A:LEU:HD21	1:149:B:LEU:HA	19	0.17	0.04	0.17
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	19	0.17	0.04	0.17
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	19	0.17	0.03	0.16
(1,282)	1:152:B:LEU:HD21	1:149:C:LEU:HA	19	0.17	0.03	0.16
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	19	0.17	0.03	0.16
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	19	0.17	0.03	0.16
(1,284)	1:152:D:LEU:HD21	1:149:A:LEU:HA	19	0.17	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	19	0.17	0.03	0.16
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	19	0.16	0.01	0.15
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	19	0.16	0.01	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	19	0.16	0.01	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	19	0.16	0.01	0.15
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	19	0.15	0.02	0.15
(2,174)	1:151:B:THR:HG23	1:151:B:THR:HB	19	0.15	0.02	0.15
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	19	0.15	0.02	0.15
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	19	0.15	0.02	0.15
(2,176)	1:151:D:THR:HG23	1:151:D:THR:HB	19	0.15	0.02	0.15
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	19	0.15	0.02	0.15
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	19	0.12	0.0	0.12
(2,89)	1:154:A:VAL:HG12	1:154:A:VAL:HB	19	0.12	0.0	0.12
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	19	0.12	0.0	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	19	0.12	0.0	0.12
(2,90)	1:154:B:VAL:HG12	1:154:B:VAL:HB	19	0.12	0.0	0.12
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	19	0.12	0.0	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	19	0.12	0.0	0.12
(2,91)	1:154:C:VAL:HG12	1:154:C:VAL:HB	19	0.12	0.0	0.12
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	19	0.12	0.0	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	19	0.12	0.0	0.12
(2,92)	1:154:D:VAL:HG12	1:154:D:VAL:HB	19	0.12	0.0	0.12
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	19	0.12	0.0	0.12
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	18	1.27	0.33	1.36
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	18	1.27	0.33	1.36
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	18	1.26	0.33	1.36
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	18	1.26	0.33	1.34
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	18	1.05	0.54	1.37
(2,1025)	1:127:A:THR:HG22	1:128:A:ASN:HB3	18	1.05	0.54	1.37
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	18	1.05	0.54	1.37
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	18	1.05	0.54	1.38
(2,1027)	1:127:C:THR:HG22	1:128:C:ASN:HB3	18	1.05	0.54	1.38
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	18	1.05	0.54	1.38
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	18	1.05	0.54	1.37
(2,1028)	1:127:D:THR:HG22	1:128:D:ASN:HB3	18	1.05	0.54	1.37
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	18	1.05	0.54	1.37
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	18	1.05	0.54	1.37
(2,1026)	1:127:B:THR:HG22	1:128:B:ASN:HB3	18	1.05	0.54	1.37
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	18	1.05	0.54	1.37
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB2	18	0.62	0.52	0.34
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	18	0.62	0.52	0.34
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB1	18	0.62	0.52	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB2	18	0.62	0.52	0.34
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	18	0.62	0.52	0.34
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB1	18	0.62	0.52	0.34
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB2	18	0.62	0.53	0.34
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	18	0.62	0.53	0.34
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB1	18	0.62	0.53	0.34
(1,297)	1:146:A:LEU:HD22	1:141:D:LYS:HE3	18	0.42	0.22	0.37
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	18	0.42	0.22	0.37
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	18	0.42	0.22	0.37
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	18	0.27	0.05	0.26
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG23	18	0.27	0.05	0.26
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG22	18	0.27	0.05	0.26
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	18	0.27	0.05	0.26
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG23	18	0.27	0.05	0.26
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG22	18	0.27	0.05	0.26
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	18	0.27	0.05	0.26
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG23	18	0.27	0.05	0.26
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG22	18	0.27	0.05	0.26
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	18	0.27	0.05	0.26
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG23	18	0.27	0.05	0.26
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG22	18	0.27	0.05	0.26
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	18	0.18	0.06	0.15
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	18	0.18	0.06	0.16
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	18	0.18	0.06	0.16
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	18	0.17	0.05	0.15
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	18	0.17	0.04	0.16
(1,283)	1:152:C:LEU:HD21	1:149:D:LEU:HA	18	0.17	0.04	0.16
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	18	0.17	0.04	0.16
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	18	0.15	0.02	0.15
(2,173)	1:151:A:THR:HG23	1:151:A:THR:HB	18	0.15	0.02	0.15
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	18	0.15	0.02	0.15
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	18	0.14	0.03	0.14
(1,414)	1:142:B:LEU:HD12	1:142:A:LEU:HD23	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD13	1:142:A:LEU:HD23	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD12	1:142:A:LEU:HD21	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD13	1:142:C:LEU:HD22	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD11	1:142:A:LEU:HD23	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD13	1:142:A:LEU:HD22	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD13	1:142:C:LEU:HD21	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD11	1:142:A:LEU:HD21	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD11	1:142:C:LEU:HD22	17	1.05	0.28	1.16
(1,414)	1:142:B:LEU:HD12	1:142:C:LEU:HD22	17	1.05	0.28	1.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,415)	1:142:C:LEU:HD12	1:142:B:LEU:HD23	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD13	1:142:B:LEU:HD23	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD12	1:142:B:LEU:HD21	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD13	1:142:D:LEU:HD22	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD11	1:142:B:LEU:HD23	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD13	1:142:B:LEU:HD22	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD13	1:142:D:LEU:HD21	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD11	1:142:B:LEU:HD21	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD11	1:142:D:LEU:HD22	17	1.05	0.28	1.16
(1,415)	1:142:C:LEU:HD12	1:142:D:LEU:HD22	17	1.05	0.28	1.16
(1,413)	1:142:A:LEU:HD12	1:142:D:LEU:HD23	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD13	1:142:D:LEU:HD23	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD12	1:142:D:LEU:HD21	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD13	1:142:B:LEU:HD22	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD11	1:142:D:LEU:HD23	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD13	1:142:D:LEU:HD22	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD13	1:142:B:LEU:HD21	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD11	1:142:D:LEU:HD21	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD11	1:142:B:LEU:HD22	17	1.04	0.28	1.15
(1,413)	1:142:A:LEU:HD12	1:142:B:LEU:HD22	17	1.04	0.28	1.15
(1,416)	1:142:D:LEU:HD12	1:142:C:LEU:HD23	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD13	1:142:C:LEU:HD23	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD12	1:142:C:LEU:HD21	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD13	1:142:A:LEU:HD22	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD11	1:142:C:LEU:HD23	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD13	1:142:C:LEU:HD22	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD13	1:142:A:LEU:HD21	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD11	1:142:C:LEU:HD21	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD11	1:142:A:LEU:HD22	17	1.04	0.28	1.16
(1,416)	1:142:D:LEU:HD12	1:142:A:LEU:HD22	17	1.04	0.28	1.16
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	17	0.91	0.4	0.87
(1,21)	1:159:A:PRO:HD2	1:158:D:GLY:HA3	17	0.91	0.4	0.87
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	17	0.91	0.4	0.88
(1,22)	1:159:B:PRO:HD2	1:158:A:GLY:HA3	17	0.91	0.4	0.88
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	17	0.9	0.4	0.89
(1,24)	1:159:D:PRO:HD2	1:158:C:GLY:HA3	17	0.9	0.4	0.89
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	17	0.9	0.58	0.57
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	17	0.9	0.58	0.57
(2,1357)	1:132:A:THR:HG21	1:134:D:ARG:HD2	17	0.9	0.58	0.57
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	17	0.9	0.58	0.59
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	17	0.9	0.58	0.59
(2,1358)	1:132:B:THR:HG21	1:134:A:ARG:HD2	17	0.9	0.58	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	17	0.89	0.58	0.58
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	17	0.89	0.58	0.58
(2,1359)	1:132:C:THR:HG21	1:134:B:ARG:HD2	17	0.89	0.58	0.58
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	17	0.89	0.59	0.58
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	17	0.89	0.59	0.58
(2,1360)	1:132:D:THR:HG21	1:134:C:ARG:HD2	17	0.89	0.59	0.58
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	17	0.89	0.4	0.87
(1,23)	1:159:C:PRO:HD2	1:158:B:GLY:HA3	17	0.89	0.4	0.87
(1,394)	1:142:B:LEU:HD23	1:146:C:LEU:HG	17	0.77	0.16	0.75
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	17	0.77	0.16	0.75
(1,394)	1:142:B:LEU:HD22	1:146:C:LEU:HG	17	0.77	0.16	0.75
(1,393)	1:142:A:LEU:HD23	1:146:B:LEU:HG	17	0.77	0.16	0.78
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	17	0.77	0.16	0.78
(1,393)	1:142:A:LEU:HD22	1:146:B:LEU:HG	17	0.77	0.16	0.78
(1,395)	1:142:C:LEU:HD23	1:146:D:LEU:HG	17	0.77	0.16	0.77
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	17	0.77	0.16	0.77
(1,395)	1:142:C:LEU:HD22	1:146:D:LEU:HG	17	0.77	0.16	0.77
(1,396)	1:142:D:LEU:HD23	1:146:A:LEU:HG	17	0.76	0.16	0.74
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	17	0.76	0.16	0.74
(1,396)	1:142:D:LEU:HD22	1:146:A:LEU:HG	17	0.76	0.16	0.74
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB2	17	0.65	0.53	0.36
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	17	0.65	0.53	0.36
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB1	17	0.65	0.53	0.36
(2,317)	1:142:A:LEU:HD23	1:142:A:LEU:HA	17	0.61	0.03	0.6
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	17	0.61	0.03	0.6
(2,317)	1:142:A:LEU:HD22	1:142:A:LEU:HA	17	0.61	0.03	0.6
(2,320)	1:142:D:LEU:HD23	1:142:D:LEU:HA	17	0.61	0.03	0.6
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	17	0.61	0.03	0.6
(2,320)	1:142:D:LEU:HD22	1:142:D:LEU:HA	17	0.61	0.03	0.6
(2,318)	1:142:B:LEU:HD23	1:142:B:LEU:HA	17	0.61	0.03	0.6
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	17	0.61	0.03	0.6
(2,318)	1:142:B:LEU:HD22	1:142:B:LEU:HA	17	0.61	0.03	0.6
(2,319)	1:142:C:LEU:HD23	1:142:C:LEU:HA	17	0.61	0.03	0.6
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	17	0.61	0.03	0.6
(2,319)	1:142:C:LEU:HD22	1:142:C:LEU:HA	17	0.61	0.03	0.6
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	17	0.48	0.37	0.31
(1,29)	1:159:A:PRO:HD3	1:158:D:GLY:HA3	17	0.48	0.37	0.31
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	17	0.47	0.37	0.3
(1,30)	1:159:B:PRO:HD3	1:158:A:GLY:HA3	17	0.47	0.37	0.3
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	17	0.47	0.37	0.28
(1,32)	1:159:D:PRO:HD3	1:158:C:GLY:HA3	17	0.47	0.37	0.28
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	17	0.38	0.04	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	17	0.38	0.04	0.4
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	17	0.38	0.04	0.4
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	17	0.38	0.04	0.4
(2,81)	1:157:A:ALA:HB2	1:153:A:VAL:HA	17	0.26	0.03	0.25
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	17	0.26	0.03	0.25
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	17	0.26	0.03	0.25
(2,82)	1:157:B:ALA:HB2	1:153:B:VAL:HA	17	0.26	0.03	0.25
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	17	0.26	0.03	0.25
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	17	0.26	0.03	0.25
(2,84)	1:157:D:ALA:HB2	1:153:D:VAL:HA	17	0.26	0.03	0.25
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	17	0.26	0.03	0.25
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	17	0.26	0.03	0.25
(2,83)	1:157:C:ALA:HB2	1:153:C:VAL:HA	17	0.26	0.03	0.25
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	17	0.26	0.03	0.25
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	17	0.26	0.03	0.25
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	17	0.25	0.08	0.26
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG23	17	0.25	0.08	0.26
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	17	0.25	0.08	0.26
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	17	0.25	0.08	0.26
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG23	17	0.25	0.08	0.26
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	17	0.25	0.08	0.26
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	17	0.24	0.08	0.25
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG23	17	0.24	0.08	0.25
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	17	0.24	0.08	0.25
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	17	0.24	0.08	0.25
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG23	17	0.24	0.08	0.25
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	17	0.24	0.08	0.25
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	17	0.16	0.02	0.16
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	17	0.16	0.02	0.17
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	17	0.16	0.02	0.16
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	17	0.16	0.04	0.16
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	17	0.16	0.04	0.16
(2,1331)	1:146:C:LEU:HD21	1:145:B:ILE:HA	17	0.16	0.04	0.16
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	17	0.16	0.04	0.16
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	17	0.16	0.04	0.16
(2,1329)	1:146:A:LEU:HD21	1:145:D:ILE:HA	17	0.16	0.04	0.16
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	17	0.16	0.02	0.16
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	17	0.15	0.03	0.13
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	17	0.14	0.03	0.14
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	17	0.14	0.03	0.13
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	16	0.49	0.38	0.31
(1,31)	1:159:C:PRO:HD3	1:158:B:GLY:HA3	16	0.49	0.38	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	16	0.42	0.04	0.44
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG22	16	0.42	0.04	0.44
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	16	0.42	0.04	0.44
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	16	0.42	0.04	0.44
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG22	16	0.42	0.04	0.44
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	16	0.42	0.04	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	16	0.42	0.05	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG22	16	0.42	0.05	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	16	0.42	0.05	0.44
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	16	0.42	0.04	0.43
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG22	16	0.42	0.04	0.43
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	16	0.42	0.04	0.43
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	16	0.32	0.16	0.29
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG22	16	0.32	0.16	0.29
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG23	16	0.32	0.16	0.29
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	16	0.32	0.16	0.29
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG22	16	0.32	0.16	0.29
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG23	16	0.32	0.16	0.29
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	16	0.32	0.16	0.28
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG22	16	0.32	0.16	0.28
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG23	16	0.32	0.16	0.28
(2,1330)	1:146:B:LEU:HD23	1:145:A:ILE:HA	16	0.17	0.03	0.17
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	16	0.17	0.03	0.17
(2,1330)	1:146:B:LEU:HD21	1:145:A:ILE:HA	16	0.17	0.03	0.17
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	16	0.16	0.03	0.16
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG12	16	0.16	0.03	0.16
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG13	16	0.16	0.03	0.16
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	16	0.14	0.03	0.15
(1,642)	1:145:B:ILE:HG23	1:149:C:LEU:HG	16	0.14	0.03	0.15
(1,642)	1:145:B:ILE:HG22	1:149:C:LEU:HG	16	0.14	0.03	0.15
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	16	0.14	0.02	0.14
(1,644)	1:145:D:ILE:HG23	1:149:A:LEU:HG	16	0.14	0.02	0.14
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	16	0.14	0.02	0.14
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	15	0.33	0.16	0.31
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG22	15	0.33	0.16	0.31
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG23	15	0.33	0.16	0.31
(1,466)	1:155:B:ALA:HB3	1:156:C:SER:HA	15	0.33	0.07	0.32
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	15	0.33	0.07	0.32
(1,466)	1:155:B:ALA:HB2	1:156:C:SER:HA	15	0.33	0.07	0.32
(1,468)	1:155:D:ALA:HB3	1:156:A:SER:HA	15	0.33	0.07	0.31
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	15	0.33	0.07	0.31
(1,468)	1:155:D:ALA:HB2	1:156:A:SER:HA	15	0.33	0.07	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,465)	1:155:A:ALA:HB3	1:156:B:SER:HA	15	0.33	0.07	0.31
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	15	0.33	0.07	0.31
(1,465)	1:155:A:ALA:HB2	1:156:B:SER:HA	15	0.33	0.07	0.31
(1,467)	1:155:C:ALA:HB3	1:156:D:SER:HA	15	0.32	0.07	0.29
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	15	0.32	0.07	0.29
(1,467)	1:155:C:ALA:HB2	1:156:D:SER:HA	15	0.32	0.07	0.29
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG22	15	0.27	0.06	0.28
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	15	0.27	0.06	0.28
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	15	0.27	0.06	0.28
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG22	15	0.27	0.06	0.28
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	15	0.27	0.06	0.28
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	15	0.27	0.06	0.28
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG22	15	0.27	0.06	0.28
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	15	0.27	0.06	0.28
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	15	0.27	0.06	0.28
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG22	15	0.27	0.06	0.28
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	15	0.27	0.06	0.28
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	15	0.27	0.06	0.28
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	15	0.25	0.09	0.25
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG23	15	0.25	0.09	0.25
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG21	15	0.25	0.09	0.25
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	15	0.2	0.04	0.21
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	15	0.2	0.04	0.2
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	15	0.2	0.04	0.2
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	15	0.2	0.04	0.2
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	15	0.16	0.03	0.16
(2,1332)	1:146:D:LEU:HD21	1:145:C:ILE:HA	15	0.16	0.03	0.16
(2,1332)	1:146:D:LEU:HD22	1:145:C:ILE:HA	15	0.16	0.03	0.16
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	15	0.15	0.02	0.15
(1,641)	1:145:A:ILE:HG23	1:149:B:LEU:HG	15	0.15	0.02	0.15
(1,641)	1:145:A:ILE:HG22	1:149:B:LEU:HG	15	0.15	0.02	0.15
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	15	0.15	0.02	0.15
(1,643)	1:145:C:ILE:HG23	1:149:D:LEU:HG	15	0.15	0.02	0.15
(1,643)	1:145:C:ILE:HG22	1:149:D:LEU:HG	15	0.15	0.02	0.15
(2,1005)	1:132:A:THR:HG23	1:135:A:LEU:HD11	14	0.57	0.35	0.46
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD12	14	0.57	0.35	0.46
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD13	14	0.57	0.35	0.46
(2,1005)	1:132:A:THR:HG23	1:135:A:LEU:HD13	14	0.57	0.35	0.46
(2,1005)	1:132:A:THR:HG21	1:135:A:LEU:HD13	14	0.57	0.35	0.46
(2,1005)	1:132:A:THR:HG21	1:135:A:LEU:HD12	14	0.57	0.35	0.46
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD11	14	0.57	0.35	0.46
(2,1006)	1:132:B:THR:HG23	1:135:B:LEU:HD11	14	0.57	0.35	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD12	14	0.57	0.35	0.45
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD13	14	0.57	0.35	0.45
(2,1006)	1:132:B:THR:HG23	1:135:B:LEU:HD13	14	0.57	0.35	0.45
(2,1006)	1:132:B:THR:HG21	1:135:B:LEU:HD13	14	0.57	0.35	0.45
(2,1006)	1:132:B:THR:HG21	1:135:B:LEU:HD12	14	0.57	0.35	0.45
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD11	14	0.57	0.35	0.45
(2,1007)	1:132:C:THR:HG23	1:135:C:LEU:HD11	14	0.56	0.35	0.45
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD12	14	0.56	0.35	0.45
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD13	14	0.56	0.35	0.45
(2,1007)	1:132:C:THR:HG23	1:135:C:LEU:HD13	14	0.56	0.35	0.45
(2,1007)	1:132:C:THR:HG21	1:135:C:LEU:HD13	14	0.56	0.35	0.45
(2,1007)	1:132:C:THR:HG21	1:135:C:LEU:HD12	14	0.56	0.35	0.45
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD11	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG23	1:135:D:LEU:HD11	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD12	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD13	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG23	1:135:D:LEU:HD13	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG21	1:135:D:LEU:HD13	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG21	1:135:D:LEU:HD12	14	0.56	0.35	0.45
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD11	14	0.56	0.35	0.45
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG22	14	0.48	0.16	0.52
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG23	14	0.48	0.16	0.52
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	14	0.48	0.16	0.52
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG22	14	0.47	0.15	0.52
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG23	14	0.47	0.15	0.52
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	14	0.47	0.15	0.52
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG22	14	0.47	0.16	0.52
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG23	14	0.47	0.16	0.52
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	14	0.47	0.16	0.52
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG22	14	0.47	0.15	0.5
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG23	14	0.47	0.15	0.5
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	14	0.47	0.15	0.5
(2,438)	1:135:B:LEU:HD13	1:135:B:LEU:HA	14	0.42	0.11	0.38
(2,438)	1:135:B:LEU:HD12	1:135:B:LEU:HA	14	0.42	0.11	0.38
(2,438)	1:135:B:LEU:HD11	1:135:B:LEU:HA	14	0.42	0.11	0.38
(2,440)	1:135:D:LEU:HD13	1:135:D:LEU:HA	14	0.41	0.11	0.38
(2,440)	1:135:D:LEU:HD12	1:135:D:LEU:HA	14	0.41	0.11	0.38
(2,440)	1:135:D:LEU:HD11	1:135:D:LEU:HA	14	0.41	0.11	0.38
(2,437)	1:135:A:LEU:HD13	1:135:A:LEU:HA	14	0.41	0.11	0.38
(2,437)	1:135:A:LEU:HD12	1:135:A:LEU:HA	14	0.41	0.11	0.38
(2,437)	1:135:A:LEU:HD11	1:135:A:LEU:HA	14	0.41	0.11	0.38
(2,439)	1:135:C:LEU:HD13	1:135:C:LEU:HA	14	0.41	0.11	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,439)	1:135:C:LEU:HD12	1:135:C:LEU:HA	14	0.41	0.11	0.38
(2,439)	1:135:C:LEU:HD11	1:135:C:LEU:HA	14	0.41	0.11	0.38
(2,1078)	1:131:B:ILE:HD12	1:127:B:THR:HB	14	0.35	0.17	0.29
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	14	0.35	0.17	0.29
(2,1078)	1:131:B:ILE:HD11	1:127:B:THR:HB	14	0.35	0.17	0.29
(2,1080)	1:131:D:ILE:HD12	1:127:D:THR:HB	14	0.35	0.17	0.3
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	14	0.35	0.17	0.3
(2,1080)	1:131:D:ILE:HD11	1:127:D:THR:HB	14	0.35	0.17	0.3
(2,1079)	1:131:C:ILE:HD12	1:127:C:THR:HB	14	0.35	0.17	0.3
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	14	0.35	0.17	0.3
(2,1079)	1:131:C:ILE:HD11	1:127:C:THR:HB	14	0.35	0.17	0.3
(2,1077)	1:131:A:ILE:HD12	1:127:A:THR:HB	14	0.35	0.17	0.29
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	14	0.35	0.17	0.29
(2,1077)	1:131:A:ILE:HD11	1:127:A:THR:HB	14	0.35	0.17	0.29
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	14	0.26	0.09	0.25
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG23	14	0.26	0.09	0.25
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG21	14	0.26	0.09	0.25
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	14	0.26	0.09	0.24
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG23	14	0.26	0.09	0.24
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG21	14	0.26	0.09	0.24
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	14	0.26	0.09	0.24
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG23	14	0.26	0.09	0.24
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG21	14	0.26	0.09	0.24
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	14	0.16	0.03	0.16
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG12	14	0.16	0.03	0.16
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG13	14	0.16	0.03	0.16
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	14	0.16	0.03	0.16
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG12	14	0.16	0.03	0.16
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG13	14	0.16	0.03	0.16
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	14	0.16	0.03	0.16
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG12	14	0.16	0.03	0.16
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG13	14	0.16	0.03	0.16
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD13	14	0.12	0.03	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD22	14	0.12	0.03	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD21	14	0.12	0.03	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD23	14	0.12	0.03	0.11
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	13	1.14	0.34	1.18
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	13	1.14	0.34	1.18
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	13	0.85	0.63	0.48
(2,1138)	1:131:B:ILE:HG23	1:135:B:LEU:HB3	13	0.85	0.63	0.48
(2,1138)	1:131:B:ILE:HG22	1:135:B:LEU:HB3	13	0.85	0.63	0.48
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	13	0.85	0.63	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1140)	1:131:D:ILE:HG23	1:135:D:LEU:HB3	13	0.85	0.63	0.48
(2,1140)	1:131:D:ILE:HG22	1:135:D:LEU:HB3	13	0.85	0.63	0.48
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	13	0.85	0.63	0.48
(2,1139)	1:131:C:ILE:HG23	1:135:C:LEU:HB3	13	0.85	0.63	0.48
(2,1139)	1:131:C:ILE:HG22	1:135:C:LEU:HB3	13	0.85	0.63	0.48
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	13	0.85	0.63	0.48
(2,1137)	1:131:A:ILE:HG23	1:135:A:LEU:HB3	13	0.85	0.63	0.48
(2,1137)	1:131:A:ILE:HG22	1:135:A:LEU:HB3	13	0.85	0.63	0.48
(1,652)	1:127:D:THR:HG21	1:128:A:ASN:HA	13	0.37	0.1	0.38
(1,652)	1:127:D:THR:HG22	1:128:A:ASN:HA	13	0.37	0.1	0.38
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	13	0.37	0.1	0.38
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	13	0.14	0.01	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	13	0.14	0.01	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	13	0.14	0.01	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	13	0.14	0.01	0.14
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD13	13	0.12	0.03	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD22	13	0.12	0.03	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD21	13	0.12	0.03	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD23	13	0.12	0.03	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	13	0.11	0.01	0.11
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	12	1.23	0.16	1.23
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	12	1.22	0.16	1.22
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	12	1.17	0.33	1.25
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	12	1.17	0.33	1.24
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	12	1.17	0.33	1.25
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	12	1.17	0.33	1.25
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	12	0.58	0.03	0.59
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	12	0.58	0.03	0.59
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	12	0.58	0.03	0.59
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	12	0.58	0.03	0.59
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	12	0.54	0.67	0.16
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD13	12	0.43	0.09	0.42
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD12	12	0.43	0.09	0.42
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD11	12	0.43	0.09	0.42
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD13	12	0.43	0.09	0.42
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD12	12	0.43	0.09	0.42
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD11	12	0.43	0.09	0.42
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD13	12	0.43	0.09	0.42
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD12	12	0.43	0.09	0.42
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD11	12	0.43	0.09	0.42
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD13	12	0.43	0.09	0.42
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD12	12	0.43	0.09	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD11	12	0.43	0.09	0.42
(1,650)	1:127:B:THR:HG21	1:128:C:ASN:HA	12	0.39	0.07	0.38
(1,650)	1:127:B:THR:HG22	1:128:C:ASN:HA	12	0.39	0.07	0.38
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	12	0.39	0.07	0.38
(1,649)	1:127:A:THR:HG21	1:128:B:ASN:HA	12	0.39	0.08	0.39
(1,649)	1:127:A:THR:HG22	1:128:B:ASN:HA	12	0.39	0.08	0.39
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	12	0.39	0.08	0.39
(1,651)	1:127:C:THR:HG21	1:128:D:ASN:HA	12	0.39	0.08	0.38
(1,651)	1:127:C:THR:HG22	1:128:D:ASN:HA	12	0.39	0.08	0.38
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	12	0.39	0.08	0.38
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	12	0.35	0.05	0.36
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	12	0.35	0.05	0.36
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	12	0.35	0.05	0.36
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	12	0.35	0.05	0.36
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD12	12	0.25	0.1	0.25
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD13	12	0.25	0.1	0.25
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD11	12	0.25	0.1	0.25
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD13	12	0.12	0.03	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD22	12	0.12	0.03	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD21	12	0.12	0.03	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD23	12	0.12	0.03	0.12
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD13	12	0.12	0.03	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD22	12	0.12	0.03	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD21	12	0.12	0.03	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD23	12	0.12	0.03	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	12	0.11	0.01	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	12	0.11	0.01	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	12	0.11	0.01	0.11
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	11	1.31	0.29	1.47
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	11	1.31	0.28	1.48
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	11	1.31	0.28	1.47
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	11	1.31	0.29	1.47
(1,1)	1:162:A:ALA:HB1	1:160:D:THR:HB	11	1.11	0.38	1.1
(1,1)	1:162:A:ALA:HB3	1:160:D:THR:HB	11	1.11	0.38	1.1
(1,1)	1:162:A:ALA:HB2	1:160:D:THR:HB	11	1.11	0.38	1.1
(1,1)	1:162:A:ALA:HB1	1:160:B:THR:HB	11	1.11	0.38	1.1
(1,1)	1:162:A:ALA:HB3	1:160:B:THR:HB	11	1.11	0.38	1.1
(1,3)	1:162:C:ALA:HB1	1:160:B:THR:HB	11	1.11	0.38	1.07
(1,3)	1:162:C:ALA:HB3	1:160:B:THR:HB	11	1.11	0.38	1.07
(1,3)	1:162:C:ALA:HB2	1:160:B:THR:HB	11	1.11	0.38	1.07
(1,3)	1:162:C:ALA:HB1	1:160:D:THR:HB	11	1.11	0.38	1.07
(1,3)	1:162:C:ALA:HB3	1:160:D:THR:HB	11	1.11	0.38	1.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2)	1:162:B:ALA:HB1	1:160:A:THR:HB	11	1.11	0.39	1.02
(1,2)	1:162:B:ALA:HB3	1:160:A:THR:HB	11	1.11	0.39	1.02
(1,2)	1:162:B:ALA:HB2	1:160:A:THR:HB	11	1.11	0.39	1.02
(1,2)	1:162:B:ALA:HB1	1:160:C:THR:HB	11	1.11	0.39	1.02
(1,2)	1:162:B:ALA:HB3	1:160:C:THR:HB	11	1.11	0.39	1.02
(1,4)	1:162:D:ALA:HB1	1:160:C:THR:HB	11	1.1	0.39	1.03
(1,4)	1:162:D:ALA:HB3	1:160:C:THR:HB	11	1.1	0.39	1.03
(1,4)	1:162:D:ALA:HB2	1:160:C:THR:HB	11	1.1	0.39	1.03
(1,4)	1:162:D:ALA:HB1	1:160:A:THR:HB	11	1.1	0.39	1.03
(1,4)	1:162:D:ALA:HB3	1:160:A:THR:HB	11	1.1	0.39	1.03
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	11	0.76	0.41	0.65
(1,493)	1:135:A:LEU:HD13	1:131:D:ILE:HB	11	0.59	0.25	0.63
(1,493)	1:135:A:LEU:HD12	1:131:D:ILE:HB	11	0.59	0.25	0.63
(1,493)	1:135:A:LEU:HD11	1:131:D:ILE:HB	11	0.59	0.25	0.63
(1,496)	1:135:D:LEU:HD13	1:131:C:ILE:HB	11	0.59	0.25	0.63
(1,496)	1:135:D:LEU:HD12	1:131:C:ILE:HB	11	0.59	0.25	0.63
(1,496)	1:135:D:LEU:HD11	1:131:C:ILE:HB	11	0.59	0.25	0.63
(1,494)	1:135:B:LEU:HD13	1:131:A:ILE:HB	11	0.59	0.25	0.63
(1,494)	1:135:B:LEU:HD12	1:131:A:ILE:HB	11	0.59	0.25	0.63
(1,494)	1:135:B:LEU:HD11	1:131:A:ILE:HB	11	0.59	0.25	0.63
(1,495)	1:135:C:LEU:HD13	1:131:B:ILE:HB	11	0.59	0.24	0.64
(1,495)	1:135:C:LEU:HD12	1:131:B:ILE:HB	11	0.59	0.24	0.64
(1,495)	1:135:C:LEU:HD11	1:131:B:ILE:HB	11	0.59	0.24	0.64
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	11	0.58	0.69	0.17
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	11	0.58	0.69	0.17
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	11	0.39	0.1	0.39
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	11	0.39	0.1	0.4
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	11	0.39	0.1	0.4
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	11	0.38	0.1	0.39
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD12	11	0.27	0.09	0.28
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD13	11	0.27	0.09	0.28
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD11	11	0.27	0.09	0.28
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD12	11	0.27	0.08	0.26
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD13	11	0.27	0.08	0.26
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD11	11	0.27	0.08	0.26
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD12	11	0.27	0.09	0.27
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD13	11	0.27	0.09	0.27
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD11	11	0.27	0.09	0.27
(2,1284)	1:153:D:VAL:HG13	1:151:C:THR:HB	11	0.17	0.08	0.11
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	11	0.17	0.08	0.11
(2,1284)	1:153:D:VAL:HG11	1:151:C:THR:HB	11	0.17	0.08	0.11
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	11	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	10	0.82	0.37	0.66
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	10	0.82	0.36	0.66
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	10	0.82	0.36	0.65
(2,1066)	1:133:B:ALA:HB1	1:134:B:ARG:HD2	10	0.62	0.56	0.32
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	10	0.62	0.56	0.32
(2,1066)	1:133:B:ALA:HB2	1:134:B:ARG:HD2	10	0.62	0.56	0.32
(2,1065)	1:133:A:ALA:HB1	1:134:A:ARG:HD2	10	0.62	0.56	0.32
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	10	0.62	0.56	0.32
(2,1065)	1:133:A:ALA:HB2	1:134:A:ARG:HD2	10	0.62	0.56	0.32
(2,1067)	1:133:C:ALA:HB1	1:134:C:ARG:HD2	10	0.62	0.55	0.32
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	10	0.62	0.55	0.32
(2,1067)	1:133:C:ALA:HB2	1:134:C:ARG:HD2	10	0.62	0.55	0.32
(2,1068)	1:133:D:ALA:HB1	1:134:D:ARG:HD2	10	0.62	0.56	0.32
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	10	0.62	0.56	0.32
(2,1068)	1:133:D:ALA:HB2	1:134:D:ARG:HD2	10	0.62	0.56	0.32
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	10	0.42	0.0	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	10	0.42	0.0	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	10	0.42	0.0	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	10	0.42	0.0	0.42
(1,518)	1:132:B:THR:HG22	1:135:A:LEU:HG	10	0.35	0.24	0.24
(1,518)	1:132:B:THR:HG22	1:135:C:LEU:HG	10	0.35	0.24	0.24
(1,518)	1:132:B:THR:HG23	1:135:A:LEU:HG	10	0.35	0.24	0.24
(1,518)	1:132:B:THR:HG21	1:135:C:LEU:HG	10	0.35	0.24	0.24
(1,517)	1:132:A:THR:HG22	1:135:D:LEU:HG	10	0.35	0.24	0.28
(1,517)	1:132:A:THR:HG22	1:135:B:LEU:HG	10	0.35	0.24	0.28
(1,517)	1:132:A:THR:HG23	1:135:D:LEU:HG	10	0.35	0.24	0.28
(1,517)	1:132:A:THR:HG21	1:135:B:LEU:HG	10	0.35	0.24	0.28
(1,519)	1:132:C:THR:HG22	1:135:B:LEU:HG	10	0.35	0.24	0.26
(1,519)	1:132:C:THR:HG22	1:135:D:LEU:HG	10	0.35	0.24	0.26
(1,519)	1:132:C:THR:HG23	1:135:B:LEU:HG	10	0.35	0.24	0.26
(1,519)	1:132:C:THR:HG21	1:135:D:LEU:HG	10	0.35	0.24	0.26
(1,520)	1:132:D:THR:HG22	1:135:C:LEU:HG	10	0.33	0.24	0.25
(1,520)	1:132:D:THR:HG22	1:135:A:LEU:HG	10	0.33	0.24	0.25
(1,520)	1:132:D:THR:HG23	1:135:C:LEU:HG	10	0.33	0.24	0.25
(1,520)	1:132:D:THR:HG21	1:135:A:LEU:HG	10	0.33	0.24	0.25
(2,120)	1:153:D:VAL:HG22	1:153:D:VAL:HA	10	0.19	0.05	0.2
(2,120)	1:153:D:VAL:HG23	1:153:D:VAL:HA	10	0.19	0.05	0.2
(2,120)	1:153:D:VAL:HG21	1:153:D:VAL:HA	10	0.19	0.05	0.2
(2,118)	1:153:B:VAL:HG22	1:153:B:VAL:HA	10	0.19	0.05	0.2
(2,118)	1:153:B:VAL:HG23	1:153:B:VAL:HA	10	0.19	0.05	0.2
(2,118)	1:153:B:VAL:HG21	1:153:B:VAL:HA	10	0.19	0.05	0.2
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	10	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	10	0.16	0.04	0.15
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	10	0.16	0.04	0.15
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	10	0.15	0.04	0.15
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	10	0.15	0.02	0.15
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	10	0.15	0.02	0.15
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	10	0.15	0.02	0.15
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	10	0.12	0.01	0.12
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	10	0.12	0.01	0.12
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	10	0.12	0.01	0.12
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG23	9	1.4	1.07	1.8
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG21	9	1.4	1.07	1.8
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG22	9	1.4	1.07	1.8
(1,646)	1:161:B:SER:HB3	1:160:C:THR:HG22	9	1.4	1.07	1.8
(1,646)	1:161:B:SER:HB3	1:160:C:THR:HG21	9	1.4	1.07	1.8
(1,10)	1:160:B:THR:HG21	1:160:C:THR:HA	9	0.72	0.41	0.68
(1,10)	1:160:B:THR:HG22	1:160:C:THR:HA	9	0.72	0.41	0.68
(1,10)	1:160:B:THR:HG23	1:160:C:THR:HA	9	0.72	0.41	0.68
(1,10)	1:160:B:THR:HG22	1:160:A:THR:HA	9	0.72	0.41	0.68
(1,12)	1:160:D:THR:HG21	1:160:A:THR:HA	9	0.71	0.4	0.68
(1,12)	1:160:D:THR:HG22	1:160:A:THR:HA	9	0.71	0.4	0.68
(1,12)	1:160:D:THR:HG23	1:160:A:THR:HA	9	0.71	0.4	0.68
(1,12)	1:160:D:THR:HG22	1:160:C:THR:HA	9	0.71	0.4	0.68
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	9	0.69	0.72	0.19
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	9	0.49	0.01	0.49
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	9	0.49	0.01	0.49
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	9	0.49	0.01	0.49
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	9	0.49	0.01	0.49
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	9	0.3	0.04	0.28
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	9	0.3	0.04	0.28
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	9	0.3	0.04	0.29
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	9	0.29	0.04	0.28
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD11	9	0.26	0.09	0.3
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	9	0.26	0.09	0.3
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD13	9	0.26	0.09	0.3
(1,20)	1:127:D:THR:HG22	1:129:A:ASP:HA	9	0.25	0.14	0.19
(1,20)	1:127:D:THR:HG23	1:129:A:ASP:HA	9	0.25	0.14	0.19
(1,637)	1:131:A:ILE:HD13	1:128:B:ASN:HA	9	0.21	0.11	0.18
(1,637)	1:131:A:ILE:HD11	1:128:B:ASN:HA	9	0.21	0.11	0.18
(1,637)	1:131:A:ILE:HD12	1:128:B:ASN:HA	9	0.21	0.11	0.18
(1,639)	1:131:C:ILE:HD13	1:128:D:ASN:HA	9	0.21	0.11	0.18
(1,639)	1:131:C:ILE:HD11	1:128:D:ASN:HA	9	0.21	0.11	0.18
(1,639)	1:131:C:ILE:HD12	1:128:D:ASN:HA	9	0.21	0.11	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,204)	1:138:D:ILE:HD12	1:135:A:LEU:HA	9	0.2	0.07	0.19
(1,204)	1:138:D:ILE:HD13	1:135:A:LEU:HA	9	0.2	0.07	0.19
(1,204)	1:138:D:ILE:HD11	1:135:A:LEU:HA	9	0.2	0.07	0.19
(2,1282)	1:153:B:VAL:HG13	1:151:A:THR:HB	9	0.2	0.08	0.22
(2,1282)	1:153:B:VAL:HG12	1:151:A:THR:HB	9	0.2	0.08	0.22
(2,1282)	1:153:B:VAL:HG11	1:151:A:THR:HB	9	0.2	0.08	0.22
(2,117)	1:153:A:VAL:HG22	1:153:A:VAL:HA	9	0.2	0.04	0.21
(2,117)	1:153:A:VAL:HG23	1:153:A:VAL:HA	9	0.2	0.04	0.21
(2,117)	1:153:A:VAL:HG21	1:153:A:VAL:HA	9	0.2	0.04	0.21
(2,119)	1:153:C:VAL:HG22	1:153:C:VAL:HA	9	0.2	0.04	0.21
(2,119)	1:153:C:VAL:HG23	1:153:C:VAL:HA	9	0.2	0.04	0.21
(2,119)	1:153:C:VAL:HG21	1:153:C:VAL:HA	9	0.2	0.04	0.21
(2,1281)	1:153:A:VAL:HG13	1:151:D:THR:HB	9	0.19	0.09	0.22
(2,1281)	1:153:A:VAL:HG12	1:151:D:THR:HB	9	0.19	0.09	0.22
(2,1281)	1:153:A:VAL:HG11	1:151:D:THR:HB	9	0.19	0.09	0.22
(1,640)	1:131:D:ILE:HD13	1:128:A:ASN:HA	9	0.19	0.11	0.16
(1,640)	1:131:D:ILE:HD11	1:128:A:ASN:HA	9	0.19	0.11	0.16
(1,640)	1:131:D:ILE:HD12	1:128:A:ASN:HA	9	0.19	0.11	0.16
(2,846)	1:154:B:VAL:HG23	1:153:B:VAL:HB	9	0.19	0.03	0.19
(2,846)	1:154:B:VAL:HG22	1:153:B:VAL:HB	9	0.19	0.03	0.19
(2,846)	1:154:B:VAL:HG21	1:153:B:VAL:HB	9	0.19	0.03	0.19
(2,847)	1:154:C:VAL:HG23	1:153:C:VAL:HB	9	0.19	0.03	0.19
(2,847)	1:154:C:VAL:HG22	1:153:C:VAL:HB	9	0.19	0.03	0.19
(2,847)	1:154:C:VAL:HG21	1:153:C:VAL:HB	9	0.19	0.03	0.19
(2,848)	1:154:D:VAL:HG23	1:153:D:VAL:HB	9	0.19	0.03	0.19
(2,848)	1:154:D:VAL:HG22	1:153:D:VAL:HB	9	0.19	0.03	0.19
(2,848)	1:154:D:VAL:HG21	1:153:D:VAL:HB	9	0.19	0.03	0.19
(2,845)	1:154:A:VAL:HG23	1:153:A:VAL:HB	9	0.19	0.03	0.19
(2,845)	1:154:A:VAL:HG22	1:153:A:VAL:HB	9	0.19	0.03	0.19
(2,845)	1:154:A:VAL:HG21	1:153:A:VAL:HB	9	0.19	0.03	0.19
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	9	0.17	0.04	0.15
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	9	0.17	0.05	0.16
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	9	0.17	0.05	0.15
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	9	0.17	0.05	0.15
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	9	0.13	0.01	0.13
(1,645)	1:161:A:SER:HB3	1:160:D:THR:HG21	8	1.57	1.03	1.85
(1,645)	1:161:A:SER:HB3	1:160:D:THR:HG22	8	1.57	1.03	1.85
(1,645)	1:161:A:SER:HB3	1:160:B:THR:HG22	8	1.57	1.03	1.85
(1,645)	1:161:A:SER:HB3	1:160:B:THR:HG21	8	1.57	1.03	1.85
(1,647)	1:161:C:SER:HB3	1:160:B:THR:HG21	8	1.56	1.04	1.84
(1,647)	1:161:C:SER:HB3	1:160:B:THR:HG22	8	1.56	1.04	1.84
(1,647)	1:161:C:SER:HB3	1:160:D:THR:HG22	8	1.56	1.04	1.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,647)	1:161:C:SER:HB3	1:160:D:THR:HG21	8	1.56	1.04	1.84
(1,648)	1:161:D:SER:HB3	1:160:C:THR:HG21	8	1.56	1.03	1.83
(1,648)	1:161:D:SER:HB3	1:160:C:THR:HG22	8	1.56	1.03	1.83
(1,648)	1:161:D:SER:HB3	1:160:A:THR:HG22	8	1.56	1.03	1.83
(1,648)	1:161:D:SER:HB3	1:160:A:THR:HG21	8	1.56	1.03	1.83
(1,8)	1:160:D:THR:HG22	1:159:C:PRO:HB2	8	1.29	0.53	1.31
(1,8)	1:160:D:THR:HG23	1:159:C:PRO:HB2	8	1.29	0.53	1.31
(1,8)	1:160:D:THR:HG23	1:159:A:PRO:HB2	8	1.29	0.53	1.31
(1,8)	1:160:D:THR:HG21	1:159:C:PRO:HB2	8	1.29	0.53	1.31
(1,5)	1:160:A:THR:HG22	1:159:D:PRO:HB2	8	1.29	0.53	1.32
(1,5)	1:160:A:THR:HG23	1:159:D:PRO:HB2	8	1.29	0.53	1.32
(1,5)	1:160:A:THR:HG23	1:159:B:PRO:HB2	8	1.29	0.53	1.32
(1,5)	1:160:A:THR:HG21	1:159:D:PRO:HB2	8	1.29	0.53	1.32
(1,6)	1:160:B:THR:HG22	1:159:A:PRO:HB2	8	1.28	0.51	1.3
(1,6)	1:160:B:THR:HG23	1:159:A:PRO:HB2	8	1.28	0.51	1.3
(1,6)	1:160:B:THR:HG23	1:159:C:PRO:HB2	8	1.28	0.51	1.3
(1,6)	1:160:B:THR:HG21	1:159:A:PRO:HB2	8	1.28	0.51	1.3
(1,7)	1:160:C:THR:HG22	1:159:B:PRO:HB2	8	1.27	0.53	1.3
(1,7)	1:160:C:THR:HG23	1:159:B:PRO:HB2	8	1.27	0.53	1.3
(1,7)	1:160:C:THR:HG23	1:159:D:PRO:HB2	8	1.27	0.53	1.3
(1,7)	1:160:C:THR:HG21	1:159:B:PRO:HB2	8	1.27	0.53	1.3
(1,9)	1:160:A:THR:HG21	1:160:B:THR:HA	8	0.79	0.37	0.74
(1,9)	1:160:A:THR:HG22	1:160:B:THR:HA	8	0.79	0.37	0.74
(1,9)	1:160:A:THR:HG23	1:160:B:THR:HA	8	0.79	0.37	0.74
(1,9)	1:160:A:THR:HG22	1:160:D:THR:HA	8	0.79	0.37	0.74
(1,11)	1:160:C:THR:HG21	1:160:D:THR:HA	8	0.79	0.38	0.75
(1,11)	1:160:C:THR:HG22	1:160:D:THR:HA	8	0.79	0.38	0.75
(1,11)	1:160:C:THR:HG23	1:160:D:THR:HA	8	0.79	0.38	0.75
(1,11)	1:160:C:THR:HG22	1:160:B:THR:HA	8	0.79	0.38	0.75
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	8	0.71	0.35	0.86
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	8	0.71	0.36	0.86
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	8	0.71	0.35	0.86
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB2	8	0.32	0.13	0.3
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB3	8	0.32	0.13	0.3
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB1	8	0.32	0.13	0.3
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB2	8	0.32	0.13	0.3
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB3	8	0.32	0.13	0.3
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB1	8	0.32	0.13	0.3
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB2	8	0.32	0.13	0.3
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB3	8	0.32	0.13	0.3
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB1	8	0.32	0.13	0.3
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB2	8	0.32	0.13	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB3	8	0.32	0.13	0.3
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB1	8	0.32	0.13	0.3
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD12	8	0.31	0.12	0.36
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD11	8	0.31	0.12	0.36
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD13	8	0.31	0.12	0.36
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD12	8	0.31	0.12	0.36
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD11	8	0.31	0.12	0.36
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD13	8	0.31	0.12	0.36
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	8	0.3	0.15	0.28
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	8	0.29	0.16	0.27
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	8	0.29	0.16	0.28
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	8	0.29	0.16	0.28
(1,17)	1:127:A:THR:HG22	1:129:B:ASP:HA	8	0.28	0.16	0.21
(1,17)	1:127:A:THR:HG23	1:129:B:ASP:HA	8	0.28	0.16	0.21
(1,19)	1:127:C:THR:HG22	1:129:D:ASP:HA	8	0.28	0.15	0.2
(1,19)	1:127:C:THR:HG23	1:129:D:ASP:HA	8	0.28	0.15	0.2
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD11	8	0.27	0.08	0.3
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD12	8	0.27	0.08	0.3
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD13	8	0.27	0.08	0.3
(1,18)	1:127:B:THR:HG22	1:129:C:ASP:HA	8	0.27	0.13	0.2
(1,18)	1:127:B:THR:HG23	1:129:C:ASP:HA	8	0.27	0.13	0.2
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	8	0.23	0.13	0.19
(1,390)	1:142:B:LEU:HD21	1:145:A:ILE:HG12	8	0.23	0.13	0.19
(1,390)	1:142:B:LEU:HD23	1:145:A:ILE:HG12	8	0.23	0.13	0.19
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	8	0.23	0.13	0.19
(1,389)	1:142:A:LEU:HD21	1:145:D:ILE:HG12	8	0.23	0.13	0.19
(1,389)	1:142:A:LEU:HD23	1:145:D:ILE:HG12	8	0.23	0.13	0.19
(1,201)	1:138:A:ILE:HD12	1:135:B:LEU:HA	8	0.21	0.07	0.2
(1,201)	1:138:A:ILE:HD13	1:135:B:LEU:HA	8	0.21	0.07	0.2
(2,1283)	1:153:C:VAL:HG12	1:151:B:THR:HB	8	0.21	0.09	0.23
(2,1283)	1:153:C:VAL:HG13	1:151:B:THR:HB	8	0.21	0.09	0.23
(2,1283)	1:153:C:VAL:HG11	1:151:B:THR:HB	8	0.21	0.09	0.23
(1,202)	1:138:B:ILE:HD12	1:135:C:LEU:HA	8	0.21	0.07	0.19
(1,202)	1:138:B:ILE:HD13	1:135:C:LEU:HA	8	0.21	0.07	0.19
(1,202)	1:138:B:ILE:HD11	1:135:C:LEU:HA	8	0.21	0.07	0.19
(1,638)	1:131:B:ILE:HD13	1:128:C:ASN:HA	8	0.2	0.11	0.16
(1,638)	1:131:B:ILE:HD11	1:128:C:ASN:HA	8	0.2	0.11	0.16
(1,638)	1:131:B:ILE:HD12	1:128:C:ASN:HA	8	0.2	0.11	0.16
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	8	0.18	0.04	0.16
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	8	0.18	0.04	0.16
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	8	0.17	0.05	0.15
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	8	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1271)	1:153:C:VAL:HG21	1:148:B:MET:HG3	8	0.13	0.02	0.12
(2,1271)	1:153:C:VAL:HG22	1:148:B:MET:HG3	8	0.13	0.02	0.12
(2,1271)	1:153:C:VAL:HG23	1:148:B:MET:HG3	8	0.13	0.02	0.12
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	8	0.13	0.02	0.12
(2,1269)	1:153:A:VAL:HG22	1:148:D:MET:HG3	8	0.13	0.02	0.12
(2,1269)	1:153:A:VAL:HG23	1:148:D:MET:HG3	8	0.13	0.02	0.12
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	7	0.8	0.29	0.93
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	7	0.76	0.27	0.86
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	7	0.76	0.27	0.86
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	7	0.75	0.27	0.86
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	7	0.75	0.27	0.86
(2,728)	1:162:D:ALA:HB1	1:158:D:GLY:HA2	7	0.72	0.55	0.47
(2,728)	1:162:D:ALA:HB2	1:158:D:GLY:HA2	7	0.72	0.55	0.47
(2,728)	1:162:D:ALA:HB3	1:158:D:GLY:HA2	7	0.72	0.55	0.47
(2,725)	1:162:A:ALA:HB1	1:158:A:GLY:HA2	7	0.72	0.54	0.47
(2,725)	1:162:A:ALA:HB2	1:158:A:GLY:HA2	7	0.72	0.54	0.47
(2,725)	1:162:A:ALA:HB3	1:158:A:GLY:HA2	7	0.72	0.54	0.47
(2,726)	1:162:B:ALA:HB1	1:158:B:GLY:HA2	7	0.72	0.55	0.47
(2,726)	1:162:B:ALA:HB2	1:158:B:GLY:HA2	7	0.72	0.55	0.47
(2,726)	1:162:B:ALA:HB3	1:158:B:GLY:HA2	7	0.72	0.55	0.47
(2,727)	1:162:C:ALA:HB1	1:158:C:GLY:HA2	7	0.71	0.54	0.47
(2,727)	1:162:C:ALA:HB2	1:158:C:GLY:HA2	7	0.71	0.54	0.47
(2,727)	1:162:C:ALA:HB3	1:158:C:GLY:HA2	7	0.71	0.54	0.47
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	7	0.6	0.42	0.31
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	7	0.6	0.42	0.3
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	7	0.59	0.42	0.31
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	7	0.59	0.42	0.31
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB1	7	0.45	0.19	0.54
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB3	7	0.45	0.19	0.54
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB2	7	0.45	0.19	0.54
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB1	7	0.45	0.19	0.53
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB3	7	0.45	0.19	0.53
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB2	7	0.45	0.19	0.53
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB1	7	0.45	0.18	0.51
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB3	7	0.45	0.18	0.51
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB2	7	0.45	0.18	0.51
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB1	7	0.45	0.19	0.52
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB3	7	0.45	0.19	0.52
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB2	7	0.45	0.19	0.52
(2,1126)	1:138:B:ILE:HG21	1:142:B:LEU:HB3	7	0.39	0.26	0.22
(2,1126)	1:138:B:ILE:HG23	1:142:B:LEU:HB3	7	0.39	0.26	0.22
(2,1126)	1:138:B:ILE:HG22	1:142:B:LEU:HB3	7	0.39	0.26	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1127)	1:138:C:ILE:HG21	1:142:C:LEU:HB3	7	0.39	0.26	0.21
(2,1127)	1:138:C:ILE:HG23	1:142:C:LEU:HB3	7	0.39	0.26	0.21
(2,1127)	1:138:C:ILE:HG22	1:142:C:LEU:HB3	7	0.39	0.26	0.21
(2,1128)	1:138:D:ILE:HG21	1:142:D:LEU:HB3	7	0.39	0.26	0.22
(2,1128)	1:138:D:ILE:HG23	1:142:D:LEU:HB3	7	0.39	0.26	0.22
(2,1128)	1:138:D:ILE:HG22	1:142:D:LEU:HB3	7	0.39	0.26	0.22
(2,1125)	1:138:A:ILE:HG21	1:142:A:LEU:HB3	7	0.39	0.26	0.22
(2,1125)	1:138:A:ILE:HG23	1:142:A:LEU:HB3	7	0.39	0.26	0.22
(2,1125)	1:138:A:ILE:HG22	1:142:A:LEU:HB3	7	0.39	0.26	0.22
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD12	7	0.34	0.1	0.37
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD11	7	0.34	0.1	0.37
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD13	7	0.34	0.1	0.37
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD12	7	0.34	0.1	0.36
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD11	7	0.34	0.1	0.36
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD13	7	0.34	0.1	0.36
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD12	7	0.3	0.05	0.3
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD13	7	0.3	0.05	0.3
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD11	7	0.3	0.05	0.3
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD12	7	0.3	0.05	0.3
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD13	7	0.3	0.05	0.3
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD11	7	0.3	0.05	0.3
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	7	0.29	0.22	0.12
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	7	0.28	0.05	0.29
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	7	0.28	0.05	0.28
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	7	0.28	0.05	0.28
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	7	0.28	0.05	0.28
(1,392)	1:142:D:LEU:HD22	1:145:C:ILE:HG12	7	0.24	0.13	0.19
(1,392)	1:142:D:LEU:HD21	1:145:C:ILE:HG12	7	0.24	0.13	0.19
(1,392)	1:142:D:LEU:HD23	1:145:C:ILE:HG12	7	0.24	0.13	0.19
(1,391)	1:142:C:LEU:HD22	1:145:B:ILE:HG12	7	0.24	0.13	0.18
(1,391)	1:142:C:LEU:HD21	1:145:B:ILE:HG12	7	0.24	0.13	0.18
(1,391)	1:142:C:LEU:HD23	1:145:B:ILE:HG12	7	0.24	0.13	0.18
(1,203)	1:138:C:ILE:HD12	1:135:D:LEU:HA	7	0.22	0.06	0.2
(1,203)	1:138:C:ILE:HD13	1:135:D:LEU:HA	7	0.22	0.06	0.2
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	7	0.21	0.02	0.21
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	7	0.21	0.02	0.21
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	7	0.21	0.03	0.21
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	7	0.21	0.02	0.21
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	7	0.14	0.04	0.13
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	7	0.14	0.04	0.13
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	7	0.14	0.04	0.13
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	7	0.14	0.04	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	7	0.14	0.04	0.13
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	7	0.14	0.04	0.12
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	7	0.13	0.03	0.12
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	7	0.13	0.04	0.12
(2,1270)	1:153:B:VAL:HG21	1:148:A:MET:HG3	7	0.13	0.02	0.13
(2,1270)	1:153:B:VAL:HG22	1:148:A:MET:HG3	7	0.13	0.02	0.13
(2,1270)	1:153:B:VAL:HG23	1:148:A:MET:HG3	7	0.13	0.02	0.13
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	7	0.13	0.02	0.12
(2,1272)	1:153:D:VAL:HG23	1:148:C:MET:HG3	7	0.13	0.02	0.12
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	7	0.11	0.0	0.11
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	7	0.1	0.0	0.1
(1,14)	1:160:B:THR:HG22	1:160:A:THR:HB	6	1.06	0.51	1.05
(1,14)	1:160:B:THR:HG22	1:160:C:THR:HB	6	1.06	0.51	1.05
(1,14)	1:160:B:THR:HG21	1:160:A:THR:HB	6	1.06	0.51	1.05
(1,15)	1:160:C:THR:HG22	1:160:B:THR:HB	6	1.05	0.53	1.04
(1,15)	1:160:C:THR:HG22	1:160:D:THR:HB	6	1.05	0.53	1.04
(1,15)	1:160:C:THR:HG21	1:160:B:THR:HB	6	1.05	0.53	1.04
(1,13)	1:160:A:THR:HG22	1:160:D:THR:HB	6	1.03	0.53	1.03
(1,13)	1:160:A:THR:HG22	1:160:B:THR:HB	6	1.03	0.53	1.03
(1,13)	1:160:A:THR:HG21	1:160:D:THR:HB	6	1.03	0.53	1.03
(1,16)	1:160:D:THR:HG22	1:160:C:THR:HB	6	1.03	0.5	1.04
(1,16)	1:160:D:THR:HG22	1:160:A:THR:HB	6	1.03	0.5	1.04
(1,16)	1:160:D:THR:HG21	1:160:C:THR:HB	6	1.03	0.5	1.04
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	6	0.9	0.33	1.05
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	6	0.9	0.33	1.05
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	6	0.9	0.33	1.05
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	6	0.9	0.33	1.05
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE1	6	0.58	0.24	0.59
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE3	6	0.58	0.24	0.59
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE2	6	0.58	0.24	0.59
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE1	6	0.58	0.24	0.59
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE3	6	0.58	0.24	0.59
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE2	6	0.58	0.24	0.59
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE1	6	0.58	0.24	0.59
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE3	6	0.58	0.24	0.59
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE2	6	0.58	0.24	0.59
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE1	6	0.58	0.24	0.59
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE3	6	0.58	0.24	0.59
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE2	6	0.58	0.24	0.59
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	6	0.42	0.0	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	6	0.42	0.0	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	6	0.42	0.0	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	6	0.42	0.0	0.42
(2,510)	1:131:B:ILE:HD12	1:131:B:ILE:HA	6	0.4	0.23	0.4
(2,510)	1:131:B:ILE:HD13	1:131:B:ILE:HA	6	0.4	0.23	0.4
(2,510)	1:131:B:ILE:HD11	1:131:B:ILE:HA	6	0.4	0.23	0.4
(2,511)	1:131:C:ILE:HD12	1:131:C:ILE:HA	6	0.4	0.23	0.4
(2,511)	1:131:C:ILE:HD13	1:131:C:ILE:HA	6	0.4	0.23	0.4
(2,511)	1:131:C:ILE:HD11	1:131:C:ILE:HA	6	0.4	0.23	0.4
(2,512)	1:131:D:ILE:HD12	1:131:D:ILE:HA	6	0.4	0.23	0.4
(2,512)	1:131:D:ILE:HD13	1:131:D:ILE:HA	6	0.4	0.23	0.4
(2,512)	1:131:D:ILE:HD11	1:131:D:ILE:HA	6	0.4	0.23	0.4
(2,509)	1:131:A:ILE:HD12	1:131:A:ILE:HA	6	0.4	0.23	0.4
(2,509)	1:131:A:ILE:HD13	1:131:A:ILE:HA	6	0.4	0.23	0.4
(2,509)	1:131:A:ILE:HD11	1:131:A:ILE:HA	6	0.4	0.23	0.4
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	6	0.37	0.13	0.4
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	6	0.37	0.13	0.4
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	6	0.37	0.13	0.4
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	6	0.37	0.13	0.4
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	6	0.33	0.23	0.29
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	6	0.33	0.22	0.28
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	6	0.32	0.22	0.28
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	6	0.23	0.01	0.24
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	6	0.23	0.01	0.24
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	6	0.23	0.01	0.24
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	6	0.23	0.01	0.23
(1,483)	1:135:C:LEU:HD22	1:138:B:ILE:HB	6	0.19	0.06	0.18
(1,483)	1:135:C:LEU:HD21	1:138:B:ILE:HB	6	0.19	0.06	0.18
(1,483)	1:135:C:LEU:HD23	1:138:B:ILE:HB	6	0.19	0.06	0.18
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG22	6	0.16	0.11	0.12
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG23	6	0.16	0.11	0.12
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG21	6	0.16	0.11	0.12
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG22	6	0.16	0.11	0.12
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG23	6	0.16	0.11	0.12
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG21	6	0.16	0.11	0.12
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG22	6	0.16	0.11	0.12
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG23	6	0.16	0.11	0.12
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG21	6	0.16	0.11	0.12
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG22	6	0.16	0.11	0.12
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG23	6	0.16	0.11	0.12
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG21	6	0.16	0.11	0.12
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	6	0.12	0.02	0.12
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	6	0.12	0.03	0.12
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	6	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	6	0.11	0.0	0.11
(2,1245)	1:137:A:ARG:HG2	1:141:A:LYS:HE2	5	0.6	0.12	0.65
(2,1247)	1:137:C:ARG:HG2	1:141:C:LYS:HE2	5	0.6	0.12	0.65
(2,1246)	1:137:B:ARG:HG2	1:141:B:LYS:HE2	5	0.6	0.12	0.64
(2,1248)	1:137:D:ARG:HG2	1:141:D:LYS:HE2	5	0.59	0.12	0.64
(2,645)	1:141:A:LYS:HE2	1:141:A:LYS:HG2	5	0.27	0.02	0.29
(2,647)	1:141:C:LYS:HE2	1:141:C:LYS:HG2	5	0.27	0.02	0.28
(2,648)	1:141:D:LYS:HE2	1:141:D:LYS:HG2	5	0.27	0.02	0.28
(2,646)	1:141:B:LYS:HE2	1:141:B:LYS:HG2	5	0.27	0.02	0.28
(1,482)	1:135:B:LEU:HD22	1:138:A:ILE:HB	5	0.24	0.07	0.23
(1,482)	1:135:B:LEU:HD21	1:138:A:ILE:HB	5	0.24	0.07	0.23
(1,482)	1:135:B:LEU:HD23	1:138:A:ILE:HB	5	0.24	0.07	0.23
(1,484)	1:135:D:LEU:HD22	1:138:C:ILE:HB	5	0.23	0.06	0.22
(1,484)	1:135:D:LEU:HD21	1:138:C:ILE:HB	5	0.23	0.06	0.22
(1,484)	1:135:D:LEU:HD23	1:138:C:ILE:HB	5	0.23	0.06	0.22
(1,481)	1:135:A:LEU:HD22	1:138:D:ILE:HB	5	0.22	0.06	0.21
(1,481)	1:135:A:LEU:HD21	1:138:D:ILE:HB	5	0.22	0.06	0.21
(1,481)	1:135:A:LEU:HD23	1:138:D:ILE:HB	5	0.22	0.06	0.21
(2,322)	1:141:B:LYS:HE2	1:141:B:LYS:HG3	5	0.18	0.01	0.18
(2,323)	1:141:C:LYS:HE2	1:141:C:LYS:HG3	5	0.18	0.01	0.18
(2,324)	1:141:D:LYS:HE2	1:141:D:LYS:HG3	5	0.18	0.01	0.18
(2,321)	1:141:A:LYS:HE2	1:141:A:LYS:HG3	5	0.18	0.01	0.18
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG12	5	0.18	0.05	0.21
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG11	5	0.18	0.05	0.21
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG13	5	0.18	0.05	0.21
(2,165)	1:151:A:THR:HG23	1:151:A:THR:HA	5	0.13	0.02	0.13
(2,165)	1:151:A:THR:HG22	1:151:A:THR:HA	5	0.13	0.02	0.13
(2,165)	1:151:A:THR:HG21	1:151:A:THR:HA	5	0.13	0.02	0.13
(2,361)	1:140:A:GLU:HB3	1:137:A:ARG:HA	5	0.13	0.02	0.14
(2,2041)	1:145:A:ILE:H	1:146:A:LEU:HG	5	0.11	0.0	0.11
(2,1923)	1:143:C:SER:H	1:143:C:SER:HB3	5	0.1	0.0	0.1
(2,1924)	1:143:D:SER:H	1:143:D:SER:HB3	5	0.1	0.0	0.1
(2,134)	1:153:B:VAL:HA	1:156:B:SER:HB2	4	0.68	0.19	0.7
(2,136)	1:153:D:VAL:HA	1:156:D:SER:HB2	4	0.68	0.19	0.7
(2,135)	1:153:C:VAL:HA	1:156:C:SER:HB2	4	0.68	0.19	0.7
(2,133)	1:153:A:VAL:HA	1:156:A:SER:HB2	4	0.67	0.19	0.69
(1,26)	1:159:B:PRO:HD3	1:158:C:GLY:HA2	4	0.58	0.12	0.61
(1,26)	1:159:B:PRO:HD3	1:158:A:GLY:HA2	4	0.58	0.12	0.61
(1,28)	1:159:D:PRO:HD3	1:158:A:GLY:HA2	4	0.58	0.12	0.62
(1,28)	1:159:D:PRO:HD3	1:158:C:GLY:HA2	4	0.58	0.12	0.62
(1,27)	1:159:C:PRO:HD3	1:158:D:GLY:HA2	4	0.58	0.13	0.61
(1,27)	1:159:C:PRO:HD3	1:158:B:GLY:HA2	4	0.58	0.13	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,25)	1:159:A:PRO:HD3	1:158:B:GLY:HA2	4	0.58	0.12	0.6
(1,25)	1:159:A:PRO:HD3	1:158:D:GLY:HA2	4	0.58	0.12	0.6
(2,2214)	1:157:B:ALA:H	1:156:B:SER:HB2	4	0.57	0.16	0.61
(2,2215)	1:157:C:ALA:H	1:156:C:SER:HB2	4	0.57	0.16	0.61
(2,2216)	1:157:D:ALA:H	1:156:D:SER:HB2	4	0.57	0.16	0.61
(2,2213)	1:157:A:ALA:H	1:156:A:SER:HB2	4	0.57	0.15	0.6
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG22	4	0.36	0.04	0.35
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG21	4	0.36	0.04	0.35
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG23	4	0.36	0.04	0.35
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG22	4	0.36	0.05	0.34
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG21	4	0.36	0.05	0.34
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG23	4	0.36	0.05	0.34
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG22	4	0.36	0.05	0.35
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG21	4	0.36	0.05	0.35
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG23	4	0.36	0.05	0.35
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG22	4	0.36	0.05	0.34
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG21	4	0.36	0.05	0.34
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG23	4	0.36	0.05	0.34
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD12	4	0.33	0.04	0.34
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD13	4	0.33	0.04	0.34
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD11	4	0.33	0.04	0.34
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD12	4	0.32	0.04	0.34
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD13	4	0.32	0.04	0.34
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD11	4	0.32	0.04	0.34
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD12	4	0.32	0.04	0.34
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD13	4	0.32	0.04	0.34
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD11	4	0.32	0.04	0.34
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD12	4	0.32	0.04	0.34
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD13	4	0.32	0.04	0.34
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD11	4	0.32	0.04	0.34
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG21	4	0.29	0.11	0.34
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG23	4	0.29	0.11	0.34
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG22	4	0.29	0.11	0.34
(1,664)	1:142:D:LEU:HD22	1:141:C:LYS:HB3	4	0.26	0.09	0.26
(1,664)	1:142:D:LEU:HD23	1:141:C:LYS:HB3	4	0.26	0.09	0.26
(1,662)	1:142:B:LEU:HD22	1:141:A:LYS:HB3	4	0.26	0.11	0.26
(1,662)	1:142:B:LEU:HD23	1:141:A:LYS:HB3	4	0.26	0.11	0.26
(1,663)	1:142:C:LEU:HD22	1:141:B:LYS:HB3	4	0.26	0.11	0.24
(1,663)	1:142:C:LEU:HD23	1:141:B:LYS:HB3	4	0.26	0.11	0.24
(2,1502)	1:163:B:ARG:H	1:163:B:ARG:HD2	4	0.26	0.12	0.24
(2,1503)	1:163:C:ARG:H	1:163:C:ARG:HD2	4	0.26	0.12	0.24
(1,661)	1:142:A:LEU:HD22	1:141:D:LYS:HB3	4	0.25	0.11	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,661)	1:142:A:LEU:HD23	1:141:D:LYS:HB3	4	0.25	0.11	0.25
(2,1501)	1:163:A:ARG:H	1:163:A:ARG:HD2	4	0.25	0.12	0.24
(2,1504)	1:163:D:ARG:H	1:163:D:ARG:HD2	4	0.25	0.12	0.24
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG12	4	0.22	0.02	0.22
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG13	4	0.22	0.02	0.22
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG11	4	0.22	0.02	0.22
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG12	4	0.22	0.03	0.24
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG13	4	0.22	0.03	0.24
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG11	4	0.22	0.03	0.24
(2,513)	1:131:A:ILE:HD12	1:131:A:ILE:HB	4	0.22	0.03	0.22
(2,513)	1:131:A:ILE:HD13	1:131:A:ILE:HB	4	0.22	0.03	0.22
(2,513)	1:131:A:ILE:HD11	1:131:A:ILE:HB	4	0.22	0.03	0.22
(2,514)	1:131:B:ILE:HD12	1:131:B:ILE:HB	4	0.22	0.03	0.22
(2,514)	1:131:B:ILE:HD13	1:131:B:ILE:HB	4	0.22	0.03	0.22
(2,514)	1:131:B:ILE:HD11	1:131:B:ILE:HB	4	0.22	0.03	0.22
(2,515)	1:131:C:ILE:HD12	1:131:C:ILE:HB	4	0.22	0.03	0.22
(2,515)	1:131:C:ILE:HD13	1:131:C:ILE:HB	4	0.22	0.03	0.22
(2,515)	1:131:C:ILE:HD11	1:131:C:ILE:HB	4	0.22	0.03	0.22
(2,516)	1:131:D:ILE:HD12	1:131:D:ILE:HB	4	0.22	0.03	0.22
(2,516)	1:131:D:ILE:HD13	1:131:D:ILE:HB	4	0.22	0.03	0.22
(2,516)	1:131:D:ILE:HD11	1:131:D:ILE:HB	4	0.22	0.03	0.22
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG12	4	0.2	0.02	0.2
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG13	4	0.2	0.02	0.2
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG11	4	0.2	0.02	0.2
(2,458)	1:133:B:ALA:HB1	1:130:B:ASN:HA	4	0.16	0.01	0.16
(2,458)	1:133:B:ALA:HB2	1:130:B:ASN:HA	4	0.16	0.01	0.16
(2,458)	1:133:B:ALA:HB3	1:130:B:ASN:HA	4	0.16	0.01	0.16
(2,460)	1:133:D:ALA:HB1	1:130:D:ASN:HA	4	0.16	0.01	0.16
(2,460)	1:133:D:ALA:HB2	1:130:D:ASN:HA	4	0.16	0.01	0.16
(2,460)	1:133:D:ALA:HB3	1:130:D:ASN:HA	4	0.16	0.01	0.16
(2,457)	1:133:A:ALA:HB1	1:130:A:ASN:HA	4	0.15	0.01	0.16
(2,457)	1:133:A:ALA:HB2	1:130:A:ASN:HA	4	0.15	0.01	0.16
(2,457)	1:133:A:ALA:HB3	1:130:A:ASN:HA	4	0.15	0.01	0.16
(2,459)	1:133:C:ALA:HB1	1:130:C:ASN:HA	4	0.15	0.01	0.16
(2,459)	1:133:C:ALA:HB2	1:130:C:ASN:HA	4	0.15	0.01	0.16
(2,459)	1:133:C:ALA:HB3	1:130:C:ASN:HA	4	0.15	0.01	0.16
(2,166)	1:151:B:THR:HG22	1:151:B:THR:HA	4	0.14	0.01	0.14
(2,166)	1:151:B:THR:HG21	1:151:B:THR:HA	4	0.14	0.01	0.14
(2,166)	1:151:B:THR:HG23	1:151:B:THR:HA	4	0.14	0.01	0.14
(2,167)	1:151:C:THR:HG22	1:151:C:THR:HA	4	0.14	0.02	0.14
(2,167)	1:151:C:THR:HG21	1:151:C:THR:HA	4	0.14	0.02	0.14
(2,167)	1:151:C:THR:HG23	1:151:C:THR:HA	4	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,168)	1:151:D:THR:HG22	1:151:D:THR:HA	4	0.13	0.02	0.14
(2,168)	1:151:D:THR:HG21	1:151:D:THR:HA	4	0.13	0.02	0.14
(2,168)	1:151:D:THR:HG23	1:151:D:THR:HA	4	0.13	0.02	0.14
(2,1599)	1:137:C:ARG:H	1:136:C:ASP:HB2	4	0.12	0.02	0.12
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	4	0.12	0.01	0.12
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	4	0.12	0.01	0.12
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	4	0.12	0.01	0.12
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD21	4	0.12	0.01	0.13
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD22	4	0.12	0.01	0.13
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD23	4	0.12	0.01	0.13
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD21	4	0.12	0.01	0.12
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD22	4	0.12	0.01	0.12
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD23	4	0.12	0.01	0.12
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD21	4	0.12	0.01	0.12
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD22	4	0.12	0.01	0.12
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD23	4	0.12	0.01	0.12
(2,2043)	1:145:C:ILE:H	1:146:C:LEU:HG	4	0.11	0.0	0.11
(2,1922)	1:143:B:SER:H	1:143:B:SER:HB3	4	0.1	0.0	0.1
(2,1105)	1:142:A:LEU:HD23	1:139:A:ASP:HB2	3	1.01	0.04	0.98
(2,1105)	1:142:A:LEU:HD21	1:139:A:ASP:HB2	3	1.01	0.04	0.98
(2,1106)	1:142:B:LEU:HD23	1:139:B:ASP:HB2	3	1.01	0.04	0.98
(2,1106)	1:142:B:LEU:HD21	1:139:B:ASP:HB2	3	1.01	0.04	0.98
(2,1108)	1:142:D:LEU:HD23	1:139:D:ASP:HB2	3	1.01	0.04	0.98
(2,1108)	1:142:D:LEU:HD21	1:139:D:ASP:HB2	3	1.01	0.04	0.98
(2,1107)	1:142:C:LEU:HD23	1:139:C:ASP:HB2	3	1.0	0.05	0.97
(2,1107)	1:142:C:LEU:HD21	1:139:C:ASP:HB2	3	1.0	0.05	0.97
(2,1362)	1:131:B:ILE:HG13	1:132:C:THR:HG22	3	0.92	0.32	1.1
(2,1362)	1:131:B:ILE:HG13	1:132:C:THR:HG21	3	0.92	0.32	1.1
(2,1364)	1:131:D:ILE:HG13	1:132:A:THR:HG22	3	0.91	0.31	1.1
(2,1364)	1:131:D:ILE:HG13	1:132:A:THR:HG21	3	0.91	0.31	1.1
(2,1363)	1:131:C:ILE:HG13	1:132:D:THR:HG22	3	0.9	0.31	1.08
(2,1363)	1:131:C:ILE:HG13	1:132:D:THR:HG21	3	0.9	0.31	1.08
(2,1361)	1:131:A:ILE:HG13	1:132:B:THR:HG22	3	0.9	0.32	1.09
(2,1361)	1:131:A:ILE:HG13	1:132:B:THR:HG21	3	0.9	0.32	1.09
(1,181)	1:142:A:LEU:HD23	1:138:D:ILE:HA	3	0.57	0.04	0.56
(1,181)	1:142:A:LEU:HD21	1:138:D:ILE:HA	3	0.57	0.04	0.56
(1,181)	1:142:A:LEU:HD22	1:138:D:ILE:HA	3	0.57	0.04	0.56
(1,326)	1:145:B:ILE:HG21	1:142:C:LEU:HB2	3	0.56	0.19	0.48
(1,326)	1:145:B:ILE:HG23	1:142:C:LEU:HB2	3	0.56	0.19	0.48
(1,182)	1:142:B:LEU:HD23	1:138:A:ILE:HA	3	0.56	0.03	0.54
(1,182)	1:142:B:LEU:HD21	1:138:A:ILE:HA	3	0.56	0.03	0.54
(1,182)	1:142:B:LEU:HD22	1:138:A:ILE:HA	3	0.56	0.03	0.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,183)	1:142:C:LEU:HD23	1:138:B:ILE:HA	3	0.56	0.04	0.54
(1,183)	1:142:C:LEU:HD21	1:138:B:ILE:HA	3	0.56	0.04	0.54
(1,183)	1:142:C:LEU:HD22	1:138:B:ILE:HA	3	0.56	0.04	0.54
(1,184)	1:142:D:LEU:HD23	1:138:C:ILE:HA	3	0.56	0.02	0.55
(1,184)	1:142:D:LEU:HD21	1:138:C:ILE:HA	3	0.56	0.02	0.55
(1,184)	1:142:D:LEU:HD22	1:138:C:ILE:HA	3	0.56	0.02	0.55
(1,328)	1:145:D:ILE:HG21	1:142:A:LEU:HB2	3	0.56	0.19	0.46
(1,328)	1:145:D:ILE:HG23	1:142:A:LEU:HB2	3	0.56	0.19	0.46
(2,485)	1:131:A:ILE:HG22	1:131:A:ILE:HG13	3	0.55	0.01	0.55
(2,485)	1:131:A:ILE:HG21	1:131:A:ILE:HG13	3	0.55	0.01	0.55
(2,487)	1:131:C:ILE:HG22	1:131:C:ILE:HG13	3	0.55	0.01	0.55
(2,487)	1:131:C:ILE:HG21	1:131:C:ILE:HG13	3	0.55	0.01	0.55
(2,488)	1:131:D:ILE:HG22	1:131:D:ILE:HG13	3	0.55	0.01	0.55
(2,488)	1:131:D:ILE:HG21	1:131:D:ILE:HG13	3	0.55	0.01	0.55
(1,325)	1:145:A:ILE:HG21	1:142:B:LEU:HB2	3	0.55	0.18	0.46
(1,325)	1:145:A:ILE:HG23	1:142:B:LEU:HB2	3	0.55	0.18	0.46
(2,486)	1:131:B:ILE:HG22	1:131:B:ILE:HG13	3	0.55	0.0	0.55
(2,486)	1:131:B:ILE:HG21	1:131:B:ILE:HG13	3	0.55	0.0	0.55
(1,327)	1:145:C:ILE:HG21	1:142:D:LEU:HB2	3	0.54	0.19	0.44
(1,327)	1:145:C:ILE:HG23	1:142:D:LEU:HB2	3	0.54	0.19	0.44
(2,1209)	1:145:A:ILE:HD12	1:142:A:LEU:HB2	3	0.49	0.04	0.46
(2,1209)	1:145:A:ILE:HD11	1:142:A:LEU:HB2	3	0.49	0.04	0.46
(2,1209)	1:145:A:ILE:HD13	1:142:A:LEU:HB2	3	0.49	0.04	0.46
(2,1210)	1:145:B:ILE:HD12	1:142:B:LEU:HB2	3	0.49	0.04	0.46
(2,1210)	1:145:B:ILE:HD11	1:142:B:LEU:HB2	3	0.49	0.04	0.46
(2,1210)	1:145:B:ILE:HD13	1:142:B:LEU:HB2	3	0.49	0.04	0.46
(2,1211)	1:145:C:ILE:HD12	1:142:C:LEU:HB2	3	0.49	0.04	0.46
(2,1211)	1:145:C:ILE:HD11	1:142:C:LEU:HB2	3	0.49	0.04	0.46
(2,1211)	1:145:C:ILE:HD13	1:142:C:LEU:HB2	3	0.49	0.04	0.46
(2,1212)	1:145:D:ILE:HD12	1:142:D:LEU:HB2	3	0.49	0.04	0.46
(2,1212)	1:145:D:ILE:HD11	1:142:D:LEU:HB2	3	0.49	0.04	0.46
(2,1212)	1:145:D:ILE:HD13	1:142:D:LEU:HB2	3	0.49	0.04	0.46
(2,1226)	1:144:B:GLU:HG2	1:144:B:GLU:HA	3	0.45	0.25	0.56
(2,1288)	1:153:D:VAL:HG13	1:148:C:MET:HG2	3	0.38	0.07	0.39
(2,1288)	1:153:D:VAL:HG11	1:148:C:MET:HG2	3	0.38	0.07	0.39
(2,1287)	1:153:C:VAL:HG13	1:148:B:MET:HG2	3	0.37	0.06	0.37
(2,1287)	1:153:C:VAL:HG11	1:148:B:MET:HG2	3	0.37	0.06	0.37
(2,1285)	1:153:A:VAL:HG13	1:148:D:MET:HG2	3	0.37	0.07	0.36
(2,1285)	1:153:A:VAL:HG11	1:148:D:MET:HG2	3	0.37	0.07	0.36
(2,1286)	1:153:B:VAL:HG13	1:148:A:MET:HG2	3	0.37	0.07	0.38
(2,1286)	1:153:B:VAL:HG11	1:148:A:MET:HG2	3	0.37	0.07	0.38
(2,1698)	1:142:B:LEU:H	1:142:B:LEU:HD11	3	0.36	0.04	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1697)	1:142:A:LEU:H	1:142:A:LEU:HD11	3	0.36	0.03	0.36
(2,1699)	1:142:C:LEU:H	1:142:C:LEU:HD11	3	0.36	0.03	0.36
(2,1700)	1:142:D:LEU:H	1:142:D:LEU:HD11	3	0.36	0.03	0.36
(2,2391)	1:134:C:ARG:H	1:131:C:ILE:HG21	3	0.33	0.05	0.35
(2,2391)	1:134:C:ARG:H	1:131:C:ILE:HG23	3	0.33	0.05	0.35
(2,2390)	1:134:B:ARG:H	1:131:B:ILE:HG21	3	0.32	0.05	0.35
(2,2390)	1:134:B:ARG:H	1:131:B:ILE:HG23	3	0.32	0.05	0.35
(2,2392)	1:134:D:ARG:H	1:131:D:ILE:HG21	3	0.32	0.05	0.35
(2,2392)	1:134:D:ARG:H	1:131:D:ILE:HG23	3	0.32	0.05	0.35
(1,108)	1:153:D:VAL:HG23	1:154:C:VAL:HB	3	0.32	0.08	0.28
(1,108)	1:153:D:VAL:HG22	1:154:C:VAL:HB	3	0.32	0.08	0.28
(1,105)	1:153:A:VAL:HG23	1:154:D:VAL:HB	3	0.32	0.1	0.28
(1,105)	1:153:A:VAL:HG22	1:154:D:VAL:HB	3	0.32	0.1	0.28
(1,106)	1:153:B:VAL:HG23	1:154:A:VAL:HB	3	0.32	0.09	0.27
(1,106)	1:153:B:VAL:HG22	1:154:A:VAL:HB	3	0.32	0.09	0.27
(1,107)	1:153:C:VAL:HG23	1:154:B:VAL:HB	3	0.31	0.08	0.28
(1,107)	1:153:C:VAL:HG22	1:154:B:VAL:HB	3	0.31	0.08	0.28
(2,1312)	1:148:D:MET:HE2	1:149:A:LEU:HD13	3	0.29	0.01	0.29
(2,1312)	1:148:D:MET:HE3	1:149:A:LEU:HD12	3	0.29	0.01	0.29
(2,1312)	1:148:D:MET:HE3	1:149:A:LEU:HD13	3	0.29	0.01	0.29
(2,1310)	1:148:B:MET:HE2	1:149:C:LEU:HD13	3	0.29	0.01	0.29
(2,1310)	1:148:B:MET:HE3	1:149:C:LEU:HD12	3	0.29	0.01	0.29
(2,1310)	1:148:B:MET:HE3	1:149:C:LEU:HD13	3	0.29	0.01	0.29
(2,1309)	1:148:A:MET:HE2	1:149:B:LEU:HD13	3	0.29	0.0	0.29
(2,1309)	1:148:A:MET:HE3	1:149:B:LEU:HD12	3	0.29	0.0	0.29
(2,1309)	1:148:A:MET:HE3	1:149:B:LEU:HD13	3	0.29	0.0	0.29
(2,1311)	1:148:C:MET:HE2	1:149:D:LEU:HD13	3	0.28	0.0	0.28
(2,1311)	1:148:C:MET:HE3	1:149:D:LEU:HD12	3	0.28	0.0	0.28
(2,1311)	1:148:C:MET:HE3	1:149:D:LEU:HD13	3	0.28	0.0	0.28
(2,5)	1:163:A:ARG:HD2	1:163:A:ARG:HB3	3	0.24	0.02	0.23
(2,6)	1:163:B:ARG:HD2	1:163:B:ARG:HB3	3	0.24	0.02	0.23
(2,7)	1:163:C:ARG:HD2	1:163:C:ARG:HB3	3	0.24	0.02	0.23
(2,8)	1:163:D:ARG:HD2	1:163:D:ARG:HB3	3	0.24	0.02	0.23
(2,1322)	1:148:B:MET:HE2	1:150:C:HIS:HA	3	0.18	0.07	0.14
(2,1322)	1:148:B:MET:HE1	1:150:C:HIS:HA	3	0.18	0.07	0.14
(2,1322)	1:148:B:MET:HE3	1:150:C:HIS:HA	3	0.18	0.07	0.14
(1,423)	1:142:C:LEU:HD12	1:145:B:ILE:HB	3	0.17	0.05	0.19
(1,423)	1:142:C:LEU:HD13	1:145:B:ILE:HB	3	0.17	0.05	0.19
(1,626)	1:142:B:LEU:HA	1:145:A:ILE:HD12	3	0.17	0.05	0.15
(1,626)	1:142:B:LEU:HA	1:145:A:ILE:HD11	3	0.17	0.05	0.15
(1,625)	1:142:A:LEU:HA	1:145:D:ILE:HD12	3	0.16	0.05	0.13
(1,625)	1:142:A:LEU:HA	1:145:D:ILE:HD11	3	0.16	0.05	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,627)	1:142:C:LEU:HA	1:145:B:ILE:HD12	3	0.16	0.05	0.14
(1,627)	1:142:C:LEU:HA	1:145:B:ILE:HD11	3	0.16	0.05	0.14
(1,628)	1:142:D:LEU:HA	1:145:C:ILE:HD12	3	0.16	0.05	0.14
(1,628)	1:142:D:LEU:HA	1:145:C:ILE:HD11	3	0.16	0.05	0.14
(2,1321)	1:148:A:MET:HE2	1:150:B:HIS:HA	3	0.16	0.07	0.13
(2,1321)	1:148:A:MET:HE1	1:150:B:HIS:HA	3	0.16	0.07	0.13
(2,1324)	1:148:D:MET:HE2	1:150:A:HIS:HA	3	0.16	0.07	0.12
(2,1324)	1:148:D:MET:HE3	1:150:A:HIS:HA	3	0.16	0.07	0.12
(2,1324)	1:148:D:MET:HE1	1:150:A:HIS:HA	3	0.16	0.07	0.12
(2,1962)	1:132:B:THR:H	1:131:B:ILE:HG22	3	0.14	0.02	0.15
(2,1962)	1:132:B:THR:H	1:131:B:ILE:HG23	3	0.14	0.02	0.15
(2,1962)	1:132:B:THR:H	1:131:B:ILE:HG21	3	0.14	0.02	0.15
(2,1963)	1:132:C:THR:H	1:131:C:ILE:HG22	3	0.14	0.02	0.15
(2,1963)	1:132:C:THR:H	1:131:C:ILE:HG23	3	0.14	0.02	0.15
(2,1963)	1:132:C:THR:H	1:131:C:ILE:HG21	3	0.14	0.02	0.15
(2,1961)	1:132:A:THR:H	1:131:A:ILE:HG22	3	0.14	0.02	0.14
(2,1961)	1:132:A:THR:H	1:131:A:ILE:HG23	3	0.14	0.02	0.14
(2,1961)	1:132:A:THR:H	1:131:A:ILE:HG21	3	0.14	0.02	0.14
(2,1964)	1:132:D:THR:H	1:131:D:ILE:HG22	3	0.14	0.02	0.14
(2,1964)	1:132:D:THR:H	1:131:D:ILE:HG23	3	0.14	0.02	0.14
(2,1964)	1:132:D:THR:H	1:131:D:ILE:HG21	3	0.14	0.02	0.14
(1,599)	1:131:C:ILE:HD13	1:132:D:THR:HA	3	0.13	0.0	0.13
(1,599)	1:131:C:ILE:HD12	1:132:D:THR:HA	3	0.13	0.0	0.13
(2,1597)	1:137:A:ARG:H	1:136:A:ASP:HB2	3	0.13	0.01	0.12
(2,1598)	1:137:B:ARG:H	1:136:B:ASP:HB2	3	0.13	0.02	0.12
(1,597)	1:131:A:ILE:HD13	1:132:B:THR:HA	3	0.13	0.01	0.13
(1,597)	1:131:A:ILE:HD12	1:132:B:THR:HA	3	0.13	0.01	0.13
(2,1600)	1:137:D:ARG:H	1:136:D:ASP:HB2	3	0.13	0.02	0.12
(1,600)	1:131:D:ILE:HD13	1:132:A:THR:HA	3	0.12	0.02	0.1
(1,600)	1:131:D:ILE:HD12	1:132:A:THR:HA	3	0.12	0.02	0.1
(2,1011)	1:127:C:THR:HA	1:130:C:ASN:HB2	3	0.11	0.0	0.11
(2,1012)	1:127:D:THR:HA	1:130:D:ASN:HB2	3	0.11	0.0	0.11
(2,1009)	1:127:A:THR:HA	1:130:A:ASN:HB2	3	0.11	0.0	0.11
(2,1010)	1:127:B:THR:HA	1:130:B:ASN:HB2	3	0.11	0.0	0.11
(2,2171)	1:130:C:ASN:HD21	1:127:C:THR:HB	2	0.86	0.29	0.86
(2,2172)	1:130:D:ASN:HD21	1:127:D:THR:HB	2	0.86	0.29	0.86
(2,2169)	1:130:A:ASN:HD21	1:127:A:THR:HB	2	0.86	0.28	0.86
(2,2170)	1:130:B:ASN:HD21	1:127:B:THR:HB	2	0.86	0.29	0.86
(2,914)	1:145:B:ILE:HD11	1:144:B:GLU:HB2	2	0.78	0.64	0.78
(2,914)	1:145:B:ILE:HD13	1:144:B:GLU:HB2	2	0.78	0.64	0.78
(2,916)	1:145:D:ILE:HD11	1:144:D:GLU:HB2	2	0.78	0.64	0.78
(2,916)	1:145:D:ILE:HD13	1:144:D:GLU:HB2	2	0.78	0.64	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,915)	1:145:C:ILE:HD11	1:144:C:GLU:HB2	2	0.77	0.64	0.77
(2,915)	1:145:C:ILE:HD13	1:144:C:GLU:HB2	2	0.77	0.64	0.77
(2,913)	1:145:A:ILE:HD11	1:144:A:GLU:HB2	2	0.77	0.64	0.77
(2,913)	1:145:A:ILE:HD13	1:144:A:GLU:HB2	2	0.77	0.64	0.77
(2,765)	1:145:A:ILE:HA	1:144:A:GLU:HB2	2	0.74	0.59	0.74
(2,766)	1:145:B:ILE:HA	1:144:B:GLU:HB2	2	0.74	0.59	0.74
(2,767)	1:145:C:ILE:HA	1:144:C:GLU:HB2	2	0.74	0.59	0.74
(2,768)	1:145:D:ILE:HA	1:144:D:GLU:HB2	2	0.74	0.59	0.74
(2,1225)	1:144:A:GLU:HG2	1:144:A:GLU:HA	2	0.62	0.07	0.62
(2,1227)	1:144:C:GLU:HG2	1:144:C:GLU:HA	2	0.62	0.07	0.62
(2,1228)	1:144:D:GLU:HG2	1:144:D:GLU:HA	2	0.62	0.07	0.62
(2,304)	1:144:D:GLU:HG3	1:141:D:LYS:HA	2	0.56	0.02	0.56
(2,301)	1:144:A:GLU:HG3	1:141:A:LYS:HA	2	0.56	0.03	0.56
(2,302)	1:144:B:GLU:HG3	1:141:B:LYS:HA	2	0.56	0.03	0.56
(2,303)	1:144:C:GLU:HG3	1:141:C:LYS:HA	2	0.56	0.03	0.56
(2,1173)	1:152:A:LEU:HD12	1:156:B:SER:HB2	2	0.55	0.01	0.55
(2,1174)	1:152:B:LEU:HD12	1:156:C:SER:HB2	2	0.55	0.01	0.55
(2,1175)	1:152:C:LEU:HD12	1:156:D:SER:HB2	2	0.55	0.02	0.55
(2,1176)	1:152:D:LEU:HD12	1:156:A:SER:HB2	2	0.52	0.01	0.52
(2,2462)	1:128:B:ASN:HD22	1:132:B:THR:HG21	2	0.46	0.08	0.46
(2,2462)	1:128:B:ASN:HD22	1:132:B:THR:HG22	2	0.46	0.08	0.46
(2,2461)	1:128:A:ASN:HD22	1:132:A:THR:HG21	2	0.45	0.08	0.45
(2,2461)	1:128:A:ASN:HD22	1:132:A:THR:HG22	2	0.45	0.08	0.45
(2,2464)	1:128:D:ASN:HD22	1:132:D:THR:HG21	2	0.45	0.07	0.45
(2,2464)	1:128:D:ASN:HD22	1:132:D:THR:HG22	2	0.45	0.07	0.45
(2,2463)	1:128:C:ASN:HD22	1:132:C:THR:HG21	2	0.44	0.09	0.44
(2,2463)	1:128:C:ASN:HD22	1:132:C:THR:HG22	2	0.44	0.09	0.44
(2,1438)	1:144:B:GLU:H	1:144:B:GLU:HG3	2	0.42	0.01	0.42
(2,1439)	1:144:C:GLU:H	1:144:C:GLU:HG3	2	0.42	0.01	0.42
(2,1440)	1:144:D:GLU:H	1:144:D:GLU:HG3	2	0.42	0.01	0.42
(2,1437)	1:144:A:GLU:H	1:144:A:GLU:HG3	2	0.41	0.01	0.41
(2,1034)	1:156:B:SER:HB2	1:152:A:LEU:HD12	2	0.35	0.01	0.35
(2,1035)	1:156:C:SER:HB2	1:152:B:LEU:HD12	2	0.35	0.01	0.35
(2,1036)	1:156:D:SER:HB2	1:152:C:LEU:HD12	2	0.34	0.01	0.34
(2,1033)	1:156:A:SER:HB2	1:152:D:LEU:HD12	2	0.32	0.01	0.32
(2,1326)	1:146:B:LEU:HD22	1:144:A:GLU:HG3	2	0.32	0.12	0.32
(2,1326)	1:146:B:LEU:HD23	1:144:A:GLU:HG3	2	0.32	0.12	0.32
(2,1328)	1:146:D:LEU:HD22	1:144:C:GLU:HG3	2	0.32	0.1	0.32
(2,1328)	1:146:D:LEU:HD23	1:144:C:GLU:HG3	2	0.32	0.1	0.32
(2,1327)	1:146:C:LEU:HD22	1:144:B:GLU:HG3	2	0.32	0.1	0.32
(2,1327)	1:146:C:LEU:HD23	1:144:B:GLU:HG3	2	0.32	0.1	0.32
(2,1325)	1:146:A:LEU:HD22	1:144:D:GLU:HG3	2	0.3	0.08	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1325)	1:146:A:LEU:HD23	1:144:D:GLU:HG3	2	0.3	0.08	0.3
(2,298)	1:144:B:GLU:HG3	1:144:B:GLU:HB2	2	0.24	0.02	0.24
(2,300)	1:144:D:GLU:HG3	1:144:D:GLU:HB2	2	0.24	0.02	0.24
(2,297)	1:144:A:GLU:HG3	1:144:A:GLU:HB2	2	0.23	0.02	0.23
(2,299)	1:144:C:GLU:HG3	1:144:C:GLU:HB2	2	0.23	0.02	0.23
(1,422)	1:142:B:LEU:HD12	1:145:A:ILE:HB	2	0.21	0.02	0.21
(1,424)	1:142:D:LEU:HD12	1:145:C:ILE:HB	2	0.21	0.02	0.21
(2,2085)	1:137:A:ARG:H	1:137:A:ARG:HD3	2	0.21	0.01	0.21
(1,421)	1:142:A:LEU:HD12	1:145:D:ILE:HB	2	0.21	0.0	0.21
(2,2086)	1:137:B:ARG:H	1:137:B:ARG:HD3	2	0.2	0.02	0.2
(2,2088)	1:137:D:ARG:H	1:137:D:ARG:HD3	2	0.2	0.02	0.2
(2,1323)	1:148:C:MET:HE2	1:150:D:HIS:HA	2	0.2	0.06	0.2
(2,1323)	1:148:C:MET:HE1	1:150:D:HIS:HA	2	0.2	0.06	0.2
(2,2087)	1:137:C:ARG:H	1:137:C:ARG:HD3	2	0.2	0.01	0.2
(2,1241)	1:137:A:ARG:HG2	1:141:A:LYS:HE3	2	0.2	0.04	0.2
(2,1244)	1:137:D:ARG:HG2	1:141:D:LYS:HE3	2	0.2	0.04	0.2
(2,1242)	1:137:B:ARG:HG2	1:141:B:LYS:HE3	2	0.19	0.05	0.19
(2,1243)	1:137:C:ARG:HG2	1:141:C:LYS:HE3	2	0.19	0.04	0.19
(2,541)	1:148:A:MET:HE3	1:146:B:LEU:HB2	2	0.18	0.07	0.18
(2,541)	1:148:A:MET:HE1	1:146:B:LEU:HB2	2	0.18	0.07	0.18
(1,490)	1:135:B:LEU:HD13	1:135:A:LEU:HG	2	0.18	0.03	0.18
(1,490)	1:135:B:LEU:HD12	1:135:A:LEU:HG	2	0.18	0.03	0.18
(2,2)	1:163:B:ARG:HD2	1:163:B:ARG:HB2	2	0.16	0.02	0.16
(2,3)	1:163:C:ARG:HD2	1:163:C:ARG:HB2	2	0.16	0.02	0.16
(2,4)	1:163:D:ARG:HD2	1:163:D:ARG:HB2	2	0.16	0.02	0.16
(1,492)	1:135:D:LEU:HD13	1:135:C:LEU:HG	2	0.16	0.03	0.16
(1,492)	1:135:D:LEU:HD12	1:135:C:LEU:HG	2	0.16	0.03	0.16
(2,1)	1:163:A:ARG:HD2	1:163:A:ARG:HB2	2	0.16	0.01	0.16
(1,491)	1:135:C:LEU:HD13	1:135:B:LEU:HG	2	0.16	0.02	0.16
(1,491)	1:135:C:LEU:HD12	1:135:B:LEU:HG	2	0.16	0.02	0.16
(1,489)	1:135:A:LEU:HD13	1:135:D:LEU:HG	2	0.16	0.02	0.16
(1,489)	1:135:A:LEU:HD12	1:135:D:LEU:HG	2	0.16	0.02	0.16
(2,2286)	1:145:B:ILE:H	1:145:B:ILE:HG12	2	0.16	0.05	0.16
(2,2287)	1:145:C:ILE:H	1:145:C:ILE:HG12	2	0.15	0.04	0.15
(2,2288)	1:145:D:ILE:H	1:145:D:ILE:HG12	2	0.15	0.04	0.15
(2,2285)	1:145:A:ILE:H	1:145:A:ILE:HG12	2	0.15	0.04	0.15
(2,455)	1:134:C:ARG:HA	1:134:C:ARG:HD2	2	0.14	0.02	0.14
(2,454)	1:134:B:ARG:HA	1:134:B:ARG:HD2	2	0.14	0.02	0.14
(2,456)	1:134:D:ARG:HA	1:134:D:ARG:HD2	2	0.14	0.02	0.14
(2,1960)	1:136:D:ASP:H	1:135:D:LEU:HB3	2	0.14	0.01	0.14
(2,1958)	1:136:B:ASP:H	1:135:B:LEU:HB3	2	0.13	0.0	0.13
(2,1959)	1:136:C:ASP:H	1:135:C:LEU:HB3	2	0.13	0.0	0.13

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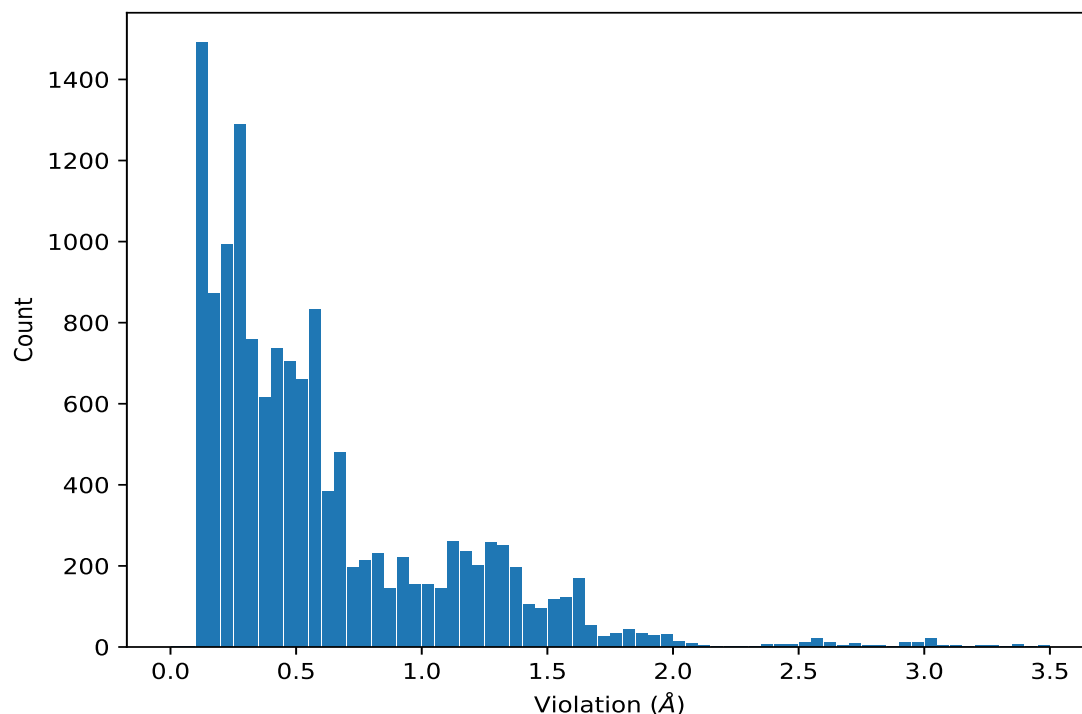
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,598)	1:131:B:ILE:HD12	1:132:C:THR:HA	2	0.12	0.02	0.12
(1,598)	1:131:B:ILE:HD13	1:132:C:THR:HA	2	0.12	0.02	0.12
(2,453)	1:134:A:ARG:HA	1:134:A:ARG:HD2	2	0.12	0.01	0.12
(2,1957)	1:136:A:ASP:H	1:135:A:LEU:HB3	2	0.12	0.01	0.12
(2,2401)	1:131:A:ILE:H	1:134:A:ARG:H	2	0.11	0.0	0.11
(2,2402)	1:131:B:ILE:H	1:134:B:ARG:H	2	0.11	0.0	0.11
(2,2403)	1:131:C:ILE:H	1:134:C:ARG:H	2	0.11	0.0	0.11
(2,2404)	1:131:D:ILE:H	1:134:D:ARG:H	2	0.11	0.0	0.11
(2,2309)	1:142:A:LEU:H	1:141:A:LYS:HG3	2	0.11	0.0	0.11
(2,2310)	1:142:B:LEU:H	1:141:B:LYS:HG3	2	0.11	0.0	0.11
(2,2312)	1:142:D:LEU:H	1:141:D:LYS:HG3	2	0.11	0.0	0.11
(1,655)	1:152:C:LEU:HD21	1:153:D:VAL:HA	2	0.1	0.0	0.1
(2,2244)	1:154:D:VAL:H	1:150:D:HIS:HA	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:161:B:SER:HB3	1:160:C:THR:HG22	20	3.47
(1,647)	1:161:C:SER:HB3	1:160:D:THR:HG22	20	3.46
(1,645)	1:161:A:SER:HB3	1:160:B:THR:HG22	20	3.46
(1,648)	1:161:D:SER:HB3	1:160:A:THR:HG22	20	3.45
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE2	17	3.41
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE2	17	3.41
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE2	17	3.4
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE3	12	3.39
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE3	12	3.38
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE2	17	3.38
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE3	12	3.38
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE3	12	3.37
(1,398)	1:142:B:LEU:HD23	1:148:A:MET:HE1	4	3.31
(1,399)	1:142:C:LEU:HD23	1:148:B:MET:HE1	4	3.3
(1,400)	1:142:D:LEU:HD23	1:148:C:MET:HE1	4	3.29
(1,397)	1:142:A:LEU:HD23	1:148:D:MET:HE1	4	3.28
(1,399)	1:142:C:LEU:HD21	1:148:B:MET:HE2	19	3.22
(1,398)	1:142:B:LEU:HD21	1:148:A:MET:HE2	19	3.22
(1,397)	1:142:A:LEU:HD21	1:148:D:MET:HE2	19	3.22
(1,400)	1:142:D:LEU:HD21	1:148:C:MET:HE2	19	3.2
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE3	7	3.13
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE3	7	3.13
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE3	7	3.13
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE3	7	3.13
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE1	15	3.07
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE1	15	3.07
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE1	15	3.06
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE1	15	3.06
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE3	8	3.05
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE3	8	3.05
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE3	8	3.05
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE3	8	3.04
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE3	18	3.03
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE3	18	3.03
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE2	11	3.02
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE2	11	3.02
(1,397)	1:142:A:LEU:HD21	1:148:D:MET:HE2	10	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE2	11	3.02
(1,400)	1:142:D:LEU:HD21	1:148:C:MET:HE2	10	3.01
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE2	11	3.01
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE3	14	3.01
(1,399)	1:142:C:LEU:HD21	1:148:B:MET:HE2	10	3.01
(1,398)	1:142:B:LEU:HD21	1:148:A:MET:HE2	10	3.01
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE3	14	3.01
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE3	18	3.01
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE1	3	3.0
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE3	18	3.0
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE1	3	3.0
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE3	14	3.0
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE3	14	3.0
(1,399)	1:142:C:LEU:HD23	1:148:B:MET:HE2	20	2.99
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE1	3	2.99
(1,398)	1:142:B:LEU:HD23	1:148:A:MET:HE2	20	2.99
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE1	3	2.99
(1,397)	1:142:A:LEU:HD23	1:148:D:MET:HE2	20	2.99
(1,400)	1:142:D:LEU:HD23	1:148:C:MET:HE2	20	2.98
(1,398)	1:142:B:LEU:HD21	1:148:A:MET:HE2	1	2.97
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE2	16	2.95
(1,397)	1:142:A:LEU:HD21	1:148:D:MET:HE2	1	2.95
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE2	16	2.95
(1,400)	1:142:D:LEU:HD21	1:148:C:MET:HE2	1	2.94
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE2	16	2.94
(1,399)	1:142:C:LEU:HD21	1:148:B:MET:HE2	1	2.94
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE2	16	2.94
(1,400)	1:142:D:LEU:HD21	1:148:C:MET:HE2	6	2.93
(1,399)	1:142:C:LEU:HD21	1:148:B:MET:HE2	2	2.93
(1,399)	1:142:C:LEU:HD21	1:148:B:MET:HE2	6	2.93
(1,398)	1:142:B:LEU:HD21	1:148:A:MET:HE2	6	2.93
(1,397)	1:142:A:LEU:HD21	1:148:D:MET:HE2	2	2.93
(1,398)	1:142:B:LEU:HD21	1:148:A:MET:HE2	2	2.92
(1,397)	1:142:A:LEU:HD21	1:148:D:MET:HE2	6	2.92
(1,400)	1:142:D:LEU:HD21	1:148:C:MET:HE2	2	2.91
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE1	5	2.83
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE1	5	2.83
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE1	5	2.83
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE1	5	2.83
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	13	2.8
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	13	2.79
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	13	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	13	2.79
(1,397)	1:142:A:LEU:HD23	1:148:D:MET:HE3	9	2.74
(1,400)	1:142:D:LEU:HD23	1:148:C:MET:HE3	9	2.73
(1,400)	1:142:D:LEU:HD22	1:148:C:MET:HE2	13	2.73
(1,398)	1:142:B:LEU:HD23	1:148:A:MET:HE3	9	2.73
(1,399)	1:142:C:LEU:HD23	1:148:B:MET:HE3	9	2.72
(1,398)	1:142:B:LEU:HD22	1:148:A:MET:HE2	13	2.72
(1,399)	1:142:C:LEU:HD22	1:148:B:MET:HE2	13	2.71
(1,397)	1:142:A:LEU:HD22	1:148:D:MET:HE2	13	2.71
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	5	2.69
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	5	2.69
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	5	2.68
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	5	2.67
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	19	2.65
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	19	2.65
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	19	2.64
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	19	2.63
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	15	2.63
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	15	2.63
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	15	2.62
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	15	2.61
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	7	2.61
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	9	2.6
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	7	2.59
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	9	2.59
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	8	2.59
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	20	2.59
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	7	2.59
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	8	2.58
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	6	2.58
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	9	2.58
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	8	2.58
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	9	2.58
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	20	2.58
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	6	2.58
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	7	2.58
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	6	2.57
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	10	2.57
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	8	2.57
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	20	2.57
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	10	2.56
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	20	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	10	2.56
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	17	2.56
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	16	2.55
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	17	2.55
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	6	2.55
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	17	2.55
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	10	2.55
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	17	2.54
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	16	2.54
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	16	2.54
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	16	2.52
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	11	2.51
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	11	2.49
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	11	2.49
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	11	2.48
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	1	2.46
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	1	2.45
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	1	2.44
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	1	2.44
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	18	2.42
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	18	2.42
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	18	2.42
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	12	2.41
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	12	2.41
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	2	2.4
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	18	2.4
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	2	2.4
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	2	2.4
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	12	2.4
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	2	2.39
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	12	2.38
(1,648)	1:161:D:SER:HB3	1:160:A:THR:HG21	17	2.2
(1,646)	1:161:B:SER:HB3	1:160:C:THR:HG21	17	2.2
(1,645)	1:161:A:SER:HB3	1:160:B:THR:HG21	17	2.19
(1,647)	1:161:C:SER:HB3	1:160:D:THR:HG21	17	2.16
(1,7)	1:160:C:THR:HG23	1:159:B:PRO:HB2	9	2.14
(1,5)	1:160:A:THR:HG23	1:159:D:PRO:HB2	9	2.13
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	10	2.1
(1,8)	1:160:D:THR:HG23	1:159:C:PRO:HB2	9	2.1
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	11	2.09
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	10	2.08
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	11	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	11	2.08
(1,6)	1:160:B:THR:HG23	1:159:A:PRO:HB2	9	2.08
(1,647)	1:161:C:SER:HB3	1:160:B:THR:HG22	6	2.06
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	10	2.06
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	10	2.06
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	14	2.04
(1,645)	1:161:A:SER:HB3	1:160:D:THR:HG22	6	2.03
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	14	2.03
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	11	2.03
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	14	2.03
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG21	12	2.02
(1,356)	1:145:D:ILE:HD13	1:141:C:LYS:HD3	14	2.01
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG22	5	2.01
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG23	4	2.01
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	14	2.01
(1,354)	1:145:B:ILE:HD13	1:141:A:LYS:HD3	14	2.0
(1,353)	1:145:A:ILE:HD13	1:141:D:LYS:HD3	14	2.0
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG23	4	2.0
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG22	5	2.0
(1,355)	1:145:C:ILE:HD13	1:141:B:LYS:HD3	14	1.99
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG22	11	1.99
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG22	14	1.99
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG22	5	1.99
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG23	4	1.99
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG23	13	1.99
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG22	6	1.98
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG21	12	1.98
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG21	12	1.98
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG23	13	1.98
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG22	5	1.98
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG23	10	1.98
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG23	19	1.98
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG21	12	1.98
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG23	13	1.98
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG11	15	1.98
(1,648)	1:161:D:SER:HB3	1:160:C:THR:HG22	6	1.97
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG23	10	1.97
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG23	9	1.97
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG22	11	1.97
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	4	1.97
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG11	9	1.97
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG23	9	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG23	13	1.96
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG23	19	1.96
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG22	8	1.96
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG23	9	1.96
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG22	11	1.96
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG22	14	1.96
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG11	15	1.96
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG11	9	1.96
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG11	15	1.96
(1,455)	1:138:C:ILE:HD11	1:137:D:ARG:HB2	14	1.95
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG22	11	1.95
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG21	7	1.95
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG22	14	1.95
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG22	17	1.95
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG11	15	1.95
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG11	9	1.95
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	4	1.95
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG21	7	1.94
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG23	10	1.94
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG22	14	1.94
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG21	7	1.94
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG23	9	1.94
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	4	1.94
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	4	1.94
(1,456)	1:138:D:ILE:HD11	1:137:A:ARG:HB2	14	1.93
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG23	4	1.93
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG22	17	1.93
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG23	10	1.93
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG23	19	1.93
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG11	9	1.93
(1,647)	1:161:C:SER:HB3	1:160:B:THR:HG22	8	1.92
(1,645)	1:161:A:SER:HB3	1:160:D:THR:HG22	8	1.92
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG21	7	1.92
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG22	8	1.92
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG11	5	1.92
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG22	8	1.91
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG22	17	1.91
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG11	5	1.91
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG23	19	1.9
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG23	1	1.9
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG22	17	1.89
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG22	8	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	17	1.89
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	17	1.89
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	17	1.89
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG11	5	1.89
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG22	2	1.88
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	17	1.88
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	1	1.88
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG11	5	1.88
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	1	1.88
(1,648)	1:161:D:SER:HB3	1:160:C:THR:HG22	8	1.87
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG23	15	1.87
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	1	1.87
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG21	6	1.86
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG23	15	1.86
(1,200)	1:151:D:THR:HG21	1:154:A:VAL:HG23	16	1.86
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG23	1	1.86
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG21	6	1.86
(1,197)	1:151:A:THR:HG21	1:154:B:VAL:HG23	16	1.86
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG22	18	1.86
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	1	1.86
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG22	8	1.85
(1,453)	1:138:A:ILE:HD11	1:137:B:ARG:HB2	14	1.85
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG23	1	1.85
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG23	20	1.85
(1,197)	1:151:A:THR:HG22	1:154:B:VAL:HG23	15	1.85
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG23	20	1.85
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	12	1.85
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	2	1.85
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	16	1.85
(1,454)	1:138:B:ILE:HD11	1:137:C:ARG:HB2	14	1.84
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG23	2	1.84
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG23	15	1.84
(1,199)	1:151:C:THR:HG21	1:154:D:VAL:HG23	16	1.84
(1,199)	1:151:C:THR:HG22	1:154:D:VAL:HG22	18	1.84
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG23	20	1.84
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG23	1	1.84
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	7	1.84
(1,8)	1:160:D:THR:HG23	1:159:A:PRO:HB2	11	1.84
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG23	20	1.83
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG23	2	1.83
(1,198)	1:151:B:THR:HG21	1:154:C:VAL:HG23	16	1.83
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG21	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	7	1.83
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	16	1.83
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	7	1.83
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	7	1.83
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	18	1.83
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG11	19	1.83
(1,6)	1:160:B:THR:HG23	1:159:C:PRO:HB2	11	1.83
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG22	2	1.82
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG21	6	1.82
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	6	1.82
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	2	1.82
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG11	19	1.82
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	6	1.82
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	16	1.82
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	17	1.81
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	3	1.81
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	12	1.81
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	16	1.81
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	18	1.81
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	12	1.81
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	8	1.8
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	8	1.8
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	8	1.8
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	8	1.8
(1,646)	1:161:B:SER:HB3	1:160:C:THR:HG22	7	1.8
(1,200)	1:151:D:THR:HG22	1:154:A:VAL:HG22	18	1.8
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	12	1.8
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	18	1.8
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	6	1.8
(1,5)	1:160:A:THR:HG23	1:159:B:PRO:HB2	11	1.8
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	17	1.79
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	17	1.79
(1,198)	1:151:B:THR:HG22	1:154:C:VAL:HG22	18	1.79
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	18	1.79
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG11	19	1.79
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	3	1.79
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	2	1.79
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG13	3	1.79
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG13	3	1.79
(1,648)	1:161:D:SER:HB3	1:160:A:THR:HG22	7	1.78
(1,645)	1:161:A:SER:HB3	1:160:B:THR:HG22	7	1.78
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	16	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	17	1.78
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG13	2	1.78
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG11	19	1.78
(1,647)	1:161:C:SER:HB3	1:160:D:THR:HG22	7	1.77
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG13	6	1.77
(1,15)	1:160:C:THR:HG22	1:160:B:THR:HB	19	1.77
(1,7)	1:160:C:THR:HG23	1:159:D:PRO:HB2	11	1.77
(1,1)	1:162:A:ALA:HB2	1:160:D:THR:HB	7	1.77
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	19	1.76
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	19	1.76
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	19	1.76
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	16	1.76
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	20	1.76
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	20	1.76
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	20	1.76
(1,3)	1:162:C:ALA:HB2	1:160:B:THR:HB	7	1.76
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	19	1.75
(1,355)	1:145:C:ILE:HD11	1:141:B:LYS:HD3	4	1.75
(1,354)	1:145:B:ILE:HD11	1:141:A:LYS:HD3	4	1.75
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	20	1.75
(1,2)	1:162:B:ALA:HB2	1:160:A:THR:HB	7	1.75
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	17	1.74
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	16	1.74
(1,4)	1:162:D:ALA:HB2	1:160:C:THR:HB	7	1.74
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	17	1.73
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	17	1.73
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	17	1.73
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	5	1.73
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	5	1.73
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	5	1.73
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	5	1.73
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	16	1.73
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	20	1.73
(1,456)	1:138:D:ILE:HD12	1:137:A:ARG:HB2	20	1.73
(1,356)	1:145:D:ILE:HD11	1:141:C:LYS:HD3	4	1.73
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD22	12	1.73
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD22	12	1.73
(1,13)	1:160:A:THR:HG22	1:160:D:THR:HB	19	1.73
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	20	1.72
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	20	1.72
(1,453)	1:138:A:ILE:HD12	1:137:B:ARG:HB2	20	1.72
(1,353)	1:145:A:ILE:HD11	1:141:D:LYS:HD3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD22	12	1.72
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD22	12	1.71
(1,14)	1:160:B:THR:HG22	1:160:A:THR:HB	19	1.71
(1,8)	1:160:D:THR:HG23	1:159:C:PRO:HB2	5	1.71
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	15	1.7
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	13	1.7
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	13	1.7
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	13	1.69
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	13	1.69
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	13	1.69
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	13	1.69
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	7	1.69
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	7	1.69
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	7	1.69
(1,528)	1:132:D:THR:HG23	1:129:C:ASP:HA	14	1.69
(1,526)	1:132:B:THR:HG23	1:129:A:ASP:HA	14	1.69
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	15	1.69
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	13	1.69
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	13	1.69
(1,2)	1:162:B:ALA:HB1	1:160:A:THR:HB	2	1.69
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	1	1.68
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	1	1.68
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	1	1.68
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	1	1.68
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	7	1.68
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	20	1.68
(1,527)	1:132:C:THR:HG23	1:129:B:ASP:HA	14	1.68
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	15	1.68
(1,453)	1:138:A:ILE:HD12	1:137:B:ARG:HB2	6	1.68
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	15	1.68
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	15	1.68
(1,5)	1:160:A:THR:HG23	1:159:D:PRO:HB2	5	1.68
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	4	1.67
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	2	1.67
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	6	1.67
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	15	1.67
(1,525)	1:132:A:THR:HG23	1:129:D:ASP:HA	14	1.67
(1,453)	1:138:A:ILE:HD12	1:137:B:ARG:HB2	11	1.67
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	15	1.67
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG11	13	1.67
(1,7)	1:160:C:THR:HG23	1:159:B:PRO:HB2	5	1.67
(1,6)	1:160:B:THR:HG23	1:159:A:PRO:HB2	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:162:D:ALA:HB1	1:160:C:THR:HB	2	1.67
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	9	1.66
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	17	1.66
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	2	1.66
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	6	1.66
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	15	1.66
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	19	1.66
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	2	1.66
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	4	1.66
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	2	1.66
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	3	1.66
(1,455)	1:138:C:ILE:HD12	1:137:D:ARG:HB2	6	1.66
(1,454)	1:138:B:ILE:HD12	1:137:C:ARG:HB2	6	1.66
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	8	1.66
(1,16)	1:160:D:THR:HG22	1:160:C:THR:HB	19	1.66
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	14	1.65
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	9	1.65
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	14	1.65
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	9	1.65
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	14	1.65
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	9	1.65
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	11	1.65
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	3	1.65
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	3	1.65
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	6	1.65
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	3	1.65
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	4	1.65
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	19	1.65
(1,456)	1:138:D:ILE:HD12	1:137:A:ARG:HB2	6	1.65
(1,455)	1:138:C:ILE:HD12	1:137:D:ARG:HB2	11	1.65
(1,81)	1:154:A:VAL:HG12	1:156:B:SER:HB2	13	1.65
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG11	13	1.65
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG11	13	1.65
(1,21)	1:159:A:PRO:HD2	1:158:D:GLY:HA3	18	1.65
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	2	1.64
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	11	1.64
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	2	1.64
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	7	1.64
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	11	1.64
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	2	1.64
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	7	1.64
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	2	1.64
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	7	1.64
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	14	1.64
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	5	1.64
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	5	1.64
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	17	1.64
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	7	1.64
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	7	1.64
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	7	1.64
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	7	1.64
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	4	1.64
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	19	1.64
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	6	1.64
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	17	1.64
(1,454)	1:138:B:ILE:HD12	1:137:C:ARG:HB2	20	1.64
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	20	1.64
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	20	1.64
(1,83)	1:154:C:VAL:HG12	1:156:D:SER:HB2	13	1.64
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	8	1.64
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	8	1.64
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG11	13	1.64
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	10	1.63
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	10	1.63
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	7	1.63
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	5	1.63
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	5	1.63
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	19	1.63
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	19	1.63
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	19	1.63
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	15	1.63
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	15	1.63
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	11	1.63
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	17	1.63
(1,456)	1:138:D:ILE:HD12	1:137:A:ARG:HB2	11	1.63
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	20	1.63
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	20	1.63
(1,82)	1:154:B:VAL:HG12	1:156:C:SER:HB2	13	1.63
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	8	1.63
(1,23)	1:159:C:PRO:HD2	1:158:B:GLY:HA3	18	1.63
(1,22)	1:159:B:PRO:HD2	1:158:A:GLY:HA3	18	1.63
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	10	1.62
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	10	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	4	1.62
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	7	1.62
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	10	1.62
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	11	1.62
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	7	1.62
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	7	1.62
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	10	1.62
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	11	1.62
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	7	1.62
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	10	1.62
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	11	1.62
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	8	1.62
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	17	1.62
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	19	1.62
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	18	1.62
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	15	1.62
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	18	1.62
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	15	1.62
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	18	1.62
(1,528)	1:132:D:THR:HG23	1:129:C:ASP:HA	12	1.62
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	19	1.62
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	17	1.62
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	7	1.62
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	1	1.62
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	8	1.62
(1,24)	1:159:D:PRO:HD2	1:158:C:GLY:HA3	18	1.62
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	4	1.61
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	4	1.61
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	4	1.61
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	3	1.61
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	8	1.61
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	15	1.61
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	2	1.61
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	10	1.61
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	11	1.61
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	18	1.61
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	3	1.61
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	15	1.61
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	18	1.61
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	15	1.61
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	8	1.61
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	8	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	8	1.61
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	18	1.61
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	15	1.61
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	15	1.61
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	15	1.61
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	15	1.61
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	18	1.61
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	17	1.61
(1,454)	1:138:B:ILE:HD12	1:137:C:ARG:HB2	11	1.61
(1,84)	1:154:D:VAL:HG12	1:156:A:SER:HB2	13	1.61
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	8	1.61
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	1	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	2	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	4	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	9	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	13	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	14	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	16	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	18	1.6
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	20	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	1	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	3	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	4	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	8	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	13	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	14	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	15	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	16	1.6
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	20	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	1	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	2	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	8	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	13	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	14	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	16	1.6
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	20	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	1	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	2	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	3	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	8	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	13	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	16	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	18	1.6
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	20	1.6
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	17	1.6
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	11	1.6
(1,526)	1:132:B:THR:HG23	1:129:A:ASP:HA	12	1.6
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	18	1.6
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	11	1.6
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	18	1.6
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	7	1.6
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	16	1.6
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	1	1.6
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	16	1.6
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	8	1.6
(1,3)	1:162:C:ALA:HB1	1:160:B:THR:HB	2	1.6
(1,1)	1:162:A:ALA:HB1	1:160:D:THR:HB	2	1.6
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	18	1.59
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	18	1.59
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	9	1.59
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	4	1.59
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	9	1.59
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	4	1.59
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	9	1.59
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	1	1.59
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	1	1.59
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	1	1.59
(2,728)	1:162:D:ALA:HB1	1:158:D:GLY:HA2	6	1.59
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	12	1.59
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	12	1.59
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	12	1.59
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	18	1.59
(1,455)	1:138:C:ILE:HD12	1:137:D:ARG:HB2	20	1.59
(1,415)	1:142:C:LEU:HD13	1:142:D:LEU:HD22	7	1.59
(1,413)	1:142:A:LEU:HD13	1:142:B:LEU:HD22	7	1.59
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	7	1.59
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	2	1.59
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	2	1.59
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	8	1.59
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	16	1.59
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	2	1.59
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	16	1.59
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	18	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	18	1.58
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	12	1.58
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	19	1.58
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	12	1.58
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	19	1.58
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	12	1.58
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	19	1.58
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	12	1.58
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	8	1.58
(2,1068)	1:133:D:ALA:HB2	1:134:D:ARG:HD2	6	1.58
(2,1067)	1:133:C:ALA:HB2	1:134:C:ARG:HD2	6	1.58
(2,1066)	1:133:B:ALA:HB2	1:134:B:ARG:HD2	6	1.58
(2,1065)	1:133:A:ALA:HB2	1:134:A:ARG:HD2	6	1.58
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	1	1.58
(2,727)	1:162:C:ALA:HB1	1:158:C:GLY:HA2	6	1.58
(2,726)	1:162:B:ALA:HB1	1:158:B:GLY:HA2	6	1.58
(2,725)	1:162:A:ALA:HB1	1:158:A:GLY:HA2	6	1.58
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	12	1.58
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	11	1.58
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	1	1.58
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	3	1.58
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	3	1.58
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	1	1.58
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	3	1.58
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	11	1.58
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD23	15	1.58
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	8	1.58
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	6	1.57
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	6	1.57
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	6	1.57
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	6	1.57
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	19	1.57
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	8	1.57
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	8	1.57
(2,1140)	1:131:D:ILE:HG22	1:135:D:LEU:HB3	14	1.57
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	8	1.57
(2,1139)	1:131:C:ILE:HG22	1:135:C:LEU:HB3	14	1.57
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	8	1.57
(2,1138)	1:131:B:ILE:HG22	1:135:B:LEU:HB3	14	1.57
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	8	1.57
(2,1137)	1:131:A:ILE:HG22	1:135:A:LEU:HB3	14	1.57
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	8	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:132:C:THR:HG23	1:129:B:ASP:HA	12	1.57
(1,525)	1:132:A:THR:HG23	1:129:D:ASP:HA	12	1.57
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	3	1.57
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	3	1.57
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	3	1.57
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	3	1.57
(1,414)	1:142:B:LEU:HD13	1:142:C:LEU:HD22	7	1.57
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	7	1.57
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	8	1.57
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	11	1.57
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	11	1.57
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	3	1.57
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD23	15	1.57
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD23	15	1.57
(1,200)	1:151:D:THR:HG23	1:154:A:VAL:HG22	3	1.57
(1,198)	1:151:B:THR:HG23	1:154:C:VAL:HG22	3	1.57
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	17	1.56
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	17	1.56
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	8	1.56
(2,1028)	1:127:D:THR:HG22	1:128:D:ASN:HB3	9	1.56
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	14	1.56
(2,1027)	1:127:C:THR:HG22	1:128:C:ASN:HB3	9	1.56
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	14	1.56
(2,1026)	1:127:B:THR:HG22	1:128:B:ASN:HB3	9	1.56
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	14	1.56
(2,1025)	1:127:A:THR:HG22	1:128:A:ASN:HB3	9	1.56
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	14	1.56
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	8	1.56
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	8	1.56
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	8	1.56
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	2	1.56
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	2	1.56
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	2	1.56
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	2	1.56
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	7	1.56
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	13	1.56
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	13	1.56
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	13	1.56
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	13	1.56
(1,416)	1:142:D:LEU:HD13	1:142:A:LEU:HD22	7	1.56
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	8	1.56
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	8	1.56
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD23	15	1.56
(1,199)	1:151:C:THR:HG23	1:154:D:VAL:HG22	3	1.56
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	17	1.55
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	17	1.55
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	11	1.55
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	7	1.55
(1,462)	1:138:B:ILE:HD12	1:134:C:ARG:HA	6	1.55
(1,461)	1:138:A:ILE:HD12	1:134:B:ARG:HA	6	1.55
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	14	1.55
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	2	1.55
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	6	1.55
(1,197)	1:151:A:THR:HG23	1:154:B:VAL:HG22	3	1.55
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	11	1.54
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	8	1.54
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	2	1.54
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	2	1.54
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	2	1.54
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	2	1.54
(2,728)	1:162:D:ALA:HB2	1:158:D:GLY:HA2	15	1.54
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	7	1.54
(1,464)	1:138:D:ILE:HD12	1:134:A:ARG:HA	6	1.54
(1,463)	1:138:C:ILE:HD12	1:134:D:ARG:HA	6	1.54
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	8	1.54
(1,455)	1:138:C:ILE:HD11	1:137:D:ARG:HB2	16	1.54
(1,454)	1:138:B:ILE:HD11	1:137:C:ARG:HB2	15	1.54
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	8	1.54
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	14	1.54
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	18	1.54
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	6	1.54
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	6	1.54
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	6	1.54
(1,14)	1:160:B:THR:HG21	1:160:A:THR:HB	17	1.54
(2,1140)	1:131:D:ILE:HG22	1:135:D:LEU:HB3	11	1.53
(2,1139)	1:131:C:ILE:HG22	1:135:C:LEU:HB3	11	1.53
(2,1138)	1:131:B:ILE:HG22	1:135:B:LEU:HB3	11	1.53
(2,1137)	1:131:A:ILE:HG22	1:135:A:LEU:HB3	11	1.53
(2,1028)	1:127:D:THR:HG22	1:128:D:ASN:HB3	4	1.53
(2,1027)	1:127:C:THR:HG22	1:128:C:ASN:HB3	4	1.53
(2,1026)	1:127:B:THR:HG22	1:128:B:ASN:HB3	4	1.53
(2,1025)	1:127:A:THR:HG22	1:128:A:ASN:HB3	4	1.53
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	19	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,726)	1:162:B:ALA:HB2	1:158:B:GLY:HA2	15	1.53
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	7	1.53
(1,464)	1:138:D:ILE:HD11	1:134:A:ARG:HA	15	1.53
(1,462)	1:138:B:ILE:HD11	1:134:C:ARG:HA	15	1.53
(1,456)	1:138:D:ILE:HD11	1:137:A:ARG:HB2	15	1.53
(1,456)	1:138:D:ILE:HD11	1:137:A:ARG:HB2	16	1.53
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	8	1.53
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	8	1.53
(1,453)	1:138:A:ILE:HD11	1:137:B:ARG:HB2	15	1.53
(1,453)	1:138:A:ILE:HD11	1:137:B:ARG:HB2	16	1.53
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	18	1.53
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	14	1.53
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD23	7	1.53
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	20	1.53
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD23	7	1.53
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	20	1.53
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	20	1.53
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	11	1.52
(2,1140)	1:131:D:ILE:HG23	1:135:D:LEU:HB3	9	1.52
(2,1139)	1:131:C:ILE:HG23	1:135:C:LEU:HB3	9	1.52
(2,1138)	1:131:B:ILE:HG23	1:135:B:LEU:HB3	9	1.52
(2,1137)	1:131:A:ILE:HG23	1:135:A:LEU:HB3	9	1.52
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB1	9	1.52
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB1	9	1.52
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	19	1.52
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	19	1.52
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	19	1.52
(2,727)	1:162:C:ALA:HB2	1:158:C:GLY:HA2	15	1.52
(2,725)	1:162:A:ALA:HB2	1:158:A:GLY:HA2	15	1.52
(1,455)	1:138:C:ILE:HD11	1:137:D:ARG:HB2	15	1.52
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	9	1.52
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	19	1.52
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	8	1.52
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	18	1.52
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	19	1.52
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	10	1.52
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD23	19	1.52
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	20	1.52
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	1	1.52
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	11	1.52
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD23	19	1.52
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD23	7	1.52
(1,13)	1:160:A:THR:HG21	1:160:D:THR:HB	17	1.52
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	3	1.51
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	11	1.51
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	11	1.51
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB1	9	1.51
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB1	9	1.51
(1,463)	1:138:C:ILE:HD12	1:134:D:ARG:HA	12	1.51
(1,461)	1:138:A:ILE:HD12	1:134:B:ARG:HA	12	1.51
(1,461)	1:138:A:ILE:HD11	1:134:B:ARG:HA	15	1.51
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	8	1.51
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	9	1.51
(1,454)	1:138:B:ILE:HD11	1:137:C:ARG:HB2	16	1.51
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	14	1.51
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD22	2	1.51
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD23	7	1.51
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	11	1.51
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	1	1.51
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD22	2	1.51
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	11	1.51
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	3	1.5
(2,1358)	1:132:B:THR:HG21	1:134:A:ARG:HD2	12	1.5
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	11	1.5
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	11	1.5
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	18	1.5
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	18	1.5
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	18	1.5
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	5	1.5
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	17	1.5
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	17	1.5
(1,463)	1:138:C:ILE:HD11	1:134:D:ARG:HA	15	1.5
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	9	1.5
(1,454)	1:138:B:ILE:HD11	1:137:C:ARG:HB2	2	1.5
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	8	1.5
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	9	1.5
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	18	1.5
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	9	1.5
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	9	1.5
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	10	1.5
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	10	1.5
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	1	1.5
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	11	1.5
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD22	2	1.5
(1,54)	1:155:B:ALA:HB1	1:152:A:LEU:HA	8	1.5
(1,54)	1:155:B:ALA:HB2	1:152:A:LEU:HA	13	1.5
(1,15)	1:160:C:THR:HG21	1:160:B:THR:HB	17	1.5
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	17	1.49
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	17	1.49
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	17	1.49
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	11	1.49
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	3	1.49
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	3	1.49
(2,1357)	1:132:A:THR:HG21	1:134:D:ARG:HD2	12	1.49
(2,1028)	1:127:D:THR:HG22	1:128:D:ASN:HB3	2	1.49
(2,1027)	1:127:C:THR:HG22	1:128:C:ASN:HB3	2	1.49
(2,1026)	1:127:B:THR:HG22	1:128:B:ASN:HB3	2	1.49
(2,1025)	1:127:A:THR:HG22	1:128:A:ASN:HB3	2	1.49
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	18	1.49
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	15	1.49
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	12	1.49
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	5	1.49
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	5	1.49
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	17	1.49
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	9	1.49
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	19	1.49
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	10	1.49
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	16	1.49
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD22	2	1.49
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD22	6	1.49
(1,56)	1:155:D:ALA:HB1	1:152:C:LEU:HA	8	1.49
(1,56)	1:155:D:ALA:HB2	1:152:C:LEU:HA	13	1.49
(1,55)	1:155:C:ALA:HB1	1:152:B:LEU:HA	8	1.49
(1,55)	1:155:C:ALA:HB2	1:152:B:LEU:HA	13	1.49
(1,16)	1:160:D:THR:HG21	1:160:C:THR:HB	17	1.49
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	17	1.48
(2,1360)	1:132:D:THR:HG21	1:134:C:ARG:HD2	12	1.48
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	16	1.48
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	12	1.48
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	16	1.48
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	16	1.48
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	15	1.48
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	15	1.48
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	15	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	17	1.48
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	17	1.48
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	17	1.48
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	5	1.48
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	12	1.48
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	12	1.48
(1,528)	1:132:D:THR:HG23	1:129:C:ASP:HA	9	1.48
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	17	1.48
(1,456)	1:138:D:ILE:HD11	1:137:A:ARG:HB2	2	1.48
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	9	1.48
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	19	1.48
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD22	6	1.48
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD22	6	1.48
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	16	1.48
(1,53)	1:155:A:ALA:HB2	1:152:D:LEU:HA	13	1.48
(2,1359)	1:132:C:THR:HG21	1:134:B:ARG:HD2	12	1.47
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	12	1.47
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	12	1.47
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	16	1.47
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	12	1.47
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	12	1.47
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	12	1.47
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	12	1.47
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	17	1.47
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	12	1.47
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	17	1.47
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	17	1.47
(1,464)	1:138:D:ILE:HD12	1:134:A:ARG:HA	12	1.47
(1,462)	1:138:B:ILE:HD12	1:134:C:ARG:HA	12	1.47
(1,453)	1:138:A:ILE:HD11	1:137:B:ARG:HB2	2	1.47
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	17	1.47
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	17	1.47
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	8	1.47
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD22	6	1.47
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	16	1.47
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD23	19	1.47
(1,53)	1:155:A:ALA:HB1	1:152:D:LEU:HA	8	1.47
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	7	1.46
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	7	1.46
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	7	1.46
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	7	1.46
(2,1028)	1:127:D:THR:HG22	1:128:D:ASN:HB3	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:127:C:THR:HG22	1:128:C:ASN:HB3	19	1.46
(2,1026)	1:127:B:THR:HG22	1:128:B:ASN:HB3	19	1.46
(2,1025)	1:127:A:THR:HG22	1:128:A:ASN:HB3	19	1.46
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	12	1.46
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	10	1.46
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	10	1.46
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	10	1.46
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	17	1.46
(1,526)	1:132:B:THR:HG23	1:129:A:ASP:HA	9	1.46
(1,455)	1:138:C:ILE:HD11	1:137:D:ARG:HB2	2	1.46
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	17	1.46
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	17	1.46
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD22	3	1.46
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD22	3	1.46
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD22	3	1.46
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD22	3	1.46
(2,1240)	1:138:D:ILE:HG21	1:141:D:LYS:HB3	3	1.45
(2,1239)	1:138:C:ILE:HG21	1:141:C:LYS:HB3	3	1.45
(2,1238)	1:138:B:ILE:HG21	1:141:B:LYS:HB3	3	1.45
(2,1237)	1:138:A:ILE:HG21	1:141:A:LYS:HB3	3	1.45
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	2	1.45
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	6	1.45
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	6	1.45
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	6	1.45
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	10	1.45
(1,525)	1:132:A:THR:HG23	1:129:D:ASP:HA	9	1.45
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD23	19	1.45
(1,262)	1:148:B:MET:HE3	1:152:C:LEU:HD21	8	1.45
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	10	1.45
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	6	1.44
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	6	1.44
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	3	1.44
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	3	1.44
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	3	1.44
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	18	1.44
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	18	1.44
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	18	1.44
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	2	1.44
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	2	1.44
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	2	1.44
(1,527)	1:132:C:THR:HG23	1:129:B:ASP:HA	9	1.44
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	17	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:155:C:ALA:HB1	1:152:D:LEU:HA	12	1.44
(1,54)	1:155:B:ALA:HB3	1:152:C:LEU:HA	4	1.44
(1,53)	1:155:A:ALA:HB1	1:152:B:LEU:HA	12	1.44
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	14	1.44
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	6	1.43
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	6	1.43
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	3	1.43
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB2	11	1.43
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	18	1.43
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	7	1.43
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	7	1.43
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	18	1.43
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	6	1.43
(1,456)	1:138:D:ILE:HD11	1:137:A:ARG:HB2	4	1.43
(1,264)	1:148:D:MET:HE3	1:152:A:LEU:HD21	8	1.43
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	10	1.43
(1,263)	1:148:C:MET:HE3	1:152:D:LEU:HD21	8	1.43
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	10	1.43
(1,261)	1:148:A:MET:HE3	1:152:B:LEU:HD21	8	1.43
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	10	1.43
(1,56)	1:155:D:ALA:HB3	1:152:A:LEU:HA	4	1.43
(1,54)	1:155:B:ALA:HB1	1:152:C:LEU:HA	12	1.43
(1,53)	1:155:A:ALA:HB3	1:152:B:LEU:HA	4	1.43
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	14	1.43
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	20	1.42
(2,916)	1:145:D:ILE:HD11	1:144:D:GLU:HB2	17	1.42
(2,914)	1:145:B:ILE:HD11	1:144:B:GLU:HB2	17	1.42
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB2	11	1.42
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	7	1.42
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	18	1.42
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	7	1.42
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	18	1.42
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	18	1.42
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	9	1.42
(1,454)	1:138:B:ILE:HD11	1:137:C:ARG:HB2	4	1.42
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	14	1.42
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	14	1.42
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	6	1.42
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD11	11	1.42
(1,264)	1:148:D:MET:HE3	1:152:A:LEU:HD22	14	1.42
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	10	1.42
(1,56)	1:155:D:ALA:HB1	1:152:A:LEU:HA	12	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	20	1.41
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	20	1.41
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	20	1.41
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	14	1.41
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	14	1.41
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	1	1.41
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	1	1.41
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	1	1.41
(2,915)	1:145:C:ILE:HD11	1:144:C:GLU:HB2	17	1.41
(2,913)	1:145:A:ILE:HD11	1:144:A:GLU:HB2	17	1.41
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB2	11	1.41
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB2	11	1.41
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	9	1.41
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	9	1.41
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	9	1.41
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	2	1.41
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	6	1.41
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD11	11	1.41
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	16	1.41
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	6	1.41
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	10	1.41
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD11	11	1.41
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	14	1.41
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	16	1.41
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	2	1.41
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	6	1.41
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	8	1.41
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	10	1.41
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD11	1	1.41
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	10	1.41
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	14	1.41
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	16	1.41
(1,262)	1:148:B:MET:HE3	1:152:C:LEU:HD22	14	1.41
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	11	1.41
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	14	1.41
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	14	1.41
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD11	14	1.4
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	7	1.4
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	14	1.4
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	14	1.4
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	1	1.4
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	12	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	12	1.4
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	12	1.4
(1,464)	1:138:D:ILE:HD11	1:134:A:ARG:HA	16	1.4
(1,463)	1:138:C:ILE:HD11	1:134:D:ARG:HA	16	1.4
(1,461)	1:138:A:ILE:HD11	1:134:B:ARG:HA	16	1.4
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD11	1	1.4
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	10	1.4
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	20	1.4
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD11	1	1.4
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	8	1.4
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD11	1	1.4
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD11	11	1.4
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	16	1.4
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	20	1.4
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	2	1.4
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	20	1.4
(1,264)	1:148:D:MET:HE3	1:152:A:LEU:HD23	5	1.4
(1,263)	1:148:C:MET:HE3	1:152:D:LEU:HD22	14	1.4
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	11	1.4
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	10	1.4
(1,55)	1:155:C:ALA:HB3	1:152:D:LEU:HA	4	1.4
(1,53)	1:155:A:ALA:HB3	1:152:D:LEU:HA	14	1.4
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	9	1.39
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD11	14	1.39
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	9	1.39
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD11	14	1.39
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	9	1.39
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD11	14	1.39
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	9	1.39
(2,2013)	1:151:A:THR:H	1:152:A:LEU:HB3	5	1.39
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	7	1.39
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	9	1.39
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	12	1.39
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	2	1.39
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	2	1.39
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	2	1.39
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	2	1.39
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	2	1.39
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	2	1.39
(1,454)	1:138:B:ILE:HD12	1:137:C:ARG:HB2	1	1.39
(1,453)	1:138:A:ILE:HD12	1:137:B:ARG:HB2	1	1.39
(1,453)	1:138:A:ILE:HD11	1:137:B:ARG:HB2	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	3	1.39
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	8	1.39
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	3	1.39
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	20	1.39
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	3	1.39
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	3	1.39
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	8	1.39
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	5	1.39
(1,262)	1:148:B:MET:HE3	1:152:C:LEU:HD23	5	1.39
(1,261)	1:148:A:MET:HE3	1:152:B:LEU:HD22	14	1.39
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	11	1.39
(1,110)	1:153:B:VAL:HG22	1:153:A:VAL:HA	5	1.39
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	6	1.38
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	6	1.38
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	6	1.38
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	6	1.38
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	7	1.38
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	9	1.38
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	7	1.38
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	11	1.38
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	2	1.38
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	2	1.38
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	8	1.38
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	19	1.38
(1,464)	1:138:D:ILE:HD12	1:134:A:ARG:HA	20	1.38
(1,462)	1:138:B:ILE:HD11	1:134:C:ARG:HA	16	1.38
(1,455)	1:138:C:ILE:HD11	1:137:D:ARG:HB2	4	1.38
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	2	1.38
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	15	1.38
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	15	1.38
(1,263)	1:148:C:MET:HE3	1:152:D:LEU:HD23	5	1.38
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD21	4	1.38
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	10	1.38
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	11	1.38
(1,112)	1:153:D:VAL:HG22	1:153:C:VAL:HA	5	1.38
(1,56)	1:155:D:ALA:HB3	1:152:C:LEU:HA	14	1.38
(1,55)	1:155:C:ALA:HB3	1:152:B:LEU:HA	14	1.38
(1,54)	1:155:B:ALA:HB3	1:152:A:LEU:HA	14	1.38
(1,5)	1:160:A:THR:HG23	1:159:B:PRO:HB2	10	1.38
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	13	1.37
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	13	1.37
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	7	1.37
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	6	1.37
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	11	1.37
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	6	1.37
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	11	1.37
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	6	1.37
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	9	1.37
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	20	1.37
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	9	1.37
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	20	1.37
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	19	1.37
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	19	1.37
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	19	1.37
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	19	1.37
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	7	1.37
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	7	1.37
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	7	1.37
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	9	1.37
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	8	1.37
(1,527)	1:132:C:THR:HG21	1:129:B:ASP:HA	10	1.37
(1,525)	1:132:A:THR:HG21	1:129:D:ASP:HA	10	1.37
(1,464)	1:138:D:ILE:HD11	1:134:A:ARG:HA	4	1.37
(1,462)	1:138:B:ILE:HD12	1:134:C:ARG:HA	20	1.37
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	19	1.37
(1,456)	1:138:D:ILE:HD12	1:137:A:ARG:HB2	1	1.37
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	3	1.37
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	18	1.37
(1,455)	1:138:C:ILE:HD12	1:137:D:ARG:HB2	1	1.37
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	3	1.37
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	3	1.37
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	3	1.37
(1,415)	1:142:C:LEU:HD12	1:142:B:LEU:HD21	8	1.37
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	15	1.37
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD11	18	1.37
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	15	1.37
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	5	1.37
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	5	1.37
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD21	4	1.37
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD21	4	1.37
(1,261)	1:148:A:MET:HE3	1:152:B:LEU:HD23	5	1.37
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	8	1.37
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	10	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	6	1.37
(1,109)	1:153:A:VAL:HG22	1:153:D:VAL:HA	5	1.37
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	20	1.36
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	20	1.36
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	8	1.36
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	11	1.36
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	6	1.36
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	11	1.36
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	2	1.36
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	8	1.36
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	8	1.36
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	2	1.36
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	8	1.36
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	19	1.36
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	19	1.36
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	9	1.36
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	9	1.36
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	9	1.36
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	11	1.36
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	11	1.36
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	8	1.36
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	19	1.36
(1,462)	1:138:B:ILE:HD11	1:134:C:ARG:HA	4	1.36
(1,461)	1:138:A:ILE:HD12	1:134:B:ARG:HA	20	1.36
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	18	1.36
(1,413)	1:142:A:LEU:HD12	1:142:D:LEU:HD21	8	1.36
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD11	18	1.36
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD11	18	1.36
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD11	18	1.36
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	5	1.36
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	6	1.36
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	11	1.36
(1,111)	1:153:C:VAL:HG22	1:153:B:VAL:HA	5	1.36
(1,8)	1:160:D:THR:HG23	1:159:A:PRO:HB2	10	1.36
(1,7)	1:160:C:THR:HG23	1:159:D:PRO:HB2	10	1.36
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	13	1.35
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	18	1.35
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	2	1.35
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	8	1.35
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	2	1.35
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	6	1.35
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	14	1.35
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	14	1.35
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	14	1.35
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	14	1.35
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	19	1.35
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	19	1.35
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	14	1.35
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	14	1.35
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	14	1.35
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	14	1.35
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	16	1.35
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	16	1.35
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	16	1.35
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	1	1.35
(1,528)	1:132:D:THR:HG21	1:129:C:ASP:HA	10	1.35
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	13	1.35
(1,526)	1:132:B:THR:HG21	1:129:A:ASP:HA	10	1.35
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	13	1.35
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	9	1.35
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD21	9	1.35
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	11	1.35
(1,6)	1:160:B:THR:HG23	1:159:C:PRO:HB2	10	1.35
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	8	1.34
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	8	1.34
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	8	1.34
(2,2016)	1:151:D:THR:H	1:152:D:LEU:HB3	5	1.34
(2,2015)	1:151:C:THR:H	1:152:C:LEU:HB3	5	1.34
(2,2014)	1:151:B:THR:H	1:152:B:LEU:HB3	5	1.34
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	8	1.34
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	14	1.34
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	18	1.34
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	14	1.34
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	18	1.34
(2,1064)	1:133:D:ALA:HB3	1:129:D:ASP:HB2	16	1.34
(2,1063)	1:133:C:ALA:HB3	1:129:C:ASP:HB2	16	1.34
(2,1062)	1:133:B:ALA:HB3	1:129:B:ASP:HB2	16	1.34
(2,1061)	1:133:A:ALA:HB3	1:129:A:ASP:HB2	16	1.34
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	5	1.34
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	5	1.34
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	5	1.34
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	6	1.34
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	16	1.34
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	1	1.34
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	8	1.34
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	13	1.34
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	19	1.34
(1,461)	1:138:A:ILE:HD11	1:134:B:ARG:HA	4	1.34
(1,416)	1:142:D:LEU:HD12	1:142:C:LEU:HD21	8	1.34
(1,414)	1:142:B:LEU:HD12	1:142:A:LEU:HD21	8	1.34
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	19	1.34
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	7	1.34
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD11	12	1.34
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	19	1.34
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	19	1.34
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	19	1.34
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	9	1.34
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD21	4	1.34
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD21	9	1.34
(1,109)	1:153:A:VAL:HG23	1:153:B:VAL:HA	2	1.34
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	6	1.34
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	11	1.34
(1,56)	1:155:D:ALA:HB3	1:152:A:LEU:HA	17	1.34
(1,53)	1:155:A:ALA:HB3	1:152:B:LEU:HA	17	1.34
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	8	1.33
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	14	1.33
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	14	1.33
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	8	1.33
(2,1032)	1:157:D:ALA:HB1	1:158:D:GLY:HA2	12	1.33
(2,1032)	1:157:D:ALA:HB1	1:158:D:GLY:HA2	18	1.33
(2,1031)	1:157:C:ALA:HB1	1:158:C:GLY:HA2	12	1.33
(2,1031)	1:157:C:ALA:HB1	1:158:C:GLY:HA2	18	1.33
(2,1030)	1:157:B:ALA:HB1	1:158:B:GLY:HA2	12	1.33
(2,1030)	1:157:B:ALA:HB1	1:158:B:GLY:HA2	18	1.33
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	5	1.33
(2,1029)	1:157:A:ALA:HB1	1:158:A:GLY:HA2	12	1.33
(2,1029)	1:157:A:ALA:HB1	1:158:A:GLY:HA2	18	1.33
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	6	1.33
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	6	1.33
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	6	1.33
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	6	1.33
(2,768)	1:145:D:ILE:HA	1:144:D:GLU:HB2	17	1.33
(2,767)	1:145:C:ILE:HA	1:144:C:GLU:HB2	17	1.33
(2,766)	1:145:B:ILE:HA	1:144:B:GLU:HB2	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,765)	1:145:A:ILE:HA	1:144:A:GLU:HB2	17	1.33
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	11	1.33
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	1	1.33
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	13	1.33
(1,463)	1:138:C:ILE:HD11	1:134:D:ARG:HA	4	1.33
(1,463)	1:138:C:ILE:HD12	1:134:D:ARG:HA	20	1.33
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	18	1.33
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	18	1.33
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD11	9	1.33
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	7	1.33
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD11	9	1.33
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD11	12	1.33
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	7	1.33
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD11	12	1.33
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	9	1.33
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	9	1.33
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD21	9	1.33
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD21	9	1.33
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	8	1.33
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	6	1.33
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	16	1.33
(1,55)	1:155:C:ALA:HB3	1:152:D:LEU:HA	17	1.33
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	9	1.33
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	8	1.32
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	14	1.32
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	14	1.32
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	14	1.32
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	14	1.32
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	18	1.32
(2,1032)	1:157:D:ALA:HB1	1:158:D:GLY:HA2	1	1.32
(2,1031)	1:157:C:ALA:HB1	1:158:C:GLY:HA2	1	1.32
(2,1030)	1:157:B:ALA:HB1	1:158:B:GLY:HA2	1	1.32
(2,1029)	1:157:A:ALA:HB1	1:158:A:GLY:HA2	1	1.32
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	1	1.32
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	1	1.32
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	1	1.32
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	1	1.32
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	7	1.32
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	15	1.32
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	7	1.32
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	15	1.32
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	6	1.32
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	15	1.32
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	1	1.32
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	7	1.32
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD11	9	1.32
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD13	13	1.32
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD13	13	1.32
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD13	13	1.32
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	20	1.32
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	20	1.32
(1,263)	1:148:C:MET:HE2	1:152:D:LEU:HD22	18	1.32
(1,261)	1:148:A:MET:HE2	1:152:B:LEU:HD22	18	1.32
(1,120)	1:154:D:VAL:HG21	1:148:C:MET:HG3	18	1.32
(1,118)	1:154:B:VAL:HG21	1:148:A:MET:HG3	18	1.32
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	11	1.32
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	15	1.32
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	15	1.32
(1,110)	1:153:B:VAL:HG21	1:153:C:VAL:HA	20	1.32
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	9	1.32
(1,54)	1:155:B:ALA:HB3	1:152:C:LEU:HA	17	1.32
(1,9)	1:160:A:THR:HG23	1:160:B:THR:HA	12	1.32
(2,1360)	1:132:D:THR:HG21	1:134:C:ARG:HD2	14	1.31
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD13	12	1.31
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	7	1.31
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	14	1.31
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	14	1.31
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	14	1.31
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	3	1.31
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	15	1.31
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	20	1.31
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	3	1.31
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	15	1.31
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	20	1.31
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	3	1.31
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	15	1.31
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	20	1.31
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	3	1.31
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	15	1.31
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	20	1.31
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	16	1.31
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	16	1.31
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	16	1.31
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	6	1.31
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	6	1.31
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	6	1.31
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	15	1.31
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	7	1.31
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	3	1.31
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	3	1.31
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	3	1.31
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	3	1.31
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	4	1.31
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	4	1.31
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	4	1.31
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	4	1.31
(1,523)	1:132:C:THR:HG23	1:132:B:THR:HA	15	1.31
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	7	1.31
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD11	12	1.31
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD13	13	1.31
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	4	1.31
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD11	9	1.31
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	20	1.31
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	20	1.31
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	15	1.31
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	16	1.31
(1,112)	1:153:D:VAL:HG21	1:153:A:VAL:HA	20	1.31
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	16	1.31
(1,111)	1:153:C:VAL:HG21	1:153:D:VAL:HA	20	1.31
(1,110)	1:153:B:VAL:HG21	1:153:C:VAL:HA	8	1.31
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	15	1.31
(1,109)	1:153:A:VAL:HG21	1:153:B:VAL:HA	20	1.31
(1,11)	1:160:C:THR:HG23	1:160:D:THR:HA	12	1.31
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	2	1.3
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	2	1.3
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	2	1.3
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD13	12	1.3
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	19	1.3
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	7	1.3
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD13	12	1.3
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	19	1.3
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	7	1.3
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	2	1.3
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	19	1.3
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	2	1.3
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	9	1.3
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	19	1.3
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	2	1.3
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	9	1.3
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	19	1.3
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	2	1.3
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	9	1.3
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	14	1.3
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	19	1.3
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	7	1.3
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	16	1.3
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	7	1.3
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	16	1.3
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	7	1.3
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	16	1.3
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	7	1.3
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	16	1.3
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	2	1.3
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	8	1.3
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	11	1.3
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	16	1.3
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	8	1.3
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	11	1.3
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	16	1.3
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	2	1.3
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	8	1.3
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	11	1.3
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	16	1.3
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	2	1.3
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	8	1.3
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	10	1.3
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	11	1.3
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	16	1.3
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	1	1.3
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	1	1.3
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	1	1.3
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	1	1.3
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	8	1.3
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	8	1.3
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:132:A:THR:HG23	1:132:D:THR:HA	15	1.3
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	18	1.3
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	5	1.3
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	7	1.3
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	4	1.3
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	4	1.3
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	4	1.3
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	18	1.3
(1,264)	1:148:D:MET:HE2	1:152:A:LEU:HD22	18	1.3
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG23	19	1.3
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG23	19	1.3
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	8	1.3
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	7	1.3
(1,112)	1:153:D:VAL:HG21	1:153:A:VAL:HA	8	1.3
(1,111)	1:153:C:VAL:HG23	1:153:D:VAL:HA	2	1.3
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	7	1.3
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	7	1.3
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	16	1.3
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	7	1.3
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	9	1.3
(1,10)	1:160:B:THR:HG23	1:160:C:THR:HA	12	1.3
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	2	1.29
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	7	1.29
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	10	1.29
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD13	12	1.29
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	19	1.29
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	10	1.29
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	2	1.29
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	10	1.29
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	10	1.29
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	20	1.29
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	20	1.29
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	20	1.29
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	20	1.29
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	8	1.29
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	8	1.29
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	1	1.29
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	1	1.29
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	1	1.29
(1,522)	1:132:B:THR:HG23	1:132:A:THR:HA	15	1.29
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	5	1.29
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	5	1.29
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	18	1.29
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	5	1.29
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	7	1.29
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	7	1.29
(1,316)	1:146:D:LEU:HB3	1:149:A:LEU:HD12	5	1.29
(1,313)	1:146:A:LEU:HB3	1:149:B:LEU:HD12	5	1.29
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	14	1.29
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	18	1.29
(1,262)	1:148:B:MET:HE2	1:152:C:LEU:HD22	18	1.29
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	8	1.29
(1,117)	1:154:A:VAL:HG21	1:148:D:MET:HG3	18	1.29
(1,112)	1:153:D:VAL:HG21	1:153:A:VAL:HA	4	1.29
(1,112)	1:153:D:VAL:HG21	1:153:A:VAL:HA	10	1.29
(1,111)	1:153:C:VAL:HG21	1:153:D:VAL:HA	4	1.29
(1,111)	1:153:C:VAL:HG21	1:153:D:VAL:HA	8	1.29
(1,110)	1:153:B:VAL:HG23	1:153:C:VAL:HA	2	1.29
(1,110)	1:153:B:VAL:HG21	1:153:C:VAL:HA	4	1.29
(1,110)	1:153:B:VAL:HG21	1:153:C:VAL:HA	10	1.29
(1,109)	1:153:A:VAL:HG21	1:153:B:VAL:HA	4	1.29
(1,109)	1:153:A:VAL:HG21	1:153:B:VAL:HA	8	1.29
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	9	1.29
(1,11)	1:160:C:THR:HG22	1:160:B:THR:HA	20	1.29
(1,2)	1:162:B:ALA:HB3	1:160:C:THR:HB	20	1.29
(2,1368)	1:138:D:ILE:HG22	1:139:D:ASP:HB3	8	1.28
(2,1365)	1:138:A:ILE:HG22	1:139:A:ASP:HB3	8	1.28
(2,1358)	1:132:B:THR:HG21	1:134:A:ARG:HD2	14	1.28
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	17	1.28
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	17	1.28
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	19	1.28
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	17	1.28
(2,1239)	1:138:C:ILE:HG21	1:141:C:LYS:HB3	18	1.28
(2,1238)	1:138:B:ILE:HG21	1:141:B:LYS:HB3	18	1.28
(2,1237)	1:138:A:ILE:HG21	1:141:A:LYS:HB3	18	1.28
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	9	1.28
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	9	1.28
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	9	1.28
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	9	1.28
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	18	1.28
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	18	1.28
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	18	1.28
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	18	1.28
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	17	1.28
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	19	1.28
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	19	1.28
(1,524)	1:132:D:THR:HG23	1:132:C:THR:HA	15	1.28
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	18	1.28
(1,315)	1:146:C:LEU:HB3	1:149:D:LEU:HD12	5	1.28
(1,314)	1:146:B:LEU:HB3	1:149:C:LEU:HD12	5	1.28
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	12	1.28
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	14	1.28
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	13	1.28
(1,119)	1:154:C:VAL:HG21	1:148:B:MET:HG3	18	1.28
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	14	1.28
(1,112)	1:153:D:VAL:HG23	1:153:A:VAL:HA	2	1.28
(1,111)	1:153:C:VAL:HG21	1:153:D:VAL:HA	10	1.28
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	12	1.28
(1,109)	1:153:A:VAL:HG21	1:153:B:VAL:HA	10	1.28
(1,56)	1:155:D:ALA:HB3	1:152:C:LEU:HA	10	1.28
(1,55)	1:155:C:ALA:HB1	1:152:B:LEU:HA	11	1.28
(1,54)	1:155:B:ALA:HB3	1:152:A:LEU:HA	10	1.28
(1,53)	1:155:A:ALA:HB1	1:152:D:LEU:HA	11	1.28
(1,12)	1:160:D:THR:HG23	1:160:A:THR:HA	12	1.28
(1,10)	1:160:B:THR:HG22	1:160:A:THR:HA	20	1.28
(1,9)	1:160:A:THR:HG22	1:160:D:THR:HA	20	1.28
(1,4)	1:162:D:ALA:HB3	1:160:A:THR:HB	20	1.28
(1,3)	1:162:C:ALA:HB3	1:160:D:THR:HB	20	1.28
(1,1)	1:162:A:ALA:HB3	1:160:B:THR:HB	20	1.28
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	17	1.27
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	18	1.27
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	18	1.27
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	18	1.27
(2,1367)	1:138:C:ILE:HG22	1:139:C:ASP:HB3	8	1.27
(2,1366)	1:138:B:ILE:HG22	1:139:B:ASP:HB3	8	1.27
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD13	5	1.27
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	17	1.27
(2,1240)	1:138:D:ILE:HG21	1:141:D:LYS:HB3	18	1.27
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	4	1.27
(2,1032)	1:157:D:ALA:HB1	1:158:D:GLY:HA2	15	1.27
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	4	1.27
(2,1031)	1:157:C:ALA:HB1	1:158:C:GLY:HA2	15	1.27
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	4	1.27
(2,1030)	1:157:B:ALA:HB1	1:158:B:GLY:HA2	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	17	1.27
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	18	1.27
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	17	1.27
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	17	1.27
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	18	1.27
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	18	1.27
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	19	1.27
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	19	1.27
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	5	1.27
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	10	1.27
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	18	1.27
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	10	1.27
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	10	1.27
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	14	1.27
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD23	17	1.27
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD23	17	1.27
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG23	19	1.27
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	3	1.27
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	12	1.27
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	3	1.27
(1,54)	1:155:B:ALA:HB1	1:152:A:LEU:HA	11	1.27
(1,12)	1:160:D:THR:HG22	1:160:C:THR:HA	20	1.27
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	17	1.26
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	17	1.26
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	17	1.26
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	18	1.26
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	7	1.26
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	7	1.26
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	7	1.26
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	16	1.26
(2,1357)	1:132:A:THR:HG21	1:134:D:ARG:HD2	14	1.26
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD13	5	1.26
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	10	1.26
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD13	5	1.26
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	10	1.26
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	4	1.26
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	4	1.26
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	4	1.26
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	18	1.26
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	20	1.26
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	18	1.26
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	20	1.26
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	20	1.26
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	4	1.26
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	4	1.26
(2,1029)	1:157:A:ALA:HB1	1:158:A:GLY:HA2	15	1.26
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	12	1.26
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	17	1.26
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	12	1.26
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	17	1.26
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	12	1.26
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	17	1.26
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	12	1.26
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	17	1.26
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	17	1.26
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	17	1.26
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	17	1.26
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	17	1.26
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	19	1.26
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	19	1.26
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	9	1.26
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	9	1.26
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	11	1.26
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	9	1.26
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	11	1.26
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	9	1.26
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	11	1.26
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	5	1.26
(1,414)	1:142:B:LEU:HD13	1:142:C:LEU:HD22	5	1.26
(1,413)	1:142:A:LEU:HD13	1:142:B:LEU:HD22	5	1.26
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	12	1.26
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	12	1.26
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	18	1.26
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	14	1.26
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD23	17	1.26
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG23	7	1.26
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	13	1.26
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	13	1.26
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	1	1.26
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	3	1.26
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	3	1.26
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	1	1.26
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:155:D:ALA:HB1	1:152:C:LEU:HA	11	1.26
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	15	1.25
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	7	1.25
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	16	1.25
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	16	1.25
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	16	1.25
(2,1359)	1:132:C:THR:HG21	1:134:B:ARG:HD2	14	1.25
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD13	5	1.25
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	10	1.25
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	11	1.25
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	15	1.25
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	11	1.25
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	15	1.25
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	11	1.25
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	15	1.25
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	18	1.25
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	11	1.25
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	15	1.25
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	18	1.25
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	17	1.25
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	17	1.25
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	17	1.25
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	17	1.25
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	13	1.25
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	19	1.25
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	13	1.25
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	19	1.25
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	13	1.25
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	19	1.25
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	13	1.25
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	19	1.25
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	15	1.25
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	15	1.25
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	19	1.25
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	19	1.25
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	18	1.25
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	18	1.25
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	18	1.25
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	11	1.25
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	6	1.25
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	5	1.25
(1,461)	1:138:A:ILE:HD12	1:134:B:ARG:HA	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:142:D:LEU:HD13	1:142:A:LEU:HD22	5	1.25
(1,416)	1:142:D:LEU:HD13	1:142:A:LEU:HD21	10	1.25
(1,414)	1:142:B:LEU:HD11	1:142:A:LEU:HD21	11	1.25
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	12	1.25
(1,271)	1:148:C:MET:HE2	1:148:D:MET:HG2	13	1.25
(1,270)	1:148:B:MET:HE2	1:148:C:MET:HG2	13	1.25
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD23	17	1.25
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG23	7	1.25
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG23	19	1.25
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG23	7	1.25
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	17	1.25
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	14	1.25
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	14	1.25
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	13	1.25
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	12	1.25
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	1	1.25
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	1	1.25
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	15	1.25
(1,55)	1:155:C:ALA:HB3	1:152:B:LEU:HA	10	1.25
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	15	1.25
(1,53)	1:155:A:ALA:HB3	1:152:D:LEU:HA	10	1.25
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	15	1.25
(1,32)	1:159:D:PRO:HD3	1:158:C:GLY:HA3	8	1.25
(1,8)	1:160:D:THR:HG22	1:159:C:PRO:HB2	14	1.25
(1,5)	1:160:A:THR:HG22	1:159:D:PRO:HB2	14	1.25
(1,1)	1:162:A:ALA:HB2	1:160:D:THR:HB	11	1.25
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	15	1.24
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	15	1.24
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	15	1.24
(2,2335)	1:140:C:GLU:H	1:141:C:LYS:HG2	3	1.24
(2,2334)	1:140:B:GLU:H	1:141:B:LYS:HG2	3	1.24
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	13	1.24
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	14	1.24
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	14	1.24
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	14	1.24
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	14	1.24
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	7	1.24
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	7	1.24
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	7	1.24
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	15	1.24
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	15	1.24
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	19	1.24
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	19	1.24
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	19	1.24
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	13	1.24
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	18	1.24
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	13	1.24
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	13	1.24
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	13	1.24
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	6	1.24
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	5	1.24
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	5	1.24
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	5	1.24
(1,464)	1:138:D:ILE:HD12	1:134:A:ARG:HA	1	1.24
(1,415)	1:142:C:LEU:HD13	1:142:D:LEU:HD22	5	1.24
(1,415)	1:142:C:LEU:HD13	1:142:D:LEU:HD21	10	1.24
(1,414)	1:142:B:LEU:HD13	1:142:C:LEU:HD21	10	1.24
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	18	1.24
(1,269)	1:148:A:MET:HE2	1:148:B:MET:HG2	13	1.24
(1,263)	1:148:C:MET:HE1	1:152:D:LEU:HD22	13	1.24
(1,262)	1:148:B:MET:HE1	1:152:C:LEU:HD22	13	1.24
(1,261)	1:148:A:MET:HE1	1:152:B:LEU:HD22	13	1.24
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG23	7	1.24
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	14	1.24
(1,111)	1:153:C:VAL:HG23	1:153:B:VAL:HA	9	1.24
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	5	1.24
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	15	1.24
(1,31)	1:159:C:PRO:HD3	1:158:B:GLY:HA3	8	1.24
(1,30)	1:159:B:PRO:HD3	1:158:A:GLY:HA3	8	1.24
(1,29)	1:159:A:PRO:HD3	1:158:D:GLY:HA3	8	1.24
(1,6)	1:160:B:THR:HG22	1:159:A:PRO:HB2	14	1.24
(1,3)	1:162:C:ALA:HB2	1:160:B:THR:HB	11	1.24
(2,2336)	1:140:D:GLU:H	1:141:D:LYS:HG2	3	1.23
(2,2333)	1:140:A:GLU:H	1:141:A:LYS:HG2	3	1.23
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	19	1.23
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	19	1.23
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	15	1.23
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	15	1.23
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	15	1.23
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	15	1.23
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	3	1.23
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	8	1.23
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	8	1.23
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	3	1.23
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	8	1.23
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	3	1.23
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	8	1.23
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	13	1.23
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	13	1.23
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	15	1.23
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	7	1.23
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	6	1.23
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	6	1.23
(1,624)	1:127:D:THR:HG21	1:127:C:THR:HA	8	1.23
(1,462)	1:138:B:ILE:HD12	1:134:C:ARG:HA	1	1.23
(1,455)	1:138:C:ILE:HD12	1:137:D:ARG:HB2	12	1.23
(1,416)	1:142:D:LEU:HD13	1:142:A:LEU:HD21	19	1.23
(1,413)	1:142:A:LEU:HD13	1:142:B:LEU:HD21	10	1.23
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	19	1.23
(1,272)	1:148:D:MET:HE2	1:148:A:MET:HG2	13	1.23
(1,264)	1:148:D:MET:HE1	1:152:A:LEU:HD22	13	1.23
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	17	1.23
(1,120)	1:154:D:VAL:HG21	1:148:C:MET:HG3	3	1.23
(1,119)	1:154:C:VAL:HG21	1:148:B:MET:HG3	3	1.23
(1,117)	1:154:A:VAL:HG21	1:148:D:MET:HG3	3	1.23
(1,112)	1:153:D:VAL:HG23	1:153:C:VAL:HA	9	1.23
(1,110)	1:153:B:VAL:HG23	1:153:A:VAL:HA	9	1.23
(1,110)	1:153:B:VAL:HG23	1:153:A:VAL:HA	14	1.23
(1,109)	1:153:A:VAL:HG23	1:153:D:VAL:HA	9	1.23
(1,109)	1:153:A:VAL:HG23	1:153:D:VAL:HA	14	1.23
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	5	1.23
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	5	1.23
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	5	1.23
(1,7)	1:160:C:THR:HG22	1:159:B:PRO:HB2	14	1.23
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	7	1.22
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	7	1.22
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	7	1.22
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	19	1.22
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	19	1.22
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	7	1.22
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	16	1.22
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	7	1.22
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	16	1.22
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	16	1.22
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	7	1.22
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	16	1.22
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	15	1.22
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	13	1.22
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	15	1.22
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	15	1.22
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	4	1.22
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	5	1.22
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	4	1.22
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	5	1.22
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	4	1.22
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	4	1.22
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	5	1.22
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	16	1.22
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	16	1.22
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	16	1.22
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	16	1.22
(1,624)	1:127:D:THR:HG23	1:127:C:THR:HA	5	1.22
(1,622)	1:127:B:THR:HG21	1:127:A:THR:HA	8	1.22
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	5	1.22
(1,463)	1:138:C:ILE:HD12	1:134:D:ARG:HA	1	1.22
(1,416)	1:142:D:LEU:HD11	1:142:C:LEU:HD21	11	1.22
(1,415)	1:142:C:LEU:HD13	1:142:D:LEU:HD21	19	1.22
(1,414)	1:142:B:LEU:HD13	1:142:C:LEU:HD21	19	1.22
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	7	1.22
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	9	1.22
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	13	1.22
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	15	1.22
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	7	1.22
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	15	1.22
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	19	1.22
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	20	1.22
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	17	1.22
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	17	1.22
(1,118)	1:154:B:VAL:HG21	1:148:A:MET:HG3	3	1.22
(1,112)	1:153:D:VAL:HG23	1:153:C:VAL:HA	14	1.22
(1,111)	1:153:C:VAL:HG23	1:153:B:VAL:HA	14	1.22
(1,109)	1:153:A:VAL:HG22	1:153:B:VAL:HA	18	1.22
(1,2)	1:162:B:ALA:HB2	1:160:A:THR:HB	11	1.22
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	19	1.21
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	7	1.21
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	6	1.21
(2,1366)	1:138:B:ILE:HG22	1:139:B:ASP:HB3	5	1.21
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	6	1.21
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	12	1.21
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	13	1.21
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	6	1.21
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	12	1.21
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	13	1.21
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	6	1.21
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	12	1.21
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	13	1.21
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	6	1.21
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	12	1.21
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	13	1.21
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	7	1.21
(2,872)	1:149:D:LEU:HB3	1:146:D:LEU:HA	9	1.21
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	7	1.21
(2,871)	1:149:C:LEU:HB3	1:146:C:LEU:HA	9	1.21
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	5	1.21
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	7	1.21
(2,870)	1:149:B:LEU:HB3	1:146:B:LEU:HA	9	1.21
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	7	1.21
(2,869)	1:149:A:LEU:HB3	1:146:A:LEU:HA	9	1.21
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	7	1.21
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	7	1.21
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	7	1.21
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	7	1.21
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	17	1.21
(1,623)	1:127:C:THR:HG21	1:127:B:THR:HA	8	1.21
(1,621)	1:127:A:THR:HG21	1:127:D:THR:HA	8	1.21
(1,453)	1:138:A:ILE:HD12	1:137:B:ARG:HB2	12	1.21
(1,413)	1:142:A:LEU:HD13	1:142:B:LEU:HD21	19	1.21
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	15	1.21
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	19	1.21
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	7	1.21
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	9	1.21
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	13	1.21
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	20	1.21
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	6	1.21
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	9	1.21
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	11	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	13	1.21
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	18	1.21
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	19	1.21
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	20	1.21
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	10	1.21
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	15	1.21
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG21	12	1.21
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG21	12	1.21
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	20	1.21
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	20	1.21
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	19	1.21
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	20	1.21
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	4	1.21
(1,112)	1:153:D:VAL:HG23	1:153:C:VAL:HA	13	1.21
(1,112)	1:153:D:VAL:HG22	1:153:A:VAL:HA	18	1.21
(1,111)	1:153:C:VAL:HG23	1:153:B:VAL:HA	13	1.21
(1,111)	1:153:C:VAL:HG22	1:153:D:VAL:HA	18	1.21
(1,109)	1:153:A:VAL:HG23	1:153:D:VAL:HA	13	1.21
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	19	1.2
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	19	1.2
(2,1368)	1:138:D:ILE:HG22	1:139:D:ASP:HB3	5	1.2
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	6	1.2
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	2	1.2
(2,1367)	1:138:C:ILE:HG22	1:139:C:ASP:HB3	5	1.2
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	6	1.2
(2,1365)	1:138:A:ILE:HG22	1:139:A:ASP:HB3	5	1.2
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	6	1.2
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	10	1.2
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	10	1.2
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	10	1.2
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	10	1.2
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	4	1.2
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	17	1.2
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	4	1.2
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	17	1.2
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	4	1.2
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	17	1.2
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	17	1.2
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	2	1.2
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	10	1.2
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	13	1.2
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	13	1.2
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	13	1.2
(1,622)	1:127:B:THR:HG23	1:127:A:THR:HA	5	1.2
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	5	1.2
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	19	1.2
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	5	1.2
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	3	1.2
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	20	1.2
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	2	1.2
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	3	1.2
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	6	1.2
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	8	1.2
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	10	1.2
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	5	1.2
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	3	1.2
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	7	1.2
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	9	1.2
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	11	1.2
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	13	1.2
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG21	12	1.2
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG21	12	1.2
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	20	1.2
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	12	1.2
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	19	1.2
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	8	1.2
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	4	1.2
(1,110)	1:153:B:VAL:HG23	1:153:A:VAL:HA	13	1.2
(1,110)	1:153:B:VAL:HG22	1:153:C:VAL:HA	18	1.2
(1,53)	1:155:A:ALA:HB1	1:152:B:LEU:HA	1	1.2
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	2	1.19
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	10	1.19
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	1	1.19
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	2	1.19
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	2	1.19
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	10	1.19
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	4	1.19
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	2	1.19
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	10	1.19
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	2	1.19
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	20	1.19
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	20	1.19
(1,623)	1:127:C:THR:HG23	1:127:B:THR:HA	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	17	1.19
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	19	1.19
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	5	1.19
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	19	1.19
(1,413)	1:142:A:LEU:HD11	1:142:D:LEU:HD21	11	1.19
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	6	1.19
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	10	1.19
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	18	1.19
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	18	1.19
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	1	1.19
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	2	1.19
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	3	1.19
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	10	1.19
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	16	1.19
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	5	1.19
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	6	1.19
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	8	1.19
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	16	1.19
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	18	1.19
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	8	1.19
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	8	1.19
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	8	1.19
(1,56)	1:155:D:ALA:HB1	1:152:A:LEU:HA	1	1.19
(1,54)	1:155:B:ALA:HB3	1:152:C:LEU:HA	7	1.19
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	19	1.18
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	1	1.18
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	10	1.18
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	1	1.18
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	20	1.18
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	10	1.18
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	20	1.18
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	1	1.18
(2,1362)	1:131:B:ILE:HG13	1:132:C:THR:HG22	8	1.18
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	10	1.18
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	10	1.18
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	2	1.18
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB2	2	1.18
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	2	1.18
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	2	1.18
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	2	1.18
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	17	1.18
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	7	1.18
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	17	1.18
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	5	1.18
(1,456)	1:138:D:ILE:HD12	1:137:A:ARG:HB2	12	1.18
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	5	1.18
(1,416)	1:142:D:LEU:HD13	1:142:C:LEU:HD22	9	1.18
(1,415)	1:142:C:LEU:HD12	1:142:D:LEU:HD22	13	1.18
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	8	1.18
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	11	1.18
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	1	1.18
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	5	1.18
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	16	1.18
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	2	1.18
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	14	1.18
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	6	1.18
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	7	1.18
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	19	1.18
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	6	1.18
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	7	1.18
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	12	1.18
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	19	1.18
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	2	1.18
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	12	1.18
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	4	1.18
(1,55)	1:155:C:ALA:HB1	1:152:D:LEU:HA	1	1.18
(1,54)	1:155:B:ALA:HB1	1:152:C:LEU:HA	1	1.18
(1,53)	1:155:A:ALA:HB3	1:152:B:LEU:HA	7	1.18
(1,4)	1:162:D:ALA:HB2	1:160:C:THR:HB	11	1.18
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	12	1.17
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	19	1.17
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	12	1.17
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	19	1.17
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	12	1.17
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	19	1.17
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	12	1.17
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	13	1.17
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	17	1.17
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	20	1.17
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	17	1.17
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	13	1.17
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	17	1.17
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1364)	1:131:D:ILE:HG13	1:132:A:THR:HG22	8	1.17
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	15	1.17
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	15	1.17
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	17	1.17
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	17	1.17
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	17	1.17
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	17	1.17
(2,1063)	1:133:C:ALA:HB3	1:129:C:ASP:HB2	6	1.17
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	2	1.17
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB3	2	1.17
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB3	2	1.17
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB3	2	1.17
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	7	1.17
(1,454)	1:138:B:ILE:HD12	1:137:C:ARG:HB2	12	1.17
(1,415)	1:142:C:LEU:HD13	1:142:B:LEU:HD22	9	1.17
(1,415)	1:142:C:LEU:HD11	1:142:B:LEU:HD21	11	1.17
(1,414)	1:142:B:LEU:HD11	1:142:C:LEU:HD22	15	1.17
(1,413)	1:142:A:LEU:HD12	1:142:B:LEU:HD22	13	1.17
(1,304)	1:146:D:LEU:HD23	1:146:C:LEU:HA	1	1.17
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	5	1.17
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	16	1.17
(1,303)	1:146:C:LEU:HD23	1:146:B:LEU:HA	11	1.17
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	14	1.17
(1,302)	1:146:B:LEU:HD23	1:146:A:LEU:HA	8	1.17
(1,301)	1:146:A:LEU:HD23	1:146:D:LEU:HA	1	1.17
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	4	1.17
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	3	1.17
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	12	1.17
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	18	1.17
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	2	1.17
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	6	1.17
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	7	1.17
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	10	1.17
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	3	1.17
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	10	1.17
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	3	1.17
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	6	1.17
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	7	1.17
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	10	1.17
(1,56)	1:155:D:ALA:HB3	1:152:A:LEU:HA	7	1.17
(1,55)	1:155:C:ALA:HB3	1:152:D:LEU:HA	7	1.17
(1,3)	1:162:C:ALA:HB3	1:160:B:THR:HB	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	8	1.16
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	13	1.16
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	13	1.16
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	17	1.16
(2,1363)	1:131:C:ILE:HG13	1:132:D:THR:HG22	8	1.16
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	15	1.16
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	15	1.16
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	10	1.16
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	10	1.16
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	10	1.16
(2,1064)	1:133:D:ALA:HB3	1:129:D:ASP:HB2	6	1.16
(2,1062)	1:133:B:ALA:HB3	1:129:B:ASP:HB2	6	1.16
(2,1061)	1:133:A:ALA:HB3	1:129:A:ASP:HB2	6	1.16
(1,621)	1:127:A:THR:HG23	1:127:D:THR:HA	5	1.16
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	19	1.16
(1,416)	1:142:D:LEU:HD12	1:142:A:LEU:HD22	13	1.16
(1,416)	1:142:D:LEU:HD11	1:142:A:LEU:HD22	15	1.16
(1,415)	1:142:C:LEU:HD11	1:142:D:LEU:HD22	15	1.16
(1,414)	1:142:B:LEU:HD13	1:142:A:LEU:HD22	9	1.16
(1,414)	1:142:B:LEU:HD12	1:142:C:LEU:HD22	13	1.16
(1,413)	1:142:A:LEU:HD11	1:142:B:LEU:HD22	15	1.16
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	14	1.16
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	4	1.16
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	4	1.16
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	7	1.16
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	1	1.16
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	2	1.16
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	10	1.16
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	13	1.16
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	1	1.16
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	3	1.16
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	15	1.16
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	16	1.16
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	18	1.16
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	1	1.16
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	2	1.16
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	13	1.16
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	16	1.16
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	17	1.16
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	17	1.16
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	17	1.16
(1,14)	1:160:B:THR:HG21	1:160:A:THR:HB	12	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:162:D:ALA:HB3	1:160:C:THR:HB	3	1.16
(1,2)	1:162:B:ALA:HB3	1:160:A:THR:HB	3	1.16
(2,2172)	1:130:D:ASN:HD21	1:127:D:THR:HB	16	1.15
(2,2171)	1:130:C:ASN:HD21	1:127:C:THR:HB	16	1.15
(2,2170)	1:130:B:ASN:HD21	1:127:B:THR:HB	16	1.15
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	8	1.15
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	8	1.15
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	8	1.15
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	9	1.15
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	9	1.15
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	9	1.15
(2,1361)	1:131:A:ILE:HG13	1:132:B:THR:HG22	8	1.15
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	10	1.15
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	8	1.15
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	7	1.15
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	10	1.15
(1,413)	1:142:A:LEU:HD13	1:142:D:LEU:HD22	9	1.15
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	2	1.15
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	14	1.15
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	7	1.15
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	7	1.15
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	11	1.15
(1,163)	1:152:C:LEU:HD21	1:155:D:ALA:HA	5	1.15
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	11	1.15
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	11	1.15
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	18	1.15
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	13	1.15
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	15	1.15
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	4	1.15
(1,56)	1:155:D:ALA:HB3	1:152:A:LEU:HA	18	1.15
(1,54)	1:155:B:ALA:HB3	1:152:C:LEU:HA	18	1.15
(1,31)	1:159:C:PRO:HD3	1:158:B:GLY:HA3	7	1.15
(1,1)	1:162:A:ALA:HB3	1:160:D:THR:HB	3	1.15
(2,2169)	1:130:A:ASN:HD21	1:127:A:THR:HB	16	1.14
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	11	1.14
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	11	1.14
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	11	1.14
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	9	1.14
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	9	1.14
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	9	1.14
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	9	1.14
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB2	1	1.14
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB2	1	1.14
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB2	1	1.14
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	8	1.14
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	8	1.14
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	8	1.14
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	20	1.14
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	20	1.14
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	19	1.14
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	19	1.14
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	19	1.14
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	19	1.14
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	10	1.14
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	10	1.14
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	10	1.14
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	4	1.14
(1,164)	1:152:D:LEU:HD21	1:155:A:ALA:HA	5	1.14
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	15	1.14
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	16	1.14
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	4	1.14
(1,162)	1:152:B:LEU:HD21	1:155:C:ALA:HA	5	1.14
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	15	1.14
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	16	1.14
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	1	1.14
(1,161)	1:152:A:LEU:HD21	1:155:B:ALA:HA	5	1.14
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	11	1.14
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	18	1.14
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	17	1.14
(1,53)	1:155:A:ALA:HB3	1:152:B:LEU:HA	18	1.14
(1,16)	1:160:D:THR:HG21	1:160:C:THR:HB	12	1.14
(1,15)	1:160:C:THR:HG21	1:160:B:THR:HB	12	1.14
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	11	1.13
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	11	1.13
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	11	1.13
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	6	1.13
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	6	1.13
(2,1156)	1:129:D:ASP:HA	1:128:D:ASN:HB2	5	1.13
(2,1155)	1:129:C:ASP:HA	1:128:C:ASN:HB2	5	1.13
(2,1154)	1:129:B:ASP:HA	1:128:B:ASN:HB2	5	1.13
(2,1153)	1:129:A:ASP:HA	1:128:A:ASN:HB2	5	1.13
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB2	1	1.13
(2,831)	1:140:C:GLU:HG2	1:136:C:ASP:HA	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,830)	1:140:B:GLU:HG2	1:136:B:ASP:HA	5	1.13
(2,829)	1:140:A:GLU:HG2	1:136:A:ASP:HA	5	1.13
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB3	13	1.13
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB3	13	1.13
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB3	13	1.13
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB3	13	1.13
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	10	1.13
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	10	1.13
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	14	1.13
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	14	1.13
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	10	1.13
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	8	1.13
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	8	1.13
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	8	1.13
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	8	1.13
(1,453)	1:138:A:ILE:HD13	1:137:B:ARG:HB2	13	1.13
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	7	1.13
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	13	1.13
(1,161)	1:152:A:LEU:HD23	1:155:B:ALA:HA	14	1.13
(1,110)	1:153:B:VAL:HG22	1:153:A:VAL:HA	19	1.13
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	19	1.13
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	16	1.13
(1,30)	1:159:B:PRO:HD3	1:158:A:GLY:HA3	7	1.13
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	2	1.13
(1,29)	1:159:A:PRO:HD3	1:158:D:GLY:HA3	7	1.13
(1,23)	1:159:C:PRO:HD2	1:158:B:GLY:HA3	7	1.13
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	5	1.12
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	15	1.12
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	11	1.12
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	11	1.12
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	6	1.12
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	6	1.12
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	12	1.12
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	11	1.12
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	11	1.12
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	11	1.12
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	11	1.12
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB2	7	1.12
(2,832)	1:140:D:GLU:HG2	1:136:D:ASP:HA	5	1.12
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	1	1.12
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB3	10	1.12
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB3	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB3	10	1.12
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	15	1.12
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	15	1.12
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	15	1.12
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	15	1.12
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	10	1.12
(1,623)	1:127:C:THR:HG23	1:127:B:THR:HA	13	1.12
(1,456)	1:138:D:ILE:HD13	1:137:A:ARG:HB2	13	1.12
(1,455)	1:138:C:ILE:HD13	1:137:D:ARG:HB2	13	1.12
(1,454)	1:138:B:ILE:HD13	1:137:C:ARG:HB2	13	1.12
(1,414)	1:142:B:LEU:HD12	1:142:A:LEU:HD21	17	1.12
(1,164)	1:152:D:LEU:HD23	1:155:A:ALA:HA	14	1.12
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	4	1.12
(1,163)	1:152:C:LEU:HD23	1:155:D:ALA:HA	14	1.12
(1,162)	1:152:B:LEU:HD22	1:155:C:ALA:HA	9	1.12
(1,162)	1:152:B:LEU:HD23	1:155:C:ALA:HA	14	1.12
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	4	1.12
(1,112)	1:153:D:VAL:HG22	1:153:C:VAL:HA	19	1.12
(1,111)	1:153:C:VAL:HG22	1:153:B:VAL:HA	19	1.12
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	19	1.12
(1,55)	1:155:C:ALA:HB3	1:152:D:LEU:HA	18	1.12
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	19	1.12
(1,22)	1:159:B:PRO:HD2	1:158:A:GLY:HA3	2	1.12
(1,21)	1:159:A:PRO:HD2	1:158:D:GLY:HA3	7	1.12
(1,13)	1:160:A:THR:HG21	1:160:D:THR:HB	12	1.12
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	7	1.11
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	7	1.11
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	7	1.11
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	7	1.11
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	20	1.11
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	2	1.11
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	10	1.11
(2,1368)	1:138:D:ILE:HG22	1:139:D:ASP:HB3	3	1.11
(2,1367)	1:138:C:ILE:HG22	1:139:C:ASP:HB3	3	1.11
(2,1366)	1:138:B:ILE:HG22	1:139:B:ASP:HB3	3	1.11
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	11	1.11
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	13	1.11
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	11	1.11
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	13	1.11
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	11	1.11
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	13	1.11
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	13	1.11
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	3	1.11
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	12	1.11
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	3	1.11
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	3	1.11
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	3	1.11
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	12	1.11
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB2	7	1.11
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB2	7	1.11
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB2	7	1.11
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	1	1.11
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	1	1.11
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	1	1.11
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB3	10	1.11
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	16	1.11
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	16	1.11
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	13	1.11
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	13	1.11
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	13	1.11
(1,621)	1:127:A:THR:HG23	1:127:D:THR:HA	13	1.11
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	17	1.11
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	17	1.11
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	4	1.11
(1,164)	1:152:D:LEU:HD22	1:155:A:ALA:HA	9	1.11
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	20	1.11
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	20	1.11
(1,109)	1:153:A:VAL:HG22	1:153:D:VAL:HA	19	1.11
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	16	1.11
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	16	1.11
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	16	1.11
(1,32)	1:159:D:PRO:HD3	1:158:C:GLY:HA3	7	1.11
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	2	1.1
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	5	1.1
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	10	1.1
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	15	1.1
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	16	1.1
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	20	1.1
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	2	1.1
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	5	1.1
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	15	1.1
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	16	1.1
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	2	1.1
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	5	1.1
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	15	1.1
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	16	1.1
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	1	1.1
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	16	1.1
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	20	1.1
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	15	1.1
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	15	1.1
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	15	1.1
(2,1365)	1:138:A:ILE:HG22	1:139:A:ASP:HB3	3	1.1
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	15	1.1
(2,1364)	1:131:D:ILE:HG13	1:132:A:THR:HG22	13	1.1
(2,1362)	1:131:B:ILE:HG13	1:132:C:THR:HG22	13	1.1
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	9	1.1
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	9	1.1
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	12	1.1
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	10	1.1
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	10	1.1
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	10	1.1
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	10	1.1
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB3	6	1.1
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB3	17	1.1
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB3	6	1.1
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB3	17	1.1
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB3	17	1.1
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB3	6	1.1
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB3	17	1.1
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	16	1.1
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	16	1.1
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	3	1.1
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	3	1.1
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	3	1.1
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	16	1.1
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	16	1.1
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	13	1.1
(1,622)	1:127:B:THR:HG23	1:127:A:THR:HA	13	1.1
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	8	1.1
(1,416)	1:142:D:LEU:HD12	1:142:C:LEU:HD21	17	1.1
(1,415)	1:142:C:LEU:HD12	1:142:B:LEU:HD21	17	1.1
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	17	1.1
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:152:C:LEU:HD22	1:155:D:ALA:HA	9	1.1
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	20	1.1
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	20	1.1
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	19	1.1
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	2	1.1
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	2	1.1
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	11	1.1
(1,22)	1:159:B:PRO:HD2	1:158:A:GLY:HA3	7	1.1
(1,10)	1:160:B:THR:HG22	1:160:C:THR:HA	9	1.1
(1,1)	1:162:A:ALA:HB2	1:160:D:THR:HB	10	1.1
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	1	1.09
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	1	1.09
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	10	1.09
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	1	1.09
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	9	1.09
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	10	1.09
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	13	1.09
(2,1361)	1:131:A:ILE:HG13	1:132:B:THR:HG22	13	1.09
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	12	1.09
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	12	1.09
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	9	1.09
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	9	1.09
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB3	6	1.09
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB2	18	1.09
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	16	1.09
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	16	1.09
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	3	1.09
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	8	1.09
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	8	1.09
(1,413)	1:142:A:LEU:HD12	1:142:D:LEU:HD21	17	1.09
(1,161)	1:152:A:LEU:HD22	1:155:B:ALA:HA	9	1.09
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	2	1.09
(1,24)	1:159:D:PRO:HD2	1:158:C:GLY:HA3	7	1.09
(1,23)	1:159:C:PRO:HD2	1:158:B:GLY:HA3	2	1.09
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	9	1.08
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	9	1.08
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	3	1.08
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	6	1.08
(2,2045)	1:144:A:GLU:H	1:145:A:ILE:HG12	9	1.08
(2,1363)	1:131:C:ILE:HG13	1:132:D:THR:HG22	13	1.08
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	12	1.08
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	12	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	19	1.08
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB2	18	1.08
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB2	18	1.08
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB2	18	1.08
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	12	1.08
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	12	1.08
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	17	1.08
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	17	1.08
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	17	1.08
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	17	1.08
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	14	1.08
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	14	1.08
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	14	1.08
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	14	1.08
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	14	1.08
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	14	1.08
(1,624)	1:127:D:THR:HG23	1:127:C:THR:HA	13	1.08
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	6	1.08
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	11	1.08
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	16	1.08
(1,12)	1:160:D:THR:HG22	1:160:A:THR:HA	9	1.08
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	3	1.07
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	6	1.07
(2,2048)	1:144:D:GLU:H	1:145:D:ILE:HG12	13	1.07
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	3	1.07
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	6	1.07
(2,2047)	1:144:C:GLU:H	1:145:C:ILE:HG12	13	1.07
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	3	1.07
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	6	1.07
(2,2046)	1:144:B:GLU:H	1:145:B:ILE:HG12	13	1.07
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	12	1.07
(2,1108)	1:142:D:LEU:HD23	1:139:D:ASP:HB2	14	1.07
(2,1107)	1:142:C:LEU:HD23	1:139:C:ASP:HB2	14	1.07
(2,1106)	1:142:B:LEU:HD23	1:139:B:ASP:HB2	14	1.07
(2,1105)	1:142:A:LEU:HD23	1:139:A:ASP:HB2	14	1.07
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	19	1.07
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	19	1.07
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	19	1.07
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	19	1.07
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	12	1.07
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	12	1.07
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	10	1.07
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	10	1.07
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	10	1.07
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	8	1.07
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	2	1.07
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	2	1.07
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	2	1.07
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	1	1.07
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	2	1.07
(1,3)	1:162:C:ALA:HB2	1:160:B:THR:HB	10	1.07
(2,1240)	1:138:D:ILE:HG21	1:141:D:LYS:HB3	5	1.06
(2,1238)	1:138:B:ILE:HG21	1:141:B:LYS:HB3	5	1.06
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	19	1.06
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	19	1.06
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	19	1.06
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	13	1.06
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	13	1.06
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	13	1.06
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	13	1.06
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	13	1.06
(1,302)	1:146:B:LEU:HD22	1:146:A:LEU:HA	17	1.06
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	2	1.06
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	17	1.06
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	17	1.06
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	17	1.06
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	16	1.06
(1,21)	1:159:A:PRO:HD2	1:158:D:GLY:HA3	2	1.06
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	11	1.06
(1,11)	1:160:C:THR:HG22	1:160:D:THR:HA	9	1.06
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	12	1.05
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	12	1.05
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	20	1.05
(2,1239)	1:138:C:ILE:HG21	1:141:C:LYS:HB3	5	1.05
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	20	1.05
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	20	1.05
(2,1237)	1:138:A:ILE:HG21	1:141:A:LYS:HB3	5	1.05
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	20	1.05
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB2	19	1.05
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB2	19	1.05
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB2	19	1.05
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB2	19	1.05
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	2	1.05
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	1	1.05
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	2	1.05
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	1	1.05
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	2	1.05
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	1	1.05
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	2	1.05
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB2	11	1.05
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	18	1.05
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	18	1.05
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	13	1.05
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	13	1.05
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	13	1.05
(1,624)	1:127:D:THR:HG22	1:127:A:THR:HA	15	1.05
(1,622)	1:127:B:THR:HG22	1:127:C:THR:HA	15	1.05
(1,270)	1:148:B:MET:HE3	1:148:C:MET:HG2	12	1.05
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	20	1.05
(1,260)	1:148:D:MET:HE1	1:145:A:ILE:HG22	5	1.05
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	17	1.05
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	2	1.05
(1,110)	1:153:B:VAL:HG23	1:153:A:VAL:HA	17	1.05
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	20	1.05
(1,54)	1:155:B:ALA:HB1	1:152:C:LEU:HA	2	1.05
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	20	1.05
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	20	1.05
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	20	1.05
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	6	1.05
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	6	1.05
(1,9)	1:160:A:THR:HG22	1:160:B:THR:HA	9	1.05
(2,2339)	1:139:C:ASP:H	1:140:C:GLU:HG2	5	1.04
(2,2338)	1:139:B:ASP:H	1:140:B:GLU:HG2	5	1.04
(2,2337)	1:139:A:ASP:H	1:140:A:GLU:HG2	5	1.04
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	12	1.04
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	4	1.04
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD12	11	1.04
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	13	1.04
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	13	1.04
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	13	1.04
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	13	1.04
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB2	11	1.04
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB2	11	1.04
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB2	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	18	1.04
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	18	1.04
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	7	1.04
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	20	1.04
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	20	1.04
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	20	1.04
(1,258)	1:148:B:MET:HE1	1:145:C:ILE:HG22	5	1.04
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	1	1.04
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	9	1.04
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	16	1.04
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	16	1.04
(1,109)	1:153:A:VAL:HG23	1:153:D:VAL:HA	17	1.04
(1,56)	1:155:D:ALA:HB1	1:152:A:LEU:HA	2	1.04
(1,55)	1:155:C:ALA:HB3	1:152:D:LEU:HA	6	1.04
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	20	1.04
(1,54)	1:155:B:ALA:HB3	1:152:C:LEU:HA	6	1.04
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	20	1.04
(1,53)	1:155:A:ALA:HB3	1:152:B:LEU:HA	6	1.04
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	20	1.04
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	20	1.04
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	6	1.04
(2,2340)	1:139:D:ASP:H	1:140:D:GLU:HG2	5	1.03
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD13	12	1.03
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD13	12	1.03
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	4	1.03
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD13	7	1.03
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD12	11	1.03
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD13	7	1.03
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD12	11	1.03
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD13	7	1.03
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD12	11	1.03
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD13	7	1.03
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB2	12	1.03
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB1	13	1.03
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	13	1.03
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	13	1.03
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	13	1.03
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	13	1.03
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	10	1.03
(1,623)	1:127:C:THR:HG22	1:127:D:THR:HA	15	1.03
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	10	1.03
(1,621)	1:127:A:THR:HG22	1:127:B:THR:HA	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	8	1.03
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	7	1.03
(1,304)	1:146:D:LEU:HD22	1:146:C:LEU:HA	17	1.03
(1,301)	1:146:A:LEU:HD22	1:146:D:LEU:HA	17	1.03
(1,272)	1:148:D:MET:HE3	1:148:A:MET:HG2	12	1.03
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	17	1.03
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	6	1.03
(1,259)	1:148:C:MET:HE1	1:145:D:ILE:HG22	5	1.03
(1,257)	1:148:A:MET:HE1	1:145:B:ILE:HG22	5	1.03
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG23	18	1.03
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	1	1.03
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	9	1.03
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	16	1.03
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	9	1.03
(1,111)	1:153:C:VAL:HG23	1:153:B:VAL:HA	17	1.03
(1,56)	1:155:D:ALA:HB3	1:152:A:LEU:HA	6	1.03
(1,53)	1:155:A:ALA:HB1	1:152:B:LEU:HA	2	1.03
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	2	1.03
(1,4)	1:162:D:ALA:HB2	1:160:C:THR:HB	10	1.03
(1,1)	1:162:A:ALA:HB1	1:160:B:THR:HB	15	1.03
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	19	1.02
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	19	1.02
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	19	1.02
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	19	1.02
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD13	12	1.02
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD13	12	1.02
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	4	1.02
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	4	1.02
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB2	12	1.02
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB2	12	1.02
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB2	12	1.02
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB1	13	1.02
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB1	13	1.02
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	10	1.02
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	16	1.02
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	10	1.02
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	8	1.02
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	8	1.02
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	7	1.02
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	7	1.02
(1,304)	1:146:D:LEU:HD21	1:146:C:LEU:HA	4	1.02
(1,303)	1:146:C:LEU:HD22	1:146:B:LEU:HA	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	17	1.02
(1,271)	1:148:C:MET:HE3	1:148:D:MET:HG2	12	1.02
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	17	1.02
(1,269)	1:148:A:MET:HE3	1:148:B:MET:HG2	12	1.02
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	6	1.02
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	15	1.02
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	16	1.02
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	2	1.02
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	15	1.02
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	1	1.02
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	6	1.02
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	9	1.02
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	1	1.02
(1,112)	1:153:D:VAL:HG23	1:153:C:VAL:HA	17	1.02
(1,82)	1:154:B:VAL:HG12	1:156:C:SER:HB2	4	1.02
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	2	1.02
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	16	1.02
(1,3)	1:162:C:ALA:HB1	1:160:D:THR:HB	15	1.02
(1,2)	1:162:B:ALA:HB2	1:160:A:THR:HB	10	1.02
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB1	13	1.01
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	3	1.01
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	3	1.01
(1,624)	1:127:D:THR:HG22	1:127:A:THR:HA	18	1.01
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	20	1.01
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	20	1.01
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	16	1.01
(1,303)	1:146:C:LEU:HD21	1:146:B:LEU:HA	4	1.01
(1,302)	1:146:B:LEU:HD21	1:146:A:LEU:HA	4	1.01
(1,272)	1:148:D:MET:HE1	1:148:A:MET:HG2	19	1.01
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	19	1.01
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	6	1.01
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG23	18	1.01
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	10	1.01
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	6	1.01
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	16	1.01
(1,4)	1:162:D:ALA:HB1	1:160:A:THR:HB	15	1.01
(1,2)	1:162:B:ALA:HB1	1:160:C:THR:HB	15	1.01
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB2	15	1.0
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB2	15	1.0
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB2	15	1.0
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB2	15	1.0
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	3	1.0
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	16	1.0
(1,622)	1:127:B:THR:HG22	1:127:C:THR:HA	18	1.0
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	8	1.0
(1,461)	1:138:A:ILE:HD12	1:134:B:ARG:HA	11	1.0
(1,270)	1:148:B:MET:HE1	1:148:C:MET:HG2	17	1.0
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	15	1.0
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	16	1.0
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG23	18	1.0
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG23	18	1.0
(1,81)	1:154:A:VAL:HG12	1:156:B:SER:HB2	4	1.0
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	10	1.0
(1,55)	1:155:C:ALA:HB1	1:152:D:LEU:HA	2	1.0
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	16	1.0
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	6	1.0
(1,3)	1:162:C:ALA:HB2	1:160:B:THR:HB	6	1.0
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	17	0.99
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	17	0.99
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	17	0.99
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	17	0.99
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	20	0.99
(1,301)	1:146:A:LEU:HD21	1:146:D:LEU:HA	4	0.99
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	3	0.99
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	16	0.99
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	16	0.99
(1,84)	1:154:D:VAL:HG12	1:156:A:SER:HB2	4	0.99
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	9	0.99
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	10	0.99
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	11	0.99
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	14	0.99
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	18	0.99
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	9	0.99
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	10	0.99
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	11	0.99
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	18	0.99
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	11	0.99
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	18	0.99
(1,37)	1:156:A:SER:HB2	1:153:B:VAL:HG12	17	0.99
(1,1)	1:162:A:ALA:HB2	1:160:D:THR:HB	6	0.99
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	5	0.98
(2,1240)	1:138:D:ILE:HG21	1:141:D:LYS:HB3	8	0.98
(2,1239)	1:138:C:ILE:HG21	1:141:C:LYS:HB3	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:138:B:ILE:HG21	1:141:B:LYS:HB3	8	0.98
(2,1237)	1:138:A:ILE:HG21	1:141:A:LYS:HB3	8	0.98
(2,1108)	1:142:D:LEU:HD21	1:139:D:ASP:HB2	4	0.98
(2,1106)	1:142:B:LEU:HD23	1:139:B:ASP:HB2	18	0.98
(2,1105)	1:142:A:LEU:HD21	1:139:A:ASP:HB2	4	0.98
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	11	0.98
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	19	0.98
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD13	11	0.98
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	19	0.98
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	19	0.98
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB2	20	0.98
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	7	0.98
(1,621)	1:127:A:THR:HG22	1:127:B:THR:HA	6	0.98
(1,494)	1:135:B:LEU:HD13	1:131:A:ILE:HB	6	0.98
(1,464)	1:138:D:ILE:HD12	1:134:A:ARG:HA	11	0.98
(1,463)	1:138:C:ILE:HD12	1:134:D:ARG:HA	11	0.98
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	3	0.98
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	1	0.98
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	15	0.98
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	3	0.98
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	17	0.98
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	15	0.98
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	15	0.98
(1,84)	1:154:D:VAL:HG12	1:156:A:SER:HB2	5	0.98
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	16	0.98
(1,83)	1:154:C:VAL:HG12	1:156:D:SER:HB2	4	0.98
(1,83)	1:154:C:VAL:HG12	1:156:D:SER:HB2	5	0.98
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	11	0.98
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	14	0.98
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	16	0.98
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	18	0.98
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	16	0.98
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	16	0.98
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	6	0.98
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	5	0.97
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	5	0.97
(2,1108)	1:142:D:LEU:HD23	1:139:D:ASP:HB2	18	0.97
(2,1107)	1:142:C:LEU:HD21	1:139:C:ASP:HB2	4	0.97
(2,1107)	1:142:C:LEU:HD23	1:139:C:ASP:HB2	18	0.97
(2,1106)	1:142:B:LEU:HD21	1:139:B:ASP:HB2	4	0.97
(2,1105)	1:142:A:LEU:HD23	1:139:A:ASP:HB2	18	0.97
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD13	1	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	2	0.97
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	19	0.97
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD13	1	0.97
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	11	0.97
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD13	1	0.97
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	2	0.97
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD13	1	0.97
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	2	0.97
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD13	11	0.97
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB3	8	0.97
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB2	20	0.97
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB3	8	0.97
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB3	9	0.97
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB2	20	0.97
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB3	8	0.97
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB2	20	0.97
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB3	9	0.97
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	7	0.97
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	7	0.97
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	7	0.97
(2,796)	1:137:D:ARG:HG2	1:140:D:GLU:HB2	10	0.97
(2,795)	1:137:C:ARG:HG2	1:140:C:GLU:HB2	10	0.97
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	10	0.97
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	10	0.97
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	18	0.97
(1,623)	1:127:C:THR:HG22	1:127:D:THR:HA	18	0.97
(1,622)	1:127:B:THR:HG22	1:127:C:THR:HA	6	0.97
(1,462)	1:138:B:ILE:HD12	1:134:C:ARG:HA	11	0.97
(1,414)	1:142:B:LEU:HD11	1:142:A:LEU:HD23	6	0.97
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	1	0.97
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	17	0.97
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	1	0.97
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	15	0.97
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	15	0.97
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	9	0.97
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	15	0.97
(1,82)	1:154:B:VAL:HG12	1:156:C:SER:HB2	5	0.97
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	14	0.97
(1,81)	1:154:A:VAL:HG12	1:156:B:SER:HB2	5	0.97
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	14	0.97
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	15	0.97
(1,40)	1:156:D:SER:HB2	1:153:A:VAL:HG12	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:156:B:SER:HB2	1:153:C:VAL:HG12	17	0.97
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	6	0.97
(1,4)	1:162:D:ALA:HB1	1:160:C:THR:HB	9	0.97
(1,3)	1:162:C:ALA:HB1	1:160:B:THR:HB	9	0.97
(1,2)	1:162:B:ALA:HB1	1:160:A:THR:HB	9	0.97
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	16	0.96
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	16	0.96
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	16	0.96
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	16	0.96
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	5	0.96
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	16	0.96
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	2	0.96
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	3	0.96
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	16	0.96
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	20	0.96
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	16	0.96
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	20	0.96
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	3	0.96
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	16	0.96
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	20	0.96
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD12	2	0.96
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD12	2	0.96
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD12	2	0.96
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD12	2	0.96
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB3	9	0.96
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB3	9	0.96
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB3	8	0.96
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	18	0.96
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	18	0.96
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	18	0.96
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	16	0.96
(1,621)	1:127:A:THR:HG22	1:127:B:THR:HA	18	0.96
(1,496)	1:135:D:LEU:HD13	1:131:C:ILE:HB	6	0.96
(1,269)	1:148:A:MET:HE1	1:148:B:MET:HG2	19	0.96
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	11	0.96
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	17	0.96
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	3	0.96
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	11	0.96
(1,117)	1:154:A:VAL:HG21	1:148:D:MET:HG3	6	0.96
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	15	0.96
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	15	0.96
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	9	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:162:A:ALA:HB1	1:160:D:THR:HB	9	0.96
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	3	0.95
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	4	0.95
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	6	0.95
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	8	0.95
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	20	0.95
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	4	0.95
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	6	0.95
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	8	0.95
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	10	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	3	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	4	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	6	0.95
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	8	0.95
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	4	0.95
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	6	0.95
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	8	0.95
(2,1007)	1:132:C:THR:HG21	1:135:C:LEU:HD12	14	0.95
(2,1006)	1:132:B:THR:HG21	1:135:B:LEU:HD12	14	0.95
(2,1005)	1:132:A:THR:HG21	1:135:A:LEU:HD12	14	0.95
(1,623)	1:127:C:THR:HG22	1:127:D:THR:HA	6	0.95
(1,493)	1:135:A:LEU:HD13	1:131:D:ILE:HB	6	0.95
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	11	0.95
(1,266)	1:148:B:MET:HE1	1:148:C:MET:HG3	8	0.95
(1,119)	1:154:C:VAL:HG21	1:148:B:MET:HG3	6	0.95
(1,39)	1:156:C:SER:HB2	1:153:D:VAL:HG12	17	0.95
(1,15)	1:160:C:THR:HG22	1:160:B:THR:HB	20	0.95
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	12	0.94
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	12	0.94
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	12	0.94
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	12	0.94
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	11	0.94
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	11	0.94
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	11	0.94
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	11	0.94
(2,1180)	1:150:D:HIS:HB2	1:147:D:GLY:HA3	5	0.94
(2,1179)	1:150:C:HIS:HB2	1:147:C:GLY:HA3	5	0.94
(2,1178)	1:150:B:HIS:HB2	1:147:B:GLY:HA3	5	0.94
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	10	0.94
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	10	0.94
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	10	0.94
(2,1008)	1:132:D:THR:HG21	1:135:D:LEU:HD12	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB1	4	0.94
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB1	4	0.94
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB1	4	0.94
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB1	4	0.94
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	18	0.94
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	18	0.94
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	18	0.94
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	18	0.94
(1,624)	1:127:D:THR:HG22	1:127:A:THR:HA	6	0.94
(1,519)	1:132:C:THR:HG23	1:135:B:LEU:HG	15	0.94
(1,517)	1:132:A:THR:HG23	1:135:D:LEU:HG	15	0.94
(1,495)	1:135:C:LEU:HD13	1:131:B:ILE:HB	6	0.94
(1,416)	1:142:D:LEU:HD11	1:142:C:LEU:HD23	6	0.94
(1,271)	1:148:C:MET:HE1	1:148:D:MET:HG2	19	0.94
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	14	0.94
(1,118)	1:154:B:VAL:HG21	1:148:A:MET:HG3	6	0.94
(1,16)	1:160:D:THR:HG22	1:160:C:THR:HB	20	0.94
(1,14)	1:160:B:THR:HG22	1:160:A:THR:HB	20	0.94
(1,13)	1:160:A:THR:HG22	1:160:D:THR:HB	20	0.94
(1,2)	1:162:B:ALA:HB2	1:160:A:THR:HB	6	0.94
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	20	0.93
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	20	0.93
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	20	0.93
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	20	0.93
(2,1177)	1:150:A:HIS:HB2	1:147:A:GLY:HA3	5	0.93
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	15	0.93
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	15	0.93
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	12	0.93
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	12	0.93
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	12	0.93
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	12	0.93
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	20	0.93
(1,518)	1:132:B:THR:HG23	1:135:A:LEU:HG	15	0.93
(1,415)	1:142:C:LEU:HD11	1:142:B:LEU:HD23	6	0.93
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	5	0.93
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	5	0.93
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	11	0.93
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	17	0.93
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	14	0.93
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	14	0.93
(1,120)	1:154:D:VAL:HG21	1:148:C:MET:HG3	6	0.93
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	2	0.93
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	1	0.93
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	12	0.93
(2,2146)	1:137:B:ARG:H	1:140:B:GLU:HG2	5	0.92
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	2	0.92
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	2	0.92
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	2	0.92
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	2	0.92
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	7	0.92
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	14	0.92
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	7	0.92
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	14	0.92
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	15	0.92
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	7	0.92
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	14	0.92
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	15	0.92
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	7	0.92
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	14	0.92
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB3	16	0.92
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB3	16	0.92
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB3	16	0.92
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	10	0.92
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	10	0.92
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	11	0.92
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	11	0.92
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	11	0.92
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	11	0.92
(1,520)	1:132:D:THR:HG23	1:135:C:LEU:HG	15	0.92
(1,496)	1:135:D:LEU:HD12	1:131:C:ILE:HB	19	0.92
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	9	0.92
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	9	0.92
(1,413)	1:142:A:LEU:HD11	1:142:D:LEU:HD23	6	0.92
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	5	0.92
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	5	0.92
(1,394)	1:142:B:LEU:HD23	1:146:C:LEU:HG	10	0.92
(1,268)	1:148:D:MET:HE1	1:148:A:MET:HG3	8	0.92
(1,236)	1:149:D:LEU:HD11	1:146:C:LEU:HB2	11	0.92
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	14	0.92
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	4	0.92
(1,234)	1:149:B:LEU:HD11	1:146:A:LEU:HB2	11	0.92
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	2	0.92
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	12	0.92
(1,4)	1:162:D:ALA:HB2	1:160:C:THR:HB	6	0.92
(2,2148)	1:137:D:ARG:H	1:140:D:GLU:HG2	5	0.91
(2,2147)	1:137:C:ARG:H	1:140:C:GLU:HG2	5	0.91
(2,2145)	1:137:A:ARG:H	1:140:A:GLU:HG2	5	0.91
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	12	0.91
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	12	0.91
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	12	0.91
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	12	0.91
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	2	0.91
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	2	0.91
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	2	0.91
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD12	8	0.91
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD12	8	0.91
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD12	8	0.91
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD12	8	0.91
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB1	13	0.91
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB1	14	0.91
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB1	13	0.91
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB1	14	0.91
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB1	13	0.91
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB1	14	0.91
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB3	16	0.91
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB1	13	0.91
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB1	14	0.91
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	17	0.91
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	17	0.91
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	17	0.91
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	10	0.91
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	10	0.91
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	7	0.91
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	7	0.91
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	7	0.91
(1,396)	1:142:D:LEU:HD23	1:146:A:LEU:HG	10	0.91
(1,395)	1:142:C:LEU:HD23	1:146:D:LEU:HG	10	0.91
(1,393)	1:142:A:LEU:HD23	1:146:B:LEU:HG	10	0.91
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	10	0.91
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	16	0.91
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	2	0.91
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	8	0.91
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	10	0.91
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	16	0.91
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	4	0.91
(1,233)	1:149:A:LEU:HD11	1:146:D:LEU:HB2	11	0.91
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	16	0.91
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	1	0.91
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	1	0.91
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	2	0.91
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	3	0.9
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB2	5	0.9
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB2	8	0.9
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	3	0.9
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB2	5	0.9
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB2	8	0.9
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	3	0.9
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB2	5	0.9
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB2	8	0.9
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	3	0.9
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB2	8	0.9
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	2	0.9
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD13	18	0.9
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD13	18	0.9
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD13	18	0.9
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD13	18	0.9
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB3	11	0.9
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB3	11	0.9
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB3	11	0.9
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB3	11	0.9
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	17	0.9
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	7	0.9
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	11	0.9
(1,463)	1:138:C:ILE:HD11	1:134:D:ARG:HA	14	0.9
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	9	0.9
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	9	0.9
(1,267)	1:148:C:MET:HE1	1:148:D:MET:HG3	8	0.9
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	3	0.9
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	4	0.9
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	8	0.9
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	3	0.9
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	6	0.9
(1,235)	1:149:C:LEU:HD11	1:146:B:LEU:HB2	11	0.9
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	16	0.9
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	4	0.9
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	6	0.9
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	2	0.9
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	3	0.9
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	8	0.9
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	10	0.9
(1,233)	1:149:A:LEU:HD11	1:146:D:LEU:HB2	18	0.9
(1,84)	1:154:D:VAL:HG12	1:156:A:SER:HB2	6	0.9
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	12	0.9
(1,83)	1:154:C:VAL:HG12	1:156:D:SER:HB2	6	0.9
(1,82)	1:154:B:VAL:HG12	1:156:C:SER:HB2	6	0.9
(1,82)	1:154:B:VAL:HG12	1:156:C:SER:HB2	7	0.9
(1,81)	1:154:A:VAL:HG12	1:156:B:SER:HB2	6	0.9
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB2	5	0.89
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	1	0.89
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	17	0.89
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	17	0.89
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	17	0.89
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	17	0.89
(2,1240)	1:138:D:ILE:HG22	1:141:D:LYS:HB3	16	0.89
(2,1239)	1:138:C:ILE:HG22	1:141:C:LYS:HB3	16	0.89
(2,1237)	1:138:A:ILE:HG22	1:141:A:LYS:HB3	16	0.89
(2,852)	1:154:D:VAL:HG22	1:157:D:ALA:HB2	3	0.89
(2,852)	1:154:D:VAL:HG23	1:157:D:ALA:HB3	5	0.89
(2,852)	1:154:D:VAL:HG21	1:157:D:ALA:HB1	10	0.89
(2,851)	1:154:C:VAL:HG23	1:157:C:ALA:HB3	5	0.89
(2,851)	1:154:C:VAL:HG21	1:157:C:ALA:HB1	10	0.89
(2,850)	1:154:B:VAL:HG23	1:157:B:ALA:HB3	5	0.89
(2,850)	1:154:B:VAL:HG21	1:157:B:ALA:HB1	10	0.89
(2,849)	1:154:A:VAL:HG22	1:157:A:ALA:HB2	3	0.89
(2,849)	1:154:A:VAL:HG23	1:157:A:ALA:HB3	5	0.89
(2,849)	1:154:A:VAL:HG21	1:157:A:ALA:HB1	10	0.89
(1,494)	1:135:B:LEU:HD12	1:131:A:ILE:HB	19	0.89
(1,493)	1:135:A:LEU:HD12	1:131:D:ILE:HB	19	0.89
(1,462)	1:138:B:ILE:HD11	1:134:C:ARG:HA	2	0.89
(1,461)	1:138:A:ILE:HD11	1:134:B:ARG:HA	14	0.89
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	7	0.89
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	7	0.89
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	7	0.89
(1,265)	1:148:A:MET:HE1	1:148:B:MET:HG3	8	0.89
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG21	9	0.89
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG21	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:149:D:LEU:HD11	1:146:C:LEU:HB2	1	0.89
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	6	0.89
(1,236)	1:149:D:LEU:HD11	1:146:C:LEU:HB2	12	0.89
(1,236)	1:149:D:LEU:HD11	1:146:C:LEU:HB2	18	0.89
(1,235)	1:149:C:LEU:HD11	1:146:B:LEU:HB2	18	0.89
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	20	0.89
(1,234)	1:149:B:LEU:HD11	1:146:A:LEU:HB2	1	0.89
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	3	0.89
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	8	0.89
(1,234)	1:149:B:LEU:HD11	1:146:A:LEU:HB2	18	0.89
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	20	0.89
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	6	0.89
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	20	0.89
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	2	0.89
(1,81)	1:154:A:VAL:HG12	1:156:B:SER:HB2	7	0.89
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	4	0.89
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	7	0.88
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	17	0.88
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	7	0.88
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	17	0.88
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	7	0.88
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	17	0.88
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	7	0.88
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	1	0.88
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	1	0.88
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	1	0.88
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	2	0.88
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	2	0.88
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	2	0.88
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	7	0.88
(2,1238)	1:138:B:ILE:HG22	1:141:B:LYS:HB3	16	0.88
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	2	0.88
(2,851)	1:154:C:VAL:HG22	1:157:C:ALA:HB2	3	0.88
(2,850)	1:154:B:VAL:HG22	1:157:B:ALA:HB2	3	0.88
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	7	0.88
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	7	0.88
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	7	0.88
(1,495)	1:135:C:LEU:HD12	1:131:B:ILE:HB	19	0.88
(1,464)	1:138:D:ILE:HD11	1:134:A:ARG:HA	2	0.88
(1,462)	1:138:B:ILE:HD13	1:134:C:ARG:HA	7	0.88
(1,461)	1:138:A:ILE:HD11	1:134:B:ARG:HA	2	0.88
(1,461)	1:138:A:ILE:HD13	1:134:B:ARG:HA	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	19	0.88
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	19	0.88
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG21	9	0.88
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	2	0.88
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	20	0.88
(1,235)	1:149:C:LEU:HD11	1:146:B:LEU:HB2	1	0.88
(1,235)	1:149:C:LEU:HD11	1:146:B:LEU:HB2	12	0.88
(1,234)	1:149:B:LEU:HD11	1:146:A:LEU:HB2	12	0.88
(1,233)	1:149:A:LEU:HD11	1:146:D:LEU:HB2	1	0.88
(1,84)	1:154:D:VAL:HG12	1:156:A:SER:HB2	7	0.88
(1,83)	1:154:C:VAL:HG12	1:156:D:SER:HB2	7	0.88
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	4	0.88
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	4	0.88
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	17	0.87
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	8	0.87
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	8	0.87
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	8	0.87
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	8	0.87
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	7	0.87
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	7	0.87
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	7	0.87
(2,136)	1:153:D:VAL:HA	1:156:D:SER:HB2	8	0.87
(2,135)	1:153:C:VAL:HA	1:156:C:SER:HB2	8	0.87
(2,134)	1:153:B:VAL:HA	1:156:B:SER:HB2	8	0.87
(2,133)	1:153:A:VAL:HA	1:156:A:SER:HB2	8	0.87
(1,464)	1:138:D:ILE:HD11	1:134:A:ARG:HA	14	0.87
(1,463)	1:138:C:ILE:HD11	1:134:D:ARG:HA	2	0.87
(1,462)	1:138:B:ILE:HD11	1:134:C:ARG:HA	14	0.87
(1,415)	1:142:C:LEU:HD13	1:142:B:LEU:HD23	2	0.87
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	8	0.87
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	10	0.87
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG21	9	0.87
(1,233)	1:149:A:LEU:HD11	1:146:D:LEU:HB2	12	0.87
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	12	0.87
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	11	0.87
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	4	0.87
(1,2)	1:162:B:ALA:HB3	1:160:A:THR:HB	14	0.87
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	5	0.86
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	9	0.86
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	14	0.86
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	9	0.86
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	9	0.86
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	14	0.86
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	9	0.86
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	14	0.86
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	1	0.86
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	3	0.86
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	3	0.86
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	3	0.86
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	3	0.86
(2,1341)	1:144:A:GLU:HB2	1:146:B:LEU:HD21	17	0.86
(2,1008)	1:132:D:THR:HG23	1:135:D:LEU:HD13	9	0.86
(2,1006)	1:132:B:THR:HG23	1:135:B:LEU:HD13	9	0.86
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	7	0.86
(1,464)	1:138:D:ILE:HD13	1:134:A:ARG:HA	7	0.86
(1,463)	1:138:C:ILE:HD13	1:134:D:ARG:HA	7	0.86
(1,415)	1:142:C:LEU:HD11	1:142:B:LEU:HD21	16	0.86
(1,413)	1:142:A:LEU:HD11	1:142:D:LEU:HD21	16	0.86
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	7	0.86
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	7	0.86
(1,236)	1:149:D:LEU:HD11	1:146:C:LEU:HB2	9	0.86
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	15	0.86
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	7	0.86
(1,235)	1:149:C:LEU:HD11	1:146:B:LEU:HB2	9	0.86
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	19	0.86
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	7	0.86
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	15	0.86
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	19	0.86
(1,233)	1:149:A:LEU:HD11	1:146:D:LEU:HB2	9	0.86
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	12	0.86
(1,146)	1:152:B:LEU:HD23	1:148:C:MET:HB2	12	0.86
(1,4)	1:162:D:ALA:HB3	1:160:C:THR:HB	14	0.86
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	5	0.85
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	5	0.85
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	5	0.85
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	2	0.85
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	2	0.85
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	2	0.85
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	2	0.85
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	1	0.85
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	1	0.85
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	2	0.85
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	2	0.85
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	16	0.85
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	7	0.85
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	19	0.85
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	7	0.85
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	19	0.85
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	19	0.85
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	7	0.85
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	19	0.85
(2,1344)	1:144:D:GLU:HB2	1:146:A:LEU:HD21	17	0.85
(2,1007)	1:132:C:THR:HG23	1:135:C:LEU:HD13	9	0.85
(2,1005)	1:132:A:THR:HG23	1:135:A:LEU:HD13	9	0.85
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE3	12	0.85
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE3	12	0.85
(2,136)	1:153:D:VAL:HA	1:156:D:SER:HB2	13	0.85
(2,135)	1:153:C:VAL:HA	1:156:C:SER:HB2	13	0.85
(2,134)	1:153:B:VAL:HA	1:156:B:SER:HB2	13	0.85
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	11	0.85
(1,416)	1:142:D:LEU:HD11	1:142:C:LEU:HD21	16	0.85
(1,414)	1:142:B:LEU:HD11	1:142:A:LEU:HD21	16	0.85
(1,414)	1:142:B:LEU:HD13	1:142:A:LEU:HD22	20	0.85
(1,413)	1:142:A:LEU:HD13	1:142:D:LEU:HD23	2	0.85
(1,413)	1:142:A:LEU:HD13	1:142:D:LEU:HD22	20	0.85
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	8	0.85
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	10	0.85
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	10	0.85
(1,236)	1:149:D:LEU:HD13	1:146:C:LEU:HB2	13	0.85
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	19	0.85
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	13	0.85
(1,235)	1:149:C:LEU:HD13	1:146:B:LEU:HB2	15	0.85
(1,234)	1:149:B:LEU:HD13	1:146:A:LEU:HB2	13	0.85
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	7	0.85
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	15	0.85
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	19	0.85
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	5	0.85
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	5	0.85
(1,1)	1:162:A:ALA:HB3	1:160:D:THR:HB	14	0.85
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	17	0.84
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	17	0.84
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	2	0.84
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	6	0.84
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	16	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	2	0.84
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	6	0.84
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	16	0.84
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	6	0.84
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	16	0.84
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	6	0.84
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	16	0.84
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	16	0.84
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	16	0.84
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	16	0.84
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	12	0.84
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	12	0.84
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	7	0.84
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	12	0.84
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	12	0.84
(2,1343)	1:144:C:GLU:HB2	1:146:D:LEU:HD21	17	0.84
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD12	13	0.84
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD12	13	0.84
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE3	12	0.84
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE3	12	0.84
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB3	14	0.84
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB3	14	0.84
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB3	14	0.84
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB3	14	0.84
(2,133)	1:153:A:VAL:HA	1:156:A:SER:HB2	13	0.84
(1,623)	1:127:C:THR:HG21	1:127:D:THR:HA	2	0.84
(1,621)	1:127:A:THR:HG21	1:127:B:THR:HA	2	0.84
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	11	0.84
(1,493)	1:135:A:LEU:HD12	1:131:D:ILE:HB	20	0.84
(1,416)	1:142:D:LEU:HD13	1:142:C:LEU:HD22	20	0.84
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	8	0.84
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	8	0.84
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	10	0.84
(1,234)	1:149:B:LEU:HD11	1:146:A:LEU:HB2	9	0.84
(1,233)	1:149:A:LEU:HD13	1:146:D:LEU:HB2	13	0.84
(1,148)	1:152:D:LEU:HD23	1:148:A:MET:HB2	12	0.84
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	5	0.84
(1,3)	1:162:C:ALA:HB3	1:160:B:THR:HB	14	0.84
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	17	0.83
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	17	0.83
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	13	0.83
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	13	0.83
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	13	0.83
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD21	9	0.83
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	13	0.83
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD21	9	0.83
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	13	0.83
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD21	9	0.83
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	13	0.83
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD21	9	0.83
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	13	0.83
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD12	13	0.83
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD12	13	0.83
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB3	4	0.83
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB3	4	0.83
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	14	0.83
(1,495)	1:135:C:LEU:HD12	1:131:B:ILE:HB	20	0.83
(1,494)	1:135:B:LEU:HD12	1:131:A:ILE:HB	20	0.83
(1,415)	1:142:C:LEU:HD13	1:142:B:LEU:HD22	20	0.83
(1,414)	1:142:B:LEU:HD13	1:142:A:LEU:HD23	2	0.83
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	12	0.83
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	19	0.83
(1,236)	1:149:D:LEU:HD12	1:146:C:LEU:HB2	5	0.83
(1,235)	1:149:C:LEU:HD12	1:146:B:LEU:HB2	5	0.83
(1,234)	1:149:B:LEU:HD12	1:146:A:LEU:HB2	5	0.83
(1,233)	1:149:A:LEU:HD12	1:146:D:LEU:HB2	5	0.83
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	5	0.83
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	10	0.83
(1,14)	1:160:B:THR:HG22	1:160:C:THR:HB	9	0.83
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	11	0.82
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	19	0.82
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	11	0.82
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	19	0.82
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	11	0.82
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	19	0.82
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD21	20	0.82
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	11	0.82
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	19	0.82
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	10	0.82
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	11	0.82
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	10	0.82
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	11	0.82
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	10	0.82
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	11	0.82
(2,1342)	1:144:B:GLU:HB2	1:146:C:LEU:HD21	17	0.82
(2,1128)	1:138:D:ILE:HG22	1:142:D:LEU:HB3	18	0.82
(2,1127)	1:138:C:ILE:HG22	1:142:C:LEU:HB3	18	0.82
(2,1126)	1:138:B:ILE:HG22	1:142:B:LEU:HB3	18	0.82
(2,1125)	1:138:A:ILE:HG22	1:142:A:LEU:HB3	18	0.82
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG21	7	0.82
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG21	7	0.82
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG21	7	0.82
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	16	0.82
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB3	4	0.82
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	16	0.82
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	16	0.82
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB3	4	0.82
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	16	0.82
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	14	0.82
(1,415)	1:142:C:LEU:HD12	1:142:B:LEU:HD23	1	0.82
(1,414)	1:142:B:LEU:HD12	1:142:A:LEU:HD23	1	0.82
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	13	0.82
(1,395)	1:142:C:LEU:HD22	1:146:D:LEU:HG	9	0.82
(1,394)	1:142:B:LEU:HD22	1:146:C:LEU:HG	9	0.82
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	13	0.82
(1,328)	1:145:D:ILE:HG21	1:142:A:LEU:HB2	14	0.82
(1,326)	1:145:B:ILE:HG21	1:142:C:LEU:HB2	14	0.82
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	3	0.82
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	3	0.82
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	3	0.82
(1,297)	1:146:A:LEU:HD22	1:141:D:LYS:HE3	3	0.82
(1,82)	1:154:B:VAL:HG13	1:156:C:SER:HB2	19	0.82
(1,81)	1:154:A:VAL:HG13	1:156:B:SER:HB2	19	0.82
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	10	0.82
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD22	8	0.81
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD22	8	0.81
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD22	8	0.81
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD22	8	0.81
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	11	0.81
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	5	0.81
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD21	20	0.81
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	5	0.81
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD21	20	0.81
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	5	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	5	0.81
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD21	20	0.81
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	11	0.81
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG23	8	0.81
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG23	8	0.81
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG21	7	0.81
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG23	8	0.81
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG23	8	0.81
(1,522)	1:132:B:THR:HG23	1:132:A:THR:HA	6	0.81
(1,496)	1:135:D:LEU:HD12	1:131:C:ILE:HB	20	0.81
(1,416)	1:142:D:LEU:HD12	1:142:C:LEU:HD23	1	0.81
(1,416)	1:142:D:LEU:HD13	1:142:C:LEU:HD23	2	0.81
(1,396)	1:142:D:LEU:HD22	1:146:A:LEU:HG	9	0.81
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	13	0.81
(1,393)	1:142:A:LEU:HD22	1:146:B:LEU:HG	9	0.81
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	13	0.81
(1,84)	1:154:D:VAL:HG13	1:156:A:SER:HB2	19	0.81
(1,16)	1:160:D:THR:HG22	1:160:A:THR:HB	9	0.81
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG23	1	0.8
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG23	1	0.8
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	10	0.8
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	11	0.8
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	10	0.8
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	10	0.8
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	11	0.8
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	7	0.8
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	15	0.8
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	10	0.8
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	15	0.8
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	7	0.8
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	10	0.8
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	7	0.8
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	15	0.8
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD13	9	0.8
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE2	19	0.8
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE2	19	0.8
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE2	19	0.8
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE2	19	0.8
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG21	11	0.8
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG21	11	0.8
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG21	11	0.8
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG21	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:127:D:THR:HG21	1:127:A:THR:HA	2	0.8
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	11	0.8
(1,413)	1:142:A:LEU:HD12	1:142:D:LEU:HD23	1	0.8
(1,395)	1:142:C:LEU:HD23	1:146:D:LEU:HG	19	0.8
(1,394)	1:142:B:LEU:HD23	1:146:C:LEU:HG	19	0.8
(1,327)	1:145:C:ILE:HG21	1:142:D:LEU:HB2	14	0.8
(1,325)	1:145:A:ILE:HG21	1:142:B:LEU:HB2	14	0.8
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	12	0.8
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	19	0.8
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	12	0.8
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG23	1	0.79
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG23	1	0.79
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	10	0.79
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	11	0.79
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	10	0.79
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	7	0.79
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	15	0.79
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	10	0.79
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	9	0.79
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	9	0.79
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	9	0.79
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	9	0.79
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	17	0.79
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	17	0.79
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD13	9	0.79
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD13	9	0.79
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD13	9	0.79
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	15	0.79
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	15	0.79
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	15	0.79
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG21	10	0.79
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG21	13	0.79
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG21	10	0.79
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG21	13	0.79
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG21	10	0.79
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG21	10	0.79
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG21	13	0.79
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB1	18	0.79
(1,622)	1:127:B:THR:HG21	1:127:C:THR:HA	2	0.79
(1,396)	1:142:D:LEU:HD23	1:146:A:LEU:HG	19	0.79
(1,393)	1:142:A:LEU:HD23	1:146:B:LEU:HG	19	0.79
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:154:C:VAL:HG11	1:156:D:SER:HB2	3	0.79
(1,83)	1:154:C:VAL:HG13	1:156:D:SER:HB2	19	0.79
(1,82)	1:154:B:VAL:HG11	1:156:C:SER:HB2	3	0.79
(1,81)	1:154:A:VAL:HG11	1:156:B:SER:HB2	3	0.79
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	10	0.79
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	10	0.79
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	19	0.79
(1,6)	1:160:B:THR:HG23	1:159:C:PRO:HB2	19	0.79
(1,5)	1:160:A:THR:HG23	1:159:B:PRO:HB2	19	0.79
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	8	0.78
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	8	0.78
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	8	0.78
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	8	0.78
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB2	14	0.78
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB2	14	0.78
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	8	0.78
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	8	0.78
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	8	0.78
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	8	0.78
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	8	0.78
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	11	0.78
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	12	0.78
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	2	0.78
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	11	0.78
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	12	0.78
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	17	0.78
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	20	0.78
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	2	0.78
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	11	0.78
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	12	0.78
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	20	0.78
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	2	0.78
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	11	0.78
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	12	0.78
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	17	0.78
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	20	0.78
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	15	0.78
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE3	7	0.78
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE3	7	0.78
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE3	7	0.78
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE3	7	0.78
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG21	13	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB1	18	0.78
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB1	18	0.78
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	14	0.78
(1,524)	1:132:D:THR:HG23	1:132:C:THR:HA	6	0.78
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	11	0.78
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	4	0.78
(1,15)	1:160:C:THR:HG22	1:160:D:THR:HB	9	0.78
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG23	5	0.77
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	9	0.77
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	4	0.77
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	8	0.77
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	4	0.77
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	4	0.77
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	8	0.77
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	13	0.77
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	4	0.77
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	8	0.77
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	2	0.77
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	6	0.77
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	18	0.77
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	19	0.77
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	20	0.77
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	18	0.77
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	19	0.77
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	14	0.77
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	18	0.77
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	19	0.77
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	14	0.77
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	18	0.77
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	16	0.77
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	16	0.77
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG23	16	0.77
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG23	16	0.77
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG23	16	0.77
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG23	16	0.77
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB1	15	0.77
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB1	18	0.77
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB1	15	0.77
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	9	0.77
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	14	0.77
(1,623)	1:127:C:THR:HG21	1:127:D:THR:HA	19	0.77
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	4	0.77
(1,148)	1:152:D:LEU:HD21	1:148:A:MET:HB2	19	0.77
(1,146)	1:152:B:LEU:HD21	1:148:C:MET:HB2	19	0.77
(1,84)	1:154:D:VAL:HG11	1:156:A:SER:HB2	3	0.77
(1,11)	1:160:C:THR:HG21	1:160:D:THR:HA	5	0.77
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG23	5	0.76
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG23	5	0.76
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	5	0.76
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	9	0.76
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	9	0.76
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB2	14	0.76
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB2	14	0.76
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	9	0.76
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	12	0.76
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	12	0.76
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	12	0.76
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	12	0.76
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	4	0.76
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	4	0.76
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	13	0.76
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	20	0.76
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	13	0.76
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	20	0.76
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	20	0.76
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	13	0.76
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	20	0.76
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	3	0.76
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	14	0.76
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	16	0.76
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	6	0.76
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	14	0.76
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	3	0.76
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	6	0.76
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	3	0.76
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	6	0.76
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	19	0.76
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	16	0.76
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	16	0.76
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	9	0.76
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB2	5	0.76
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	9	0.76
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB2	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	9	0.76
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB1	15	0.76
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB2	5	0.76
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB1	15	0.76
(1,523)	1:132:C:THR:HG23	1:132:B:THR:HA	6	0.76
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	12	0.76
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	4	0.76
(1,145)	1:152:A:LEU:HD21	1:148:B:MET:HB2	19	0.76
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	19	0.76
(1,8)	1:160:D:THR:HG23	1:159:C:PRO:HB2	19	0.76
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG23	5	0.75
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	5	0.75
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	5	0.75
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	5	0.75
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	18	0.75
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	4	0.75
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	4	0.75
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	6	0.75
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	6	0.75
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	6	0.75
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	15	0.75
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	6	0.75
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG22	1	0.75
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	4	0.75
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	8	0.75
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	10	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	1	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG22	3	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	4	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	8	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	10	0.75
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	16	0.75
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG22	1	0.75
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	4	0.75
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	8	0.75
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	10	0.75
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	16	0.75
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG22	1	0.75
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	4	0.75
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	8	0.75
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	16	0.75
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB3	17	0.75
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	17	0.75
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	17	0.75
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	17	0.75
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG22	14	0.75
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG22	14	0.75
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB2	5	0.75
(1,621)	1:127:A:THR:HG21	1:127:B:THR:HA	19	0.75
(1,521)	1:132:A:THR:HG23	1:132:D:THR:HA	6	0.75
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	16	0.75
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	12	0.75
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	4	0.75
(1,13)	1:160:A:THR:HG22	1:160:B:THR:HB	9	0.75
(1,9)	1:160:A:THR:HG21	1:160:B:THR:HA	5	0.75
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	2	0.74
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	2	0.74
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	2	0.74
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	1	0.74
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	1	0.74
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	1	0.74
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	4	0.74
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	4	0.74
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	4	0.74
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	4	0.74
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	7	0.74
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	7	0.74
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	18	0.74
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	18	0.74
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD23	17	0.74
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD23	17	0.74
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD23	17	0.74
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	15	0.74
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	15	0.74
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	19	0.74
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	15	0.74
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	19	0.74
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	13	0.74
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	10	0.74
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	1	0.74
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	1	0.74
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	1	0.74
(2,1088)	1:148:D:MET:HB2	1:149:D:LEU:HD11	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1087)	1:148:C:MET:HB2	1:149:C:LEU:HD11	5	0.74
(2,1086)	1:148:B:MET:HB2	1:149:B:LEU:HD11	5	0.74
(2,1085)	1:148:A:MET:HB2	1:149:A:LEU:HD11	5	0.74
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB3	17	0.74
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB3	17	0.74
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB3	17	0.74
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	17	0.74
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	18	0.74
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	18	0.74
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	18	0.74
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	18	0.74
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG22	14	0.74
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG22	14	0.74
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	11	0.74
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	12	0.74
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	15	0.74
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	11	0.74
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	15	0.74
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	17	0.74
(1,147)	1:152:C:LEU:HD21	1:148:D:MET:HB2	19	0.74
(1,7)	1:160:C:THR:HG23	1:159:D:PRO:HB2	19	0.74
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	2	0.73
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	13	0.73
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	13	0.73
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	13	0.73
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	13	0.73
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	14	0.73
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	14	0.73
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	1	0.73
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	17	0.73
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	17	0.73
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	17	0.73
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	17	0.73
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	7	0.73
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	7	0.73
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	18	0.73
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD23	17	0.73
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	19	0.73
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	19	0.73
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	13	0.73
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	13	0.73
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	2	0.73
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	2	0.73
(2,1240)	1:138:D:ILE:HG23	1:141:D:LYS:HB3	1	0.73
(2,1239)	1:138:C:ILE:HG23	1:141:C:LYS:HB3	1	0.73
(2,1238)	1:138:B:ILE:HG23	1:141:B:LYS:HB3	1	0.73
(2,1237)	1:138:A:ILE:HG23	1:141:A:LYS:HB3	1	0.73
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	6	0.73
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	6	0.73
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	20	0.73
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	15	0.73
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	12	0.73
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	17	0.73
(1,118)	1:154:B:VAL:HG22	1:148:A:MET:HG3	17	0.73
(1,12)	1:160:D:THR:HG21	1:160:A:THR:HA	5	0.73
(1,11)	1:160:C:THR:HG22	1:160:D:THR:HA	14	0.73
(2,2216)	1:157:D:ALA:H	1:156:D:SER:HB2	8	0.72
(2,2216)	1:157:D:ALA:H	1:156:D:SER:HB2	13	0.72
(2,2215)	1:157:C:ALA:H	1:156:C:SER:HB2	8	0.72
(2,2215)	1:157:C:ALA:H	1:156:C:SER:HB2	13	0.72
(2,2214)	1:157:B:ALA:H	1:156:B:SER:HB2	8	0.72
(2,2214)	1:157:B:ALA:H	1:156:B:SER:HB2	13	0.72
(2,2213)	1:157:A:ALA:H	1:156:A:SER:HB2	13	0.72
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	8	0.72
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	8	0.72
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	8	0.72
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	8	0.72
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	11	0.72
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	5	0.72
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	12	0.72
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	5	0.72
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	12	0.72
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	5	0.72
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	12	0.72
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	12	0.72
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	2	0.72
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	3	0.72
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	6	0.72
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	6	0.72
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB1	5	0.72
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	7	0.72
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	7	0.72
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	3	0.72
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	12	0.72
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	3	0.72
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	12	0.72
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	3	0.72
(1,624)	1:127:D:THR:HG21	1:127:A:THR:HA	19	0.72
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	16	0.72
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	16	0.72
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	16	0.72
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	15	0.72
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	3	0.72
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	3	0.72
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	3	0.72
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	3	0.72
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	17	0.72
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	1	0.72
(1,146)	1:152:B:LEU:HD21	1:148:C:MET:HB2	7	0.72
(1,145)	1:152:A:LEU:HD21	1:148:B:MET:HB2	7	0.72
(1,119)	1:154:C:VAL:HG21	1:148:B:MET:HG3	12	0.72
(1,55)	1:155:C:ALA:HB2	1:152:D:LEU:HA	3	0.72
(1,54)	1:155:B:ALA:HB2	1:152:C:LEU:HA	3	0.72
(1,53)	1:155:A:ALA:HB2	1:152:B:LEU:HA	3	0.72
(1,26)	1:159:B:PRO:HD3	1:158:C:GLY:HA2	20	0.72
(1,9)	1:160:A:THR:HG22	1:160:B:THR:HA	14	0.72
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	11	0.71
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	11	0.71
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	4	0.71
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	11	0.71
(2,2213)	1:157:A:ALA:H	1:156:A:SER:HB2	8	0.71
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	11	0.71
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	11	0.71
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	11	0.71
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	7	0.71
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	7	0.71
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	19	0.71
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	7	0.71
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	7	0.71
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	19	0.71
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	5	0.71
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	2	0.71
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	3	0.71
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	3	0.71
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB1	5	0.71
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB1	5	0.71
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB1	5	0.71
(2,820)	1:137:D:ARG:HG2	1:141:D:LYS:HG3	3	0.71
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG22	3	0.71
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG22	3	0.71
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	7	0.71
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	3	0.71
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	4	0.71
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	12	0.71
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	12	0.71
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	5	0.71
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	7	0.71
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	8	0.71
(2,296)	1:145:D:ILE:HD13	1:145:D:ILE:HA	19	0.71
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	5	0.71
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	7	0.71
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	8	0.71
(2,295)	1:145:C:ILE:HD13	1:145:C:ILE:HA	19	0.71
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	5	0.71
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	7	0.71
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	8	0.71
(2,294)	1:145:B:ILE:HD13	1:145:B:ILE:HA	19	0.71
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	5	0.71
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	7	0.71
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	8	0.71
(2,293)	1:145:A:ILE:HD13	1:145:A:ILE:HA	19	0.71
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	20	0.71
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	20	0.71
(1,493)	1:135:A:LEU:HD11	1:131:D:ILE:HB	18	0.71
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	2	0.71
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	16	0.71
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	1	0.71
(1,297)	1:146:A:LEU:HD22	1:141:D:LYS:HE3	1	0.71
(1,148)	1:152:D:LEU:HD21	1:148:A:MET:HB2	7	0.71
(1,147)	1:152:C:LEU:HD21	1:148:D:MET:HB2	7	0.71
(1,117)	1:154:A:VAL:HG22	1:148:D:MET:HG3	17	0.71
(1,56)	1:155:D:ALA:HB2	1:152:A:LEU:HA	3	0.71
(1,28)	1:159:D:PRO:HD3	1:158:A:GLY:HA2	20	0.71
(1,27)	1:159:C:PRO:HD3	1:158:D:GLY:HA2	20	0.71
(1,25)	1:159:A:PRO:HD3	1:158:B:GLY:HA2	20	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	19	0.71
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	4	0.7
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	11	0.7
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	15	0.7
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	15	0.7
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	15	0.7
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	19	0.7
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	19	0.7
(2,1248)	1:137:D:ARG:HG2	1:141:D:LYS:HE2	16	0.7
(2,1247)	1:137:C:ARG:HG2	1:141:C:LYS:HE2	16	0.7
(2,1246)	1:137:B:ARG:HG2	1:141:B:LYS:HE2	16	0.7
(2,1245)	1:137:A:ARG:HG2	1:141:A:LYS:HE2	16	0.7
(2,819)	1:137:C:ARG:HG2	1:141:C:LYS:HG3	3	0.7
(2,818)	1:137:B:ARG:HG2	1:141:B:LYS:HG3	3	0.7
(2,817)	1:137:A:ARG:HG2	1:141:A:LYS:HG3	3	0.7
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	4	0.7
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	4	0.7
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	4	0.7
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	4	0.7
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG21	18	0.7
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG22	3	0.7
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG22	3	0.7
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG23	4	0.7
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG22	20	0.7
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG22	20	0.7
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	4	0.7
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	4	0.7
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	4	0.7
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	12	0.7
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	12	0.7
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	12	0.7
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	12	0.7
(2,296)	1:145:D:ILE:HD13	1:145:D:ILE:HA	9	0.7
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	10	0.7
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	11	0.7
(2,295)	1:145:C:ILE:HD13	1:145:C:ILE:HA	9	0.7
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	10	0.7
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	11	0.7
(2,294)	1:145:B:ILE:HD13	1:145:B:ILE:HA	9	0.7
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	10	0.7
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	11	0.7
(2,293)	1:145:A:ILE:HD13	1:145:A:ILE:HA	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	10	0.7
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	11	0.7
(1,496)	1:135:D:LEU:HD11	1:131:C:ILE:HB	18	0.7
(1,493)	1:135:A:LEU:HD12	1:131:D:ILE:HB	4	0.7
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	17	0.7
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	16	0.7
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	1	0.7
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	2	0.7
(1,120)	1:154:D:VAL:HG22	1:148:C:MET:HG3	17	0.7
(1,104)	1:153:D:VAL:HG23	1:152:C:LEU:HB3	7	0.7
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	19	0.7
(1,10)	1:160:B:THR:HG21	1:160:C:THR:HA	5	0.7
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	5	0.69
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	4	0.69
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	5	0.69
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	4	0.69
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	5	0.69
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	5	0.69
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	13	0.69
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	10	0.69
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	10	0.69
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	10	0.69
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	14	0.69
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	14	0.69
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	18	0.69
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	18	0.69
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	18	0.69
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	18	0.69
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD22	4	0.69
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD21	14	0.69
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD22	4	0.69
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD21	14	0.69
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD22	4	0.69
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD22	4	0.69
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	7	0.69
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	7	0.69
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	7	0.69
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	7	0.69
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	7	0.69
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	9	0.69
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	7	0.69
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	7	0.69
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	9	0.69
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	7	0.69
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	20	0.69
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	20	0.69
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	2	0.69
(2,1228)	1:144:D:GLU:HG2	1:144:D:GLU:HA	17	0.69
(2,1227)	1:144:C:GLU:HG2	1:144:C:GLU:HA	17	0.69
(2,1226)	1:144:B:GLU:HG2	1:144:B:GLU:HA	17	0.69
(2,1225)	1:144:A:GLU:HG2	1:144:A:GLU:HA	17	0.69
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG23	4	0.69
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG23	5	0.69
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG22	20	0.69
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG23	4	0.69
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG23	5	0.69
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG21	18	0.69
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG22	20	0.69
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG23	5	0.69
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG21	18	0.69
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG23	4	0.69
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG23	5	0.69
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG21	18	0.69
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	2	0.69
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	2	0.69
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	2	0.69
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	2	0.69
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	6	0.69
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	13	0.69
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	15	0.69
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	16	0.69
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	1	0.69
(2,295)	1:145:C:ILE:HD13	1:145:C:ILE:HA	2	0.69
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	6	0.69
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	13	0.69
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	15	0.69
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	16	0.69
(2,294)	1:145:B:ILE:HD13	1:145:B:ILE:HA	2	0.69
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	6	0.69
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	13	0.69
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	15	0.69
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	16	0.69
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	13	0.69
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	15	0.69
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	2	0.69
(1,496)	1:135:D:LEU:HD12	1:131:C:ILE:HB	4	0.69
(1,495)	1:135:C:LEU:HD12	1:131:B:ILE:HB	4	0.69
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	2	0.69
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	2	0.69
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	16	0.69
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	16	0.69
(1,120)	1:154:D:VAL:HG21	1:148:C:MET:HG3	12	0.69
(1,119)	1:154:C:VAL:HG22	1:148:B:MET:HG3	17	0.69
(1,103)	1:153:C:VAL:HG23	1:152:B:LEU:HB3	7	0.69
(1,102)	1:153:B:VAL:HG23	1:152:A:LEU:HB3	7	0.69
(1,101)	1:153:A:VAL:HG23	1:152:D:LEU:HB3	7	0.69
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD11	6	0.68
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD11	6	0.68
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	7	0.68
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	7	0.68
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	13	0.68
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	7	0.68
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	13	0.68
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	17	0.68
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	7	0.68
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	17	0.68
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	10	0.68
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	15	0.68
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	5	0.68
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	9	0.68
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	5	0.68
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	9	0.68
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	5	0.68
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	9	0.68
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	5	0.68
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	9	0.68
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD21	14	0.68
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD21	14	0.68
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG21	15	0.68
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG21	15	0.68
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG21	15	0.68
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	5	0.68
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG23	9	0.68
(2,1717)	1:151:A:THR:H	1:151:A:THR:HG21	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	6	0.68
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	20	0.68
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	2	0.68
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	6	0.68
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	20	0.68
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	6	0.68
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	17	0.68
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	17	0.68
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	17	0.68
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	17	0.68
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD11	13	0.68
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	20	0.68
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	20	0.68
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	20	0.68
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	20	0.68
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB1	1	0.68
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB1	1	0.68
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	1	0.68
(2,296)	1:145:D:ILE:HD13	1:145:D:ILE:HA	2	0.68
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	20	0.68
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	20	0.68
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	1	0.68
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	1	0.68
(2,293)	1:145:A:ILE:HD13	1:145:A:ILE:HA	2	0.68
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	6	0.68
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	16	0.68
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	20	0.68
(1,624)	1:127:D:THR:HG21	1:127:A:THR:HA	4	0.68
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	2	0.68
(1,495)	1:135:C:LEU:HD11	1:131:B:ILE:HB	18	0.68
(1,494)	1:135:B:LEU:HD11	1:131:A:ILE:HB	18	0.68
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	4	0.68
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	4	0.68
(1,118)	1:154:B:VAL:HG21	1:148:A:MET:HG3	12	0.68
(1,117)	1:154:A:VAL:HG21	1:148:D:MET:HG3	12	0.68
(1,27)	1:159:C:PRO:HD3	1:158:B:GLY:HA2	15	0.68
(1,12)	1:160:D:THR:HG22	1:160:A:THR:HA	14	0.68
(1,10)	1:160:B:THR:HG22	1:160:C:THR:HA	14	0.68
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD11	6	0.67
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD11	6	0.67
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	13	0.67
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	9	0.67
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	17	0.67
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	9	0.67
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	15	0.67
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB1	16	0.67
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB1	16	0.67
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB1	16	0.67
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	13	0.67
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	13	0.67
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	13	0.67
(2,1944)	1:143:D:SER:H	1:142:D:LEU:HD21	18	0.67
(2,1943)	1:143:C:SER:H	1:142:C:LEU:HD21	18	0.67
(2,1942)	1:143:B:SER:H	1:142:B:LEU:HD21	18	0.67
(2,1941)	1:143:A:SER:H	1:142:A:LEU:HD21	18	0.67
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD12	13	0.67
(2,1719)	1:151:C:THR:H	1:151:C:THR:HG23	5	0.67
(2,1718)	1:151:B:THR:H	1:151:B:THR:HG23	5	0.67
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	2	0.67
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	2	0.67
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	6	0.67
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	2	0.67
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	2	0.67
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	4	0.67
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	18	0.67
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	2	0.67
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	2	0.67
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	6	0.67
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG11	18	0.67
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG11	18	0.67
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG11	18	0.67
(2,1080)	1:131:D:ILE:HD11	1:127:D:THR:HB	7	0.67
(2,1078)	1:131:B:ILE:HD11	1:127:B:THR:HB	7	0.67
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG22	2	0.67
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG22	6	0.67
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG23	9	0.67
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG22	2	0.67
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG22	6	0.67
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG23	9	0.67
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG22	2	0.67
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG22	6	0.67
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG22	2	0.67
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG22	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB1	1	0.67
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB3	17	0.67
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB1	1	0.67
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB3	17	0.67
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	4	0.67
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	4	0.67
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	4	0.67
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	4	0.67
(2,296)	1:145:D:ILE:HD13	1:145:D:ILE:HA	12	0.67
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	18	0.67
(2,295)	1:145:C:ILE:HD13	1:145:C:ILE:HA	12	0.67
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	18	0.67
(2,294)	1:145:B:ILE:HD13	1:145:B:ILE:HA	12	0.67
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	18	0.67
(2,293)	1:145:A:ILE:HD13	1:145:A:ILE:HA	12	0.67
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	18	0.67
(1,622)	1:127:B:THR:HG21	1:127:C:THR:HA	4	0.67
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	20	0.67
(1,518)	1:132:B:THR:HG22	1:135:A:LEU:HG	1	0.67
(1,494)	1:135:B:LEU:HD12	1:131:A:ILE:HB	4	0.67
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	4	0.67
(1,28)	1:159:D:PRO:HD3	1:158:C:GLY:HA2	15	0.67
(1,25)	1:159:A:PRO:HD3	1:158:D:GLY:HA2	15	0.67
(1,8)	1:160:D:THR:HG21	1:159:C:PRO:HB2	12	0.67
(1,6)	1:160:B:THR:HG21	1:159:A:PRO:HB2	12	0.67
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	9	0.66
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	15	0.66
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	15	0.66
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	9	0.66
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	15	0.66
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	17	0.66
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	17	0.66
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	17	0.66
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	17	0.66
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	18	0.66
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	19	0.66
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	18	0.66
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	19	0.66
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	18	0.66
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	19	0.66
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB1	16	0.66
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	3	0.66
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	8	0.66
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	16	0.66
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	2	0.66
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	3	0.66
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	2	0.66
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	3	0.66
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	13	0.66
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD12	13	0.66
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD12	13	0.66
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD12	13	0.66
(2,1720)	1:151:D:THR:H	1:151:D:THR:HG23	5	0.66
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	1	0.66
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	1	0.66
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	1	0.66
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	16	0.66
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	1	0.66
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD11	13	0.66
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD11	13	0.66
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	15	0.66
(2,1292)	1:153:D:VAL:HG13	1:148:C:MET:HG3	5	0.66
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	7	0.66
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	7	0.66
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	4	0.66
(2,1290)	1:153:B:VAL:HG13	1:148:A:MET:HG3	5	0.66
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	7	0.66
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	18	0.66
(2,1289)	1:153:A:VAL:HG13	1:148:D:MET:HG3	5	0.66
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	18	0.66
(2,1246)	1:137:B:ARG:HG2	1:141:B:LYS:HE2	13	0.66
(2,1245)	1:137:A:ARG:HG2	1:141:A:LYS:HE2	13	0.66
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG13	3	0.66
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG13	3	0.66
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG13	3	0.66
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG11	18	0.66
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG13	3	0.66
(2,1079)	1:131:C:ILE:HD11	1:127:C:THR:HB	7	0.66
(2,1077)	1:131:A:ILE:HD11	1:127:A:THR:HB	7	0.66
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	3	0.66
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG21	15	0.66
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	3	0.66
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG21	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	3	0.66
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG21	15	0.66
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	3	0.66
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG21	15	0.66
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	18	0.66
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG21	15	0.66
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG23	9	0.66
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG23	9	0.66
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	3	0.66
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB3	6	0.66
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB1	12	0.66
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB3	17	0.66
(2,712)	1:154:D:VAL:HG13	1:157:D:ALA:HB2	20	0.66
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	3	0.66
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB1	12	0.66
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	3	0.66
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB3	6	0.66
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB1	12	0.66
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB3	17	0.66
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	3	0.66
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB1	12	0.66
(2,709)	1:154:A:VAL:HG13	1:157:A:ALA:HB2	20	0.66
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	16	0.66
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	16	0.66
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	16	0.66
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	8	0.66
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	8	0.66
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	8	0.66
(2,512)	1:131:D:ILE:HD12	1:131:D:ILE:HA	13	0.66
(2,511)	1:131:C:ILE:HD12	1:131:C:ILE:HA	13	0.66
(2,510)	1:131:B:ILE:HD12	1:131:B:ILE:HA	13	0.66
(2,509)	1:131:A:ILE:HD12	1:131:A:ILE:HA	13	0.66
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	3	0.66
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	3	0.66
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	3	0.66
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	3	0.66
(2,296)	1:145:D:ILE:HD12	1:145:D:ILE:HA	3	0.66
(2,296)	1:145:D:ILE:HD13	1:145:D:ILE:HA	14	0.66
(2,295)	1:145:C:ILE:HD12	1:145:C:ILE:HA	3	0.66
(2,295)	1:145:C:ILE:HD13	1:145:C:ILE:HA	14	0.66
(2,294)	1:145:B:ILE:HD12	1:145:B:ILE:HA	3	0.66
(2,294)	1:145:B:ILE:HD13	1:145:B:ILE:HA	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,293)	1:145:A:ILE:HD12	1:145:A:ILE:HA	3	0.66
(2,293)	1:145:A:ILE:HD13	1:145:A:ILE:HA	14	0.66
(1,622)	1:127:B:THR:HG21	1:127:C:THR:HA	19	0.66
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	2	0.66
(1,519)	1:132:C:THR:HG22	1:135:B:LEU:HG	1	0.66
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	10	0.66
(1,26)	1:159:B:PRO:HD3	1:158:A:GLY:HA2	15	0.66
(1,7)	1:160:C:THR:HG21	1:159:B:PRO:HB2	12	0.66
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	10	0.65
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	10	0.65
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	10	0.65
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	18	0.65
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	7	0.65
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	7	0.65
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	7	0.65
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	7	0.65
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	4	0.65
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	4	0.65
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	4	0.65
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	18	0.65
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	19	0.65
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	1	0.65
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	2	0.65
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	8	0.65
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	10	0.65
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	11	0.65
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	16	0.65
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	1	0.65
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	2	0.65
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	10	0.65
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	11	0.65
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	1	0.65
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	8	0.65
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	10	0.65
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	11	0.65
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	16	0.65
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	1	0.65
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	8	0.65
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	10	0.65
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	11	0.65
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	16	0.65
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB1	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD13	9	0.65
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	3	0.65
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	16	0.65
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	16	0.65
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	16	0.65
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD11	13	0.65
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	14	0.65
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	15	0.65
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	15	0.65
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	4	0.65
(2,1291)	1:153:C:VAL:HG13	1:148:B:MET:HG3	5	0.65
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	6	0.65
(2,1291)	1:153:C:VAL:HG13	1:148:B:MET:HG3	9	0.65
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	6	0.65
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	7	0.65
(2,1248)	1:137:D:ARG:HG2	1:141:D:LYS:HE2	13	0.65
(2,1247)	1:137:C:ARG:HG2	1:141:C:LYS:HE2	2	0.65
(2,1247)	1:137:C:ARG:HG2	1:141:C:LYS:HE2	13	0.65
(2,1245)	1:137:A:ARG:HG2	1:141:A:LYS:HE2	2	0.65
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG23	12	0.65
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	18	0.65
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG23	12	0.65
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	18	0.65
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG23	12	0.65
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	18	0.65
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG23	12	0.65
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB3	3	0.65
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG22	12	0.65
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG23	16	0.65
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG22	12	0.65
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG21	15	0.65
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG23	16	0.65
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG21	15	0.65
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG23	16	0.65
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG22	1	0.65
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG21	15	0.65
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG23	16	0.65
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB3	6	0.65
(2,711)	1:154:C:VAL:HG13	1:157:C:ALA:HB2	20	0.65
(2,710)	1:154:B:VAL:HG13	1:157:B:ALA:HB2	20	0.65
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB3	6	0.65
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	18	0.65
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	18	0.65
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	18	0.65
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	18	0.65
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	8	0.65
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	13	0.65
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	13	0.65
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	13	0.65
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	10	0.65
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB1	13	0.65
(2,440)	1:135:D:LEU:HD12	1:135:D:LEU:HA	13	0.65
(2,439)	1:135:C:LEU:HD12	1:135:C:LEU:HA	13	0.65
(2,438)	1:135:B:LEU:HD12	1:135:B:LEU:HA	13	0.65
(2,437)	1:135:A:LEU:HD12	1:135:A:LEU:HA	13	0.65
(1,623)	1:127:C:THR:HG21	1:127:D:THR:HA	4	0.65
(1,356)	1:145:D:ILE:HD12	1:141:C:LYS:HD3	3	0.65
(1,8)	1:160:D:THR:HG22	1:159:C:PRO:HB2	1	0.65
(1,6)	1:160:B:THR:HG22	1:159:A:PRO:HB2	1	0.65
(1,5)	1:160:A:THR:HG22	1:159:D:PRO:HB2	1	0.65
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD13	4	0.64
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	10	0.64
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	19	0.64
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	9	0.64
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	9	0.64
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	9	0.64
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	9	0.64
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB2	6	0.64
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB2	6	0.64
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB2	6	0.64
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	4	0.64
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	6	0.64
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	20	0.64
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	6	0.64
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	20	0.64
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	6	0.64
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	20	0.64
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	6	0.64
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	20	0.64
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB1	8	0.64
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD13	9	0.64
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD13	9	0.64
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD13	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	3	0.64
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	3	0.64
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	3	0.64
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	11	0.64
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	14	0.64
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	20	0.64
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	1	0.64
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	14	0.64
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	20	0.64
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	6	0.64
(2,1292)	1:153:D:VAL:HG13	1:148:C:MET:HG3	9	0.64
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	20	0.64
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	18	0.64
(2,1290)	1:153:B:VAL:HG13	1:148:A:MET:HG3	9	0.64
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	4	0.64
(2,1289)	1:153:A:VAL:HG13	1:148:D:MET:HG3	9	0.64
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	16	0.64
(2,1248)	1:137:D:ARG:HG2	1:141:D:LYS:HE2	2	0.64
(2,1246)	1:137:B:ARG:HG2	1:141:B:LYS:HE2	2	0.64
(2,1127)	1:138:C:ILE:HG21	1:142:C:LEU:HB3	4	0.64
(2,1126)	1:138:B:ILE:HG21	1:142:B:LEU:HB3	4	0.64
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB3	3	0.64
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB3	3	0.64
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB3	3	0.64
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	14	0.64
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	14	0.64
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	14	0.64
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	14	0.64
(2,720)	1:152:D:LEU:HD22	1:151:D:THR:HG22	1	0.64
(2,720)	1:152:D:LEU:HD23	1:151:D:THR:HG21	19	0.64
(2,719)	1:152:C:LEU:HD22	1:151:C:THR:HG22	1	0.64
(2,719)	1:152:C:LEU:HD23	1:151:C:THR:HG21	19	0.64
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG22	1	0.64
(2,718)	1:152:B:LEU:HD22	1:151:B:THR:HG22	12	0.64
(2,718)	1:152:B:LEU:HD23	1:151:B:THR:HG21	19	0.64
(2,717)	1:152:A:LEU:HD22	1:151:A:THR:HG22	12	0.64
(2,712)	1:154:D:VAL:HG11	1:157:D:ALA:HB2	7	0.64
(2,711)	1:154:C:VAL:HG11	1:157:C:ALA:HB2	7	0.64
(2,710)	1:154:B:VAL:HG11	1:157:B:ALA:HB2	7	0.64
(2,709)	1:154:A:VAL:HG11	1:157:A:ALA:HB2	7	0.64
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB1	10	0.64
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB1	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB1	10	0.64
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	13	0.64
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	13	0.64
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	13	0.64
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	13	0.64
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	20	0.64
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	20	0.64
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	20	0.64
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	20	0.64
(1,524)	1:132:D:THR:HG23	1:132:C:THR:HA	9	0.64
(1,495)	1:135:C:LEU:HD13	1:131:B:ILE:HB	17	0.64
(1,394)	1:142:B:LEU:HD23	1:146:C:LEU:HG	2	0.64
(1,355)	1:145:C:ILE:HD12	1:141:B:LYS:HD3	3	0.64
(1,354)	1:145:B:ILE:HD12	1:141:A:LYS:HD3	3	0.64
(1,353)	1:145:A:ILE:HD12	1:141:D:LYS:HD3	3	0.64
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	4	0.64
(1,119)	1:154:C:VAL:HG23	1:148:B:MET:HG3	19	0.64
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	8	0.64
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	10	0.64
(1,5)	1:160:A:THR:HG21	1:159:D:PRO:HB2	12	0.64
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD13	4	0.63
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD13	4	0.63
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD13	4	0.63
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD11	13	0.63
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	18	0.63
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	19	0.63
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	18	0.63
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	19	0.63
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	18	0.63
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	19	0.63
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	5	0.63
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	5	0.63
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	5	0.63
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	2	0.63
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	2	0.63
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	2	0.63
(2,2090)	1:136:B:ASP:H	1:133:B:ALA:HB3	20	0.63
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB2	6	0.63
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	15	0.63
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	15	0.63
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	15	0.63
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB1	8	0.63
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB1	8	0.63
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	17	0.63
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	18	0.63
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	17	0.63
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	18	0.63
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	17	0.63
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	18	0.63
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	17	0.63
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	18	0.63
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	15	0.63
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD23	19	0.63
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	20	0.63
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	11	0.63
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	15	0.63
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD23	6	0.63
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	14	0.63
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD23	19	0.63
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	11	0.63
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD23	18	0.63
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	16	0.63
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	16	0.63
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	20	0.63
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	16	0.63
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	20	0.63
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	20	0.63
(2,1247)	1:137:C:ARG:HG2	1:141:C:LYS:HE2	1	0.63
(2,1128)	1:138:D:ILE:HG21	1:142:D:LEU:HB3	4	0.63
(2,1125)	1:138:A:ILE:HG21	1:142:A:LEU:HB3	4	0.63
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	8	0.63
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	8	0.63
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	8	0.63
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	8	0.63
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	3	0.63
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	17	0.63
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	3	0.63
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	3	0.63
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	3	0.63
(2,720)	1:152:D:LEU:HD21	1:151:D:THR:HG23	17	0.63
(2,719)	1:152:C:LEU:HD21	1:151:C:THR:HG23	17	0.63
(2,718)	1:152:B:LEU:HD21	1:151:B:THR:HG23	17	0.63
(2,717)	1:152:A:LEU:HD21	1:151:A:THR:HG23	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:152:A:LEU:HD23	1:151:A:THR:HG21	19	0.63
(1,621)	1:127:A:THR:HG21	1:127:B:THR:HA	4	0.63
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	2	0.63
(1,520)	1:132:D:THR:HG22	1:135:C:LEU:HG	1	0.63
(1,517)	1:132:A:THR:HG22	1:135:D:LEU:HG	1	0.63
(1,496)	1:135:D:LEU:HD13	1:131:C:ILE:HB	17	0.63
(1,494)	1:135:B:LEU:HD13	1:131:A:ILE:HB	17	0.63
(1,493)	1:135:A:LEU:HD13	1:131:D:ILE:HB	17	0.63
(1,413)	1:142:A:LEU:HD12	1:142:D:LEU:HD21	3	0.63
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	14	0.63
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	15	0.63
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	15	0.63
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	15	0.63
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	11	0.63
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	8	0.63
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD11	13	0.62
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD11	13	0.62
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD11	13	0.62
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	10	0.62
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	3	0.62
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	5	0.62
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	3	0.62
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	3	0.62
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	2	0.62
(2,2092)	1:136:D:ASP:H	1:133:D:ALA:HB3	20	0.62
(2,2091)	1:136:C:ASP:H	1:133:C:ALA:HB3	20	0.62
(2,2040)	1:146:D:LEU:H	1:145:D:ILE:HG12	14	0.62
(2,2039)	1:146:C:LEU:H	1:145:C:ILE:HG12	14	0.62
(2,2038)	1:146:B:LEU:H	1:145:B:ILE:HG12	14	0.62
(2,2037)	1:146:A:LEU:H	1:145:A:ILE:HG12	14	0.62
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG21	12	0.62
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG21	12	0.62
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG21	12	0.62
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	13	0.62
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	8	0.62
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	8	0.62
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG12	13	0.62
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	8	0.62
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG12	13	0.62
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	15	0.62
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	15	0.62
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD23	1	0.62
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	15	0.62
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	20	0.62
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD23	1	0.62
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	15	0.62
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	20	0.62
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	15	0.62
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	20	0.62
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD23	1	0.62
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	20	0.62
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD23	6	0.62
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD23	18	0.62
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD23	18	0.62
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	20	0.62
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	2	0.62
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	8	0.62
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	11	0.62
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD23	6	0.62
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	14	0.62
(2,1248)	1:137:D:ARG:HG2	1:141:D:LYS:HE2	1	0.62
(2,1246)	1:137:B:ARG:HG2	1:141:B:LYS:HE2	1	0.62
(2,1245)	1:137:A:ARG:HG2	1:141:A:LYS:HE2	1	0.62
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG21	17	0.62
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG21	17	0.62
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG21	17	0.62
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG21	17	0.62
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	17	0.62
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	17	0.62
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	17	0.62
(2,712)	1:154:D:VAL:HG12	1:157:D:ALA:HB2	19	0.62
(2,711)	1:154:C:VAL:HG12	1:157:C:ALA:HB2	19	0.62
(2,710)	1:154:B:VAL:HG12	1:157:B:ALA:HB2	19	0.62
(2,709)	1:154:A:VAL:HG12	1:157:A:ALA:HB2	19	0.62
(2,512)	1:131:D:ILE:HD11	1:131:D:ILE:HA	8	0.62
(2,511)	1:131:C:ILE:HD11	1:131:C:ILE:HA	8	0.62
(2,510)	1:131:B:ILE:HD11	1:131:B:ILE:HA	8	0.62
(2,509)	1:131:A:ILE:HD11	1:131:A:ILE:HA	8	0.62
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	1	0.62
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	1	0.62
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	1	0.62
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	16	0.62
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	17	0.62
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	17	0.62
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	17	0.62
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	17	0.62
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	3	0.62
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	3	0.62
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	17	0.62
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	3	0.62
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	17	0.62
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	3	0.62
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	17	0.62
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	7	0.62
(1,522)	1:132:B:THR:HG23	1:132:A:THR:HA	9	0.62
(1,416)	1:142:D:LEU:HD12	1:142:C:LEU:HD21	3	0.62
(1,415)	1:142:C:LEU:HD12	1:142:B:LEU:HD21	3	0.62
(1,414)	1:142:B:LEU:HD12	1:142:A:LEU:HD21	3	0.62
(1,396)	1:142:D:LEU:HD23	1:146:A:LEU:HG	2	0.62
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	16	0.62
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	16	0.62
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	16	0.62
(1,393)	1:142:A:LEU:HD23	1:146:B:LEU:HG	2	0.62
(1,393)	1:142:A:LEU:HD23	1:146:B:LEU:HG	6	0.62
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	16	0.62
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	7	0.62
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	13	0.62
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	15	0.62
(1,183)	1:142:C:LEU:HD21	1:138:B:ILE:HA	4	0.62
(1,181)	1:142:A:LEU:HD21	1:138:D:ILE:HA	4	0.62
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	11	0.62
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	11	0.62
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	11	0.62
(1,117)	1:154:A:VAL:HG23	1:148:D:MET:HG3	19	0.62
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	10	0.62
(1,80)	1:153:D:VAL:HG11	1:154:C:VAL:HB	13	0.62
(1,79)	1:153:C:VAL:HG11	1:154:B:VAL:HB	13	0.62
(1,78)	1:153:B:VAL:HG11	1:154:A:VAL:HB	13	0.62
(1,7)	1:160:C:THR:HG22	1:159:B:PRO:HB2	1	0.62
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	10	0.61
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	10	0.61
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	10	0.61
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	10	0.61
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD11	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	10	0.61
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	10	0.61
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	10	0.61
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	15	0.61
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	15	0.61
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	3	0.61
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	15	0.61
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	15	0.61
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	20	0.61
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	20	0.61
(2,2089)	1:136:A:ASP:H	1:133:A:ALA:HB3	20	0.61
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG21	12	0.61
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG12	13	0.61
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	20	0.61
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	20	0.61
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	20	0.61
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	20	0.61
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	2	0.61
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD23	6	0.61
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD23	16	0.61
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	2	0.61
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD23	6	0.61
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD23	1	0.61
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	2	0.61
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD23	6	0.61
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	2	0.61
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD23	6	0.61
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	15	0.61
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	1	0.61
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	2	0.61
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	1	0.61
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD23	6	0.61
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	13	0.61
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	1	0.61
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD23	7	0.61
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD23	18	0.61
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	2	0.61
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	1	0.61
(2,1292)	1:153:D:VAL:HG13	1:148:C:MET:HG3	15	0.61
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	1	0.61
(2,1291)	1:153:C:VAL:HG13	1:148:B:MET:HG3	15	0.61
(2,1291)	1:153:C:VAL:HG13	1:148:B:MET:HG3	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	1	0.61
(2,1290)	1:153:B:VAL:HG13	1:148:A:MET:HG3	15	0.61
(2,1289)	1:153:A:VAL:HG13	1:148:D:MET:HG3	15	0.61
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG13	20	0.61
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG13	20	0.61
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG13	20	0.61
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	1	0.61
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	6	0.61
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	1	0.61
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	6	0.61
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	1	0.61
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	6	0.61
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	1	0.61
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	12	0.61
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	12	0.61
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	12	0.61
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	12	0.61
(2,512)	1:131:D:ILE:HD11	1:131:D:ILE:HA	10	0.61
(2,511)	1:131:C:ILE:HD11	1:131:C:ILE:HA	10	0.61
(2,510)	1:131:B:ILE:HD11	1:131:B:ILE:HA	10	0.61
(2,509)	1:131:A:ILE:HD11	1:131:A:ILE:HA	10	0.61
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	16	0.61
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	16	0.61
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	1	0.61
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	16	0.61
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	16	0.61
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	1	0.61
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	16	0.61
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	1	0.61
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	16	0.61
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	1	0.61
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	1	0.61
(2,320)	1:142:D:LEU:HD22	1:142:D:LEU:HA	9	0.61
(2,320)	1:142:D:LEU:HD23	1:142:D:LEU:HA	10	0.61
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	13	0.61
(2,320)	1:142:D:LEU:HD23	1:142:D:LEU:HA	19	0.61
(2,319)	1:142:C:LEU:HD23	1:142:C:LEU:HA	10	0.61
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	13	0.61
(2,319)	1:142:C:LEU:HD23	1:142:C:LEU:HA	19	0.61
(2,318)	1:142:B:LEU:HD23	1:142:B:LEU:HA	10	0.61
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	13	0.61
(2,318)	1:142:B:LEU:HD23	1:142:B:LEU:HA	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,317)	1:142:A:LEU:HD22	1:142:A:LEU:HA	9	0.61
(2,317)	1:142:A:LEU:HD23	1:142:A:LEU:HA	10	0.61
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	13	0.61
(2,317)	1:142:A:LEU:HD23	1:142:A:LEU:HA	19	0.61
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	17	0.61
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	17	0.61
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	17	0.61
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	17	0.61
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	17	0.61
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	7	0.61
(1,521)	1:132:A:THR:HG23	1:132:D:THR:HA	9	0.61
(1,396)	1:142:D:LEU:HD21	1:146:A:LEU:HG	3	0.61
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	7	0.61
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	7	0.61
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	14	0.61
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	13	0.61
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	13	0.61
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	8	0.61
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	8	0.61
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	8	0.61
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	8	0.61
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	8	0.61
(1,77)	1:153:A:VAL:HG11	1:154:D:VAL:HB	13	0.61
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	9	0.61
(1,12)	1:160:D:THR:HG22	1:160:A:THR:HA	13	0.61
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD11	20	0.6
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	13	0.6
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD11	20	0.6
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD11	20	0.6
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	3	0.6
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	13	0.6
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	6	0.6
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	12	0.6
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	2	0.6
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	6	0.6
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD22	19	0.6
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD22	19	0.6
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD22	19	0.6
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	7	0.6
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	19	0.6
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	7	0.6
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	13	0.6
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	13	0.6
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	13	0.6
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG12	13	0.6
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	11	0.6
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	11	0.6
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	11	0.6
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	11	0.6
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	3	0.6
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	3	0.6
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD23	16	0.6
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	3	0.6
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD23	16	0.6
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	3	0.6
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD23	16	0.6
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	8	0.6
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	2	0.6
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD23	7	0.6
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	8	0.6
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	13	0.6
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD23	19	0.6
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	8	0.6
(2,1291)	1:153:C:VAL:HG13	1:148:B:MET:HG3	13	0.6
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	14	0.6
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	14	0.6
(2,1290)	1:153:B:VAL:HG13	1:148:A:MET:HG3	19	0.6
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	1	0.6
(2,1289)	1:153:A:VAL:HG13	1:148:D:MET:HG3	19	0.6
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG13	20	0.6
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	19	0.6
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	6	0.6
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	19	0.6
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	8	0.6
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	13	0.6
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	8	0.6
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	13	0.6
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	8	0.6
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	13	0.6
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	8	0.6
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	13	0.6
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	7	0.6
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	19	0.6
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	7	0.6
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	15	0.6
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	19	0.6
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	7	0.6
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	19	0.6
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	2	0.6
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	2	0.6
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	2	0.6
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	2	0.6
(2,320)	1:142:D:LEU:HD23	1:142:D:LEU:HA	1	0.6
(2,320)	1:142:D:LEU:HD23	1:142:D:LEU:HA	2	0.6
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	5	0.6
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	7	0.6
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	8	0.6
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	16	0.6
(2,319)	1:142:C:LEU:HD23	1:142:C:LEU:HA	1	0.6
(2,319)	1:142:C:LEU:HD23	1:142:C:LEU:HA	2	0.6
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	5	0.6
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	7	0.6
(2,319)	1:142:C:LEU:HD22	1:142:C:LEU:HA	9	0.6
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	16	0.6
(2,318)	1:142:B:LEU:HD23	1:142:B:LEU:HA	2	0.6
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	5	0.6
(2,318)	1:142:B:LEU:HD23	1:142:B:LEU:HA	6	0.6
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	7	0.6
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	8	0.6
(2,318)	1:142:B:LEU:HD22	1:142:B:LEU:HA	9	0.6
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	16	0.6
(2,317)	1:142:A:LEU:HD23	1:142:A:LEU:HA	1	0.6
(2,317)	1:142:A:LEU:HD23	1:142:A:LEU:HA	2	0.6
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	5	0.6
(2,317)	1:142:A:LEU:HD23	1:142:A:LEU:HA	6	0.6
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	7	0.6
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	8	0.6
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	16	0.6
(1,523)	1:132:C:THR:HG23	1:132:B:THR:HA	9	0.6
(1,395)	1:142:C:LEU:HD23	1:146:D:LEU:HG	2	0.6
(1,395)	1:142:C:LEU:HD23	1:146:D:LEU:HG	6	0.6
(1,394)	1:142:B:LEU:HD21	1:146:C:LEU:HG	3	0.6
(1,393)	1:142:A:LEU:HD21	1:146:B:LEU:HG	3	0.6
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	19	0.6
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	14	0.6
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	13	0.6
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	6	0.6
(1,230)	1:149:B:LEU:HD11	1:152:A:LEU:HB2	11	0.6
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	16	0.6
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	20	0.6
(1,182)	1:142:B:LEU:HD21	1:138:A:ILE:HA	4	0.6
(1,148)	1:152:D:LEU:HD23	1:148:A:MET:HB2	20	0.6
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	8	0.6
(1,146)	1:152:B:LEU:HD23	1:148:C:MET:HB2	20	0.6
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	1	0.6
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	8	0.6
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	20	0.6
(1,118)	1:154:B:VAL:HG23	1:148:A:MET:HG3	19	0.6
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	10	0.6
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	11	0.6
(1,10)	1:160:B:THR:HG22	1:160:C:THR:HA	13	0.6
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	3	0.59
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	13	0.59
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	19	0.59
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	3	0.59
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	3	0.59
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	13	0.59
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	19	0.59
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	2	0.59
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	2	0.59
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	2	0.59
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	8	0.59
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	8	0.59
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	8	0.59
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	2	0.59
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	2	0.59
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	6	0.59
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	12	0.59
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	18	0.59
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	6	0.59
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	12	0.59
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	18	0.59
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	12	0.59
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	17	0.59
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	17	0.59
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	19	0.59
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	17	0.59
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	19	0.59
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	19	0.59
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	4	0.59
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	4	0.59
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD22	19	0.59
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG21	17	0.59
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG21	17	0.59
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	19	0.59
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	7	0.59
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG21	17	0.59
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	19	0.59
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG21	17	0.59
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	19	0.59
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG11	10	0.59
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG11	10	0.59
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG11	10	0.59
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	8	0.59
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD13	18	0.59
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	14	0.59
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	14	0.59
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	14	0.59
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	14	0.59
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	8	0.59
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	11	0.59
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	8	0.59
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	11	0.59
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	8	0.59
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	11	0.59
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	14	0.59
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	8	0.59
(2,1358)	1:132:B:THR:HG21	1:134:A:ARG:HD2	4	0.59
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	10	0.59
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	13	0.59
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	9	0.59
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD23	19	0.59
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	10	0.59
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD23	7	0.59
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	13	0.59
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1292)	1:153:D:VAL:HG13	1:148:C:MET:HG3	19	0.59
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	11	0.59
(2,1289)	1:153:A:VAL:HG13	1:148:D:MET:HG3	13	0.59
(2,1220)	1:144:D:GLU:HG3	1:144:D:GLU:HB3	12	0.59
(2,1219)	1:144:C:GLU:HG3	1:144:C:GLU:HB3	12	0.59
(2,1218)	1:144:B:GLU:HG3	1:144:B:GLU:HB3	12	0.59
(2,1217)	1:144:A:GLU:HG3	1:144:A:GLU:HB3	12	0.59
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	19	0.59
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	19	0.59
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB2	20	0.59
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB2	20	0.59
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB2	20	0.59
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB2	20	0.59
(2,1032)	1:157:D:ALA:HB3	1:158:D:GLY:HA2	17	0.59
(2,1031)	1:157:C:ALA:HB3	1:158:C:GLY:HA2	17	0.59
(2,1030)	1:157:B:ALA:HB3	1:158:B:GLY:HA2	17	0.59
(2,1029)	1:157:A:ALA:HB3	1:158:A:GLY:HA2	17	0.59
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	20	0.59
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	20	0.59
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	20	0.59
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB2	2	0.59
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB1	6	0.59
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB1	7	0.59
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB3	19	0.59
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB2	2	0.59
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB1	6	0.59
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB1	7	0.59
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB2	2	0.59
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB1	6	0.59
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB1	7	0.59
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB3	19	0.59
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB1	6	0.59
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB1	7	0.59
(2,725)	1:162:A:ALA:HB1	1:158:A:GLY:HA2	2	0.59
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	15	0.59
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	15	0.59
(2,440)	1:135:D:LEU:HD11	1:135:D:LEU:HA	17	0.59
(2,439)	1:135:C:LEU:HD11	1:135:C:LEU:HA	17	0.59
(2,438)	1:135:B:LEU:HD11	1:135:B:LEU:HA	17	0.59
(2,437)	1:135:A:LEU:HD11	1:135:A:LEU:HA	17	0.59
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	3	0.59
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	17	0.59
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	3	0.59
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	7	0.59
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	15	0.59
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	17	0.59
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	18	0.59
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	3	0.59
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	17	0.59
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	18	0.59
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	3	0.59
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	15	0.59
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	17	0.59
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	18	0.59
(2,320)	1:142:D:LEU:HD23	1:142:D:LEU:HA	6	0.59
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	15	0.59
(2,320)	1:142:D:LEU:HD22	1:142:D:LEU:HA	20	0.59
(2,319)	1:142:C:LEU:HD23	1:142:C:LEU:HA	6	0.59
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	8	0.59
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	11	0.59
(2,319)	1:142:C:LEU:HD22	1:142:C:LEU:HA	20	0.59
(2,318)	1:142:B:LEU:HD23	1:142:B:LEU:HA	1	0.59
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	15	0.59
(2,318)	1:142:B:LEU:HD22	1:142:B:LEU:HA	20	0.59
(2,317)	1:142:A:LEU:HD22	1:142:A:LEU:HA	20	0.59
(2,304)	1:144:D:GLU:HG3	1:141:D:LYS:HA	17	0.59
(2,303)	1:144:C:GLU:HG3	1:141:C:LYS:HA	17	0.59
(2,302)	1:144:B:GLU:HG3	1:141:B:LYS:HA	17	0.59
(2,301)	1:144:A:GLU:HG3	1:141:A:LYS:HA	17	0.59
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	7	0.59
(1,496)	1:135:D:LEU:HD12	1:131:C:ILE:HB	15	0.59
(1,495)	1:135:C:LEU:HD12	1:131:B:ILE:HB	15	0.59
(1,494)	1:135:B:LEU:HD12	1:131:A:ILE:HB	15	0.59
(1,396)	1:142:D:LEU:HD23	1:146:A:LEU:HG	6	0.59
(1,395)	1:142:C:LEU:HD21	1:146:D:LEU:HG	3	0.59
(1,394)	1:142:B:LEU:HD23	1:146:C:LEU:HG	6	0.59
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	19	0.59
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	19	0.59
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	14	0.59
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	3	0.59
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	6	0.59
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	3	0.59
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	16	0.59
(1,230)	1:149:B:LEU:HD11	1:152:A:LEU:HB2	1	0.59
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	3	0.59
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	20	0.59
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	3	0.59
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	10	0.59
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	16	0.59
(1,184)	1:142:D:LEU:HD21	1:138:C:ILE:HA	4	0.59
(1,148)	1:152:D:LEU:HD23	1:148:A:MET:HB2	1	0.59
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	8	0.59
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	20	0.59
(1,146)	1:152:B:LEU:HD21	1:148:C:MET:HB2	2	0.59
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	8	0.59
(1,120)	1:154:D:VAL:HG21	1:148:C:MET:HG3	7	0.59
(1,120)	1:154:D:VAL:HG23	1:148:C:MET:HG3	19	0.59
(1,119)	1:154:C:VAL:HG21	1:148:B:MET:HG3	7	0.59
(1,118)	1:154:B:VAL:HG21	1:148:A:MET:HG3	7	0.59
(1,101)	1:153:A:VAL:HG21	1:152:D:LEU:HB3	10	0.59
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	8	0.59
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	19	0.58
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	19	0.58
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	8	0.58
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	12	0.58
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	12	0.58
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	12	0.58
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	12	0.58
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	16	0.58
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	2	0.58
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	8	0.58
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	9	0.58
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	18	0.58
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	7	0.58
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	19	0.58
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	2	0.58
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	7	0.58
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	19	0.58
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	9	0.58
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	17	0.58
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	19	0.58
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG23	9	0.58
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG23	9	0.58
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG23	9	0.58
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	4	0.58
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD22	6	0.58
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD22	6	0.58
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD22	6	0.58
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	20	0.58
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	4	0.58
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	7	0.58
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD13	18	0.58
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	7	0.58
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	7	0.58
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD13	18	0.58
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	7	0.58
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD13	18	0.58
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	14	0.58
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	14	0.58
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	14	0.58
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	14	0.58
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	8	0.58
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	8	0.58
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	4	0.58
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	8	0.58
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	4	0.58
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	8	0.58
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD12	13	0.58
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD12	13	0.58
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD12	13	0.58
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD12	13	0.58
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	10	0.58
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	14	0.58
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	10	0.58
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	14	0.58
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	10	0.58
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	10	0.58
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	11	0.58
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	14	0.58
(2,1360)	1:132:D:THR:HG21	1:134:C:ARG:HD2	4	0.58
(2,1359)	1:132:C:THR:HG21	1:134:B:ARG:HD2	4	0.58
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD23	7	0.58
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD22	9	0.58
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	16	0.58
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD22	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD22	9	0.58
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	8	0.58
(2,1292)	1:153:D:VAL:HG13	1:148:C:MET:HG3	13	0.58
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	14	0.58
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	10	0.58
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	11	0.58
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	11	0.58
(2,1290)	1:153:B:VAL:HG13	1:148:A:MET:HG3	13	0.58
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	8	0.58
(2,1184)	1:149:D:LEU:HD23	1:148:C:MET:HB2	17	0.58
(2,1128)	1:138:D:ILE:HG21	1:142:D:LEU:HB3	14	0.58
(2,1127)	1:138:C:ILE:HG21	1:142:C:LEU:HB3	14	0.58
(2,1126)	1:138:B:ILE:HG21	1:142:B:LEU:HB3	14	0.58
(2,1125)	1:138:A:ILE:HG21	1:142:A:LEU:HB3	14	0.58
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG21	9	0.58
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG21	9	0.58
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG21	9	0.58
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	18	0.58
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	20	0.58
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	18	0.58
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	18	0.58
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	18	0.58
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB3	19	0.58
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB2	2	0.58
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB3	19	0.58
(2,728)	1:162:D:ALA:HB1	1:158:D:GLY:HA2	2	0.58
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	6	0.58
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	15	0.58
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	15	0.58
(2,440)	1:135:D:LEU:HD12	1:135:D:LEU:HA	5	0.58
(2,439)	1:135:C:LEU:HD12	1:135:C:LEU:HA	5	0.58
(2,438)	1:135:B:LEU:HD12	1:135:B:LEU:HA	5	0.58
(2,437)	1:135:A:LEU:HD12	1:135:A:LEU:HA	5	0.58
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	18	0.58
(2,320)	1:142:D:LEU:HD21	1:142:D:LEU:HA	11	0.58
(2,319)	1:142:C:LEU:HD21	1:142:C:LEU:HA	15	0.58
(2,318)	1:142:B:LEU:HD21	1:142:B:LEU:HA	11	0.58
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	11	0.58
(2,317)	1:142:A:LEU:HD21	1:142:A:LEU:HA	15	0.58
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	6	0.58
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	6	0.58
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:127:C:THR:HG22	1:127:D:THR:HA	12	0.58
(1,621)	1:127:A:THR:HG23	1:127:B:THR:HA	11	0.58
(1,615)	1:127:C:THR:HG21	1:131:D:ILE:HG13	1	0.58
(1,614)	1:127:B:THR:HG21	1:131:C:ILE:HG13	1	0.58
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	7	0.58
(1,493)	1:135:A:LEU:HD12	1:131:D:ILE:HB	15	0.58
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	13	0.58
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	19	0.58
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	13	0.58
(1,268)	1:148:D:MET:HE1	1:148:A:MET:HG3	5	0.58
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	10	0.58
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	13	0.58
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	16	0.58
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	20	0.58
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	20	0.58
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	10	0.58
(1,229)	1:149:A:LEU:HD11	1:152:D:LEU:HB2	1	0.58
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	6	0.58
(1,229)	1:149:A:LEU:HD11	1:152:D:LEU:HB2	11	0.58
(1,148)	1:152:D:LEU:HD21	1:148:A:MET:HB2	2	0.58
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	1	0.58
(1,146)	1:152:B:LEU:HD23	1:148:C:MET:HB2	1	0.58
(1,146)	1:152:B:LEU:HD23	1:148:C:MET:HB2	16	0.58
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	16	0.58
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	11	0.58
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	11	0.58
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	9	0.58
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	9	0.58
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	9	0.58
(1,17)	1:127:A:THR:HG22	1:129:B:ASP:HA	6	0.58
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD13	16	0.57
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	8	0.57
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	8	0.57
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	8	0.57
(2,2172)	1:130:D:ASN:HD21	1:127:D:THR:HB	5	0.57
(2,2171)	1:130:C:ASN:HD21	1:127:C:THR:HB	5	0.57
(2,2169)	1:130:A:ASN:HD21	1:127:A:THR:HB	5	0.57
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG23	13	0.57
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG23	13	0.57
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG23	13	0.57
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG23	13	0.57
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	17	0.57
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	19	0.57
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	9	0.57
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	17	0.57
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	9	0.57
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	17	0.57
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	7	0.57
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	11	0.57
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	18	0.57
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	4	0.57
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	4	0.57
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG23	9	0.57
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	17	0.57
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	18	0.57
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	18	0.57
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD22	6	0.57
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG21	3	0.57
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	14	0.57
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG21	3	0.57
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG21	3	0.57
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD12	5	0.57
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	10	0.57
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD12	5	0.57
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	10	0.57
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD12	5	0.57
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	10	0.57
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD12	5	0.57
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	10	0.57
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	4	0.57
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	4	0.57
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD21	4	0.57
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD21	4	0.57
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD21	4	0.57
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD21	4	0.57
(2,1357)	1:132:A:THR:HG21	1:134:D:ARG:HD2	4	0.57
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD21	5	0.57
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	16	0.57
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	5	0.57
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	9	0.57
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD22	10	0.57
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	10	0.57
(2,1181)	1:149:A:LEU:HD23	1:148:D:MET:HB2	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1080)	1:131:D:ILE:HD12	1:127:D:THR:HB	1	0.57
(2,1079)	1:131:C:ILE:HD12	1:127:C:THR:HB	1	0.57
(2,1078)	1:131:B:ILE:HD12	1:127:B:THR:HB	1	0.57
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	4	0.57
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG21	9	0.57
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	4	0.57
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	4	0.57
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	4	0.57
(2,992)	1:135:D:LEU:HD12	1:135:D:LEU:HB3	8	0.57
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	11	0.57
(2,991)	1:135:C:LEU:HD12	1:135:C:LEU:HB3	8	0.57
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	11	0.57
(2,990)	1:135:B:LEU:HD12	1:135:B:LEU:HB3	8	0.57
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	11	0.57
(2,989)	1:135:A:LEU:HD12	1:135:A:LEU:HB3	8	0.57
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	11	0.57
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB1	17	0.57
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB1	17	0.57
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB1	17	0.57
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB1	17	0.57
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	3	0.57
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	3	0.57
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	3	0.57
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	3	0.57
(2,727)	1:162:C:ALA:HB1	1:158:C:GLY:HA2	2	0.57
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	6	0.57
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	6	0.57
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	6	0.57
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	11	0.57
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	11	0.57
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	10	0.57
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	11	0.57
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	10	0.57
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	11	0.57
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	6	0.57
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	10	0.57
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	19	0.57
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	10	0.57
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	19	0.57
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	10	0.57
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	19	0.57
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:161:D:SER:HB3	1:160:C:THR:HG21	4	0.57
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG21	4	0.57
(1,645)	1:161:A:SER:HB3	1:160:D:THR:HG21	4	0.57
(1,624)	1:127:D:THR:HG22	1:127:A:THR:HA	3	0.57
(1,624)	1:127:D:THR:HG23	1:127:A:THR:HA	11	0.57
(1,623)	1:127:C:THR:HG22	1:127:D:THR:HA	3	0.57
(1,621)	1:127:A:THR:HG22	1:127:B:THR:HA	3	0.57
(1,616)	1:127:D:THR:HG21	1:131:A:ILE:HG13	1	0.57
(1,394)	1:142:B:LEU:HD23	1:146:C:LEU:HG	1	0.57
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	8	0.57
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	11	0.57
(1,232)	1:149:D:LEU:HD11	1:152:C:LEU:HB2	11	0.57
(1,231)	1:149:C:LEU:HD11	1:152:B:LEU:HB2	1	0.57
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	2	0.57
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	10	0.57
(1,231)	1:149:C:LEU:HD11	1:152:B:LEU:HB2	11	0.57
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	15	0.57
(1,148)	1:152:D:LEU:HD23	1:148:A:MET:HB2	16	0.57
(1,147)	1:152:C:LEU:HD21	1:148:D:MET:HB2	6	0.57
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	10	0.57
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	15	0.57
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	16	0.57
(1,145)	1:152:A:LEU:HD21	1:148:B:MET:HB2	2	0.57
(1,145)	1:152:A:LEU:HD22	1:148:D:MET:HB2	6	0.57
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	10	0.57
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	15	0.57
(1,117)	1:154:A:VAL:HG21	1:148:D:MET:HG3	7	0.57
(1,104)	1:153:D:VAL:HG21	1:152:C:LEU:HB3	10	0.57
(1,103)	1:153:C:VAL:HG21	1:152:B:LEU:HB3	10	0.57
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	11	0.57
(1,102)	1:153:B:VAL:HG21	1:152:A:LEU:HB3	10	0.57
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	11	0.57
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	11	0.57
(1,11)	1:160:C:THR:HG22	1:160:D:THR:HA	13	0.57
(1,9)	1:160:A:THR:HG22	1:160:B:THR:HA	13	0.57
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD13	16	0.56
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD13	16	0.56
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD13	16	0.56
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	16	0.56
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	16	0.56
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	16	0.56
(2,2170)	1:130:B:ASN:HD21	1:127:B:THR:HB	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG23	15	0.56
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG23	15	0.56
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG23	15	0.56
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	11	0.56
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	14	0.56
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	11	0.56
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	14	0.56
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	4	0.56
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	16	0.56
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	16	0.56
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	18	0.56
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	16	0.56
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	20	0.56
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	1	0.56
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	4	0.56
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	8	0.56
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	14	0.56
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	1	0.56
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG21	3	0.56
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	8	0.56
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	1	0.56
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	8	0.56
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	14	0.56
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	15	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	1	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	4	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	8	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	14	0.56
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	15	0.56
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	14	0.56
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG11	10	0.56
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD13	9	0.56
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD13	9	0.56
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	10	0.56
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD13	9	0.56
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	10	0.56
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD13	9	0.56
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	10	0.56
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD21	5	0.56
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	5	0.56
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD21	16	0.56
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	10	0.56
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	8	0.56
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	10	0.56
(2,1226)	1:144:B:GLU:HG2	1:144:B:GLU:HA	4	0.56
(2,1183)	1:149:C:LEU:HD23	1:148:B:MET:HB2	17	0.56
(2,1182)	1:149:B:LEU:HD23	1:148:A:MET:HB2	17	0.56
(2,1175)	1:152:C:LEU:HD12	1:156:D:SER:HB2	8	0.56
(2,1174)	1:152:B:LEU:HD12	1:156:C:SER:HB2	8	0.56
(2,1173)	1:152:A:LEU:HD12	1:156:B:SER:HB2	8	0.56
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG11	2	0.56
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG11	2	0.56
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG11	2	0.56
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG11	2	0.56
(2,1077)	1:131:A:ILE:HD12	1:127:A:THR:HB	1	0.56
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	13	0.56
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	13	0.56
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	13	0.56
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	2	0.56
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	7	0.56
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	2	0.56
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	7	0.56
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	2	0.56
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	7	0.56
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	2	0.56
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	7	0.56
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB3	5	0.56
(2,726)	1:162:B:ALA:HB1	1:158:B:GLY:HA2	2	0.56
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	10	0.56
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	10	0.56
(2,488)	1:131:D:ILE:HG22	1:131:D:ILE:HG13	13	0.56
(2,487)	1:131:C:ILE:HG22	1:131:C:ILE:HG13	13	0.56
(2,485)	1:131:A:ILE:HG22	1:131:A:ILE:HG13	13	0.56
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	12	0.56
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	13	0.56
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	12	0.56
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	13	0.56
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	12	0.56
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	13	0.56
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	12	0.56
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	13	0.56
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB1	2	0.56
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB1	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB1	2	0.56
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB1	2	0.56
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	19	0.56
(1,622)	1:127:B:THR:HG22	1:127:C:THR:HA	3	0.56
(1,622)	1:127:B:THR:HG23	1:127:C:THR:HA	11	0.56
(1,621)	1:127:A:THR:HG22	1:127:B:THR:HA	12	0.56
(1,613)	1:127:A:THR:HG21	1:131:B:ILE:HG13	1	0.56
(1,523)	1:132:C:THR:HG21	1:132:B:THR:HA	14	0.56
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	1	0.56
(1,522)	1:132:B:THR:HG21	1:132:A:THR:HA	14	0.56
(1,521)	1:132:A:THR:HG21	1:132:D:THR:HA	14	0.56
(1,396)	1:142:D:LEU:HD22	1:146:A:LEU:HG	20	0.56
(1,395)	1:142:C:LEU:HD23	1:146:D:LEU:HG	1	0.56
(1,393)	1:142:A:LEU:HD23	1:146:B:LEU:HG	1	0.56
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	6	0.56
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	11	0.56
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	8	0.56
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	13	0.56
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	6	0.56
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	8	0.56
(1,267)	1:148:C:MET:HE1	1:148:D:MET:HG3	5	0.56
(1,266)	1:148:B:MET:HE1	1:148:C:MET:HG3	5	0.56
(1,265)	1:148:A:MET:HE1	1:148:B:MET:HG3	5	0.56
(1,232)	1:149:D:LEU:HD11	1:152:C:LEU:HB2	1	0.56
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	2	0.56
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	13	0.56
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	2	0.56
(1,181)	1:142:A:LEU:HD23	1:138:D:ILE:HA	18	0.56
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	10	0.56
(1,148)	1:152:D:LEU:HD21	1:148:C:MET:HB2	14	0.56
(1,146)	1:152:B:LEU:HD21	1:148:C:MET:HB2	6	0.56
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	15	0.56
(1,101)	1:153:A:VAL:HG21	1:152:D:LEU:HB3	8	0.56
(1,28)	1:159:D:PRO:HD3	1:158:A:GLY:HA2	8	0.56
(1,26)	1:159:B:PRO:HD3	1:158:C:GLY:HA2	8	0.56
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD13	15	0.55
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD13	15	0.55
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD13	15	0.55
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD11	12	0.55
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD13	15	0.55
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	17	0.55
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	17	0.55
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	17	0.55
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	17	0.55
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	11	0.55
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	14	0.55
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	14	0.55
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG23	12	0.55
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	6	0.55
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG23	12	0.55
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	1	0.55
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	1	0.55
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	1	0.55
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	1	0.55
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	16	0.55
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	18	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	2	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	6	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG21	9	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	10	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	13	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	15	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	16	0.55
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	20	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	2	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	4	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	5	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG21	9	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	10	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	11	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	13	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	15	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	16	0.55
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	20	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	2	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	4	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	5	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	6	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG21	9	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	10	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	16	0.55
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	20	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	5	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	6	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	10	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	11	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	16	0.55
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	20	0.55
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	4	0.55
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	11	0.55
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	14	0.55
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	4	0.55
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	11	0.55
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	4	0.55
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	11	0.55
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	4	0.55
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	14	0.55
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB2	20	0.55
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB2	20	0.55
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB2	20	0.55
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB2	20	0.55
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	10	0.55
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	4	0.55
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD21	16	0.55
(2,1228)	1:144:D:GLU:HG2	1:144:D:GLU:HA	4	0.55
(2,1227)	1:144:C:GLU:HG2	1:144:C:GLU:HA	4	0.55
(2,1225)	1:144:A:GLU:HG2	1:144:A:GLU:HA	4	0.55
(2,1212)	1:145:D:ILE:HD12	1:142:D:LEU:HB2	18	0.55
(2,1211)	1:145:C:ILE:HD12	1:142:C:LEU:HB2	18	0.55
(2,1210)	1:145:B:ILE:HD12	1:142:B:LEU:HB2	18	0.55
(2,1209)	1:145:A:ILE:HD12	1:142:A:LEU:HB2	18	0.55
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	11	0.55
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	11	0.55
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB2	13	0.55
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB2	13	0.55
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	13	0.55
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	14	0.55
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	14	0.55
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	14	0.55
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB2	1	0.55
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB2	1	0.55
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB3	5	0.55
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB2	1	0.55
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB3	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB2	1	0.55
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB3	5	0.55
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	1	0.55
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	1	0.55
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	1	0.55
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	1	0.55
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	9	0.55
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	9	0.55
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	9	0.55
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	9	0.55
(2,488)	1:131:D:ILE:HG21	1:131:D:ILE:HG13	10	0.55
(2,487)	1:131:C:ILE:HG21	1:131:C:ILE:HG13	10	0.55
(2,486)	1:131:B:ILE:HG21	1:131:B:ILE:HG13	10	0.55
(2,486)	1:131:B:ILE:HG22	1:131:B:ILE:HG13	13	0.55
(2,485)	1:131:A:ILE:HG21	1:131:A:ILE:HG13	10	0.55
(2,296)	1:145:D:ILE:HD11	1:145:D:ILE:HA	4	0.55
(2,295)	1:145:C:ILE:HD11	1:145:C:ILE:HA	4	0.55
(2,294)	1:145:B:ILE:HD11	1:145:B:ILE:HA	4	0.55
(2,293)	1:145:A:ILE:HD11	1:145:A:ILE:HA	4	0.55
(2,136)	1:153:D:VAL:HA	1:156:D:SER:HB2	20	0.55
(2,134)	1:153:B:VAL:HA	1:156:B:SER:HB2	20	0.55
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	7	0.55
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	16	0.55
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	7	0.55
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB1	11	0.55
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	16	0.55
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	7	0.55
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB1	11	0.55
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	16	0.55
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	7	0.55
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	16	0.55
(1,651)	1:127:C:THR:HG21	1:128:D:ASN:HA	1	0.55
(1,650)	1:127:B:THR:HG21	1:128:C:ASN:HA	1	0.55
(1,647)	1:161:C:SER:HB3	1:160:B:THR:HG21	4	0.55
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	1	0.55
(1,396)	1:142:D:LEU:HD23	1:146:A:LEU:HG	1	0.55
(1,395)	1:142:C:LEU:HD22	1:146:D:LEU:HG	20	0.55
(1,394)	1:142:B:LEU:HD22	1:146:C:LEU:HG	20	0.55
(1,393)	1:142:A:LEU:HD22	1:146:B:LEU:HG	20	0.55
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	17	0.55
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	8	0.55
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	6	0.55
(1,265)	1:148:A:MET:HE1	1:148:B:MET:HG3	4	0.55
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	13	0.55
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	13	0.55
(1,184)	1:142:D:LEU:HD23	1:138:C:ILE:HA	18	0.55
(1,148)	1:152:D:LEU:HD21	1:148:A:MET:HB2	6	0.55
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	14	0.55
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	10	0.55
(1,146)	1:152:B:LEU:HD21	1:148:A:MET:HB2	14	0.55
(1,104)	1:153:D:VAL:HG21	1:152:C:LEU:HB3	4	0.55
(1,104)	1:153:D:VAL:HG21	1:152:C:LEU:HB3	8	0.55
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	11	0.55
(1,103)	1:153:C:VAL:HG21	1:152:B:LEU:HB3	4	0.55
(1,103)	1:153:C:VAL:HG21	1:152:B:LEU:HB3	8	0.55
(1,102)	1:153:B:VAL:HG21	1:152:A:LEU:HB3	4	0.55
(1,102)	1:153:B:VAL:HG21	1:152:A:LEU:HB3	8	0.55
(1,101)	1:153:A:VAL:HG21	1:152:D:LEU:HB3	4	0.55
(1,19)	1:127:C:THR:HG22	1:129:D:ASP:HA	6	0.55
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG23	15	0.54
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	6	0.54
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	11	0.54
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	11	0.54
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG23	12	0.54
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG22	15	0.54
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	6	0.54
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	11	0.54
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	6	0.54
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	11	0.54
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG23	12	0.54
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	5	0.54
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG22	11	0.54
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG22	6	0.54
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	11	0.54
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG22	13	0.54
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG21	9	0.54
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG22	13	0.54
(2,2033)	1:147:A:GLY:H	1:145:A:ILE:HG23	18	0.54
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB1	11	0.54
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG11	2	0.54
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG12	9	0.54
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG11	16	0.54
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG11	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG12	9	0.54
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	14	0.54
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG11	16	0.54
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG11	2	0.54
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG12	9	0.54
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG11	2	0.54
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG11	16	0.54
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD12	13	0.54
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	8	0.54
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD12	13	0.54
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	19	0.54
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	8	0.54
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD12	13	0.54
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	19	0.54
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	8	0.54
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD12	13	0.54
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	10	0.54
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	10	0.54
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	10	0.54
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	10	0.54
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD12	12	0.54
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD12	12	0.54
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD12	12	0.54
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	4	0.54
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	4	0.54
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	4	0.54
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	12	0.54
(2,1174)	1:152:B:LEU:HD12	1:156:C:SER:HB2	13	0.54
(2,1173)	1:152:A:LEU:HD12	1:156:B:SER:HB2	13	0.54
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	11	0.54
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	11	0.54
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB1	8	0.54
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	9	0.54
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	9	0.54
(2,991)	1:135:C:LEU:HD12	1:135:C:LEU:HB3	15	0.54
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	9	0.54
(2,990)	1:135:B:LEU:HD12	1:135:B:LEU:HB3	15	0.54
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	9	0.54
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	14	0.54
(2,989)	1:135:A:LEU:HD12	1:135:A:LEU:HB3	15	0.54
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB2	12	0.54
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB2	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB2	12	0.54
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB2	12	0.54
(2,488)	1:131:D:ILE:HG22	1:131:D:ILE:HG13	8	0.54
(2,487)	1:131:C:ILE:HG22	1:131:C:ILE:HG13	8	0.54
(2,486)	1:131:B:ILE:HG22	1:131:B:ILE:HG13	8	0.54
(2,485)	1:131:A:ILE:HG22	1:131:A:ILE:HG13	8	0.54
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	10	0.54
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	10	0.54
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	10	0.54
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	10	0.54
(2,304)	1:144:D:GLU:HG3	1:141:D:LYS:HA	4	0.54
(2,135)	1:153:C:VAL:HA	1:156:C:SER:HB2	20	0.54
(2,133)	1:153:A:VAL:HA	1:156:A:SER:HB2	20	0.54
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB1	1	0.54
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	5	0.54
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB1	11	0.54
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	5	0.54
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB1	1	0.54
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	5	0.54
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB1	1	0.54
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	5	0.54
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB1	11	0.54
(1,652)	1:127:D:THR:HG21	1:128:A:ASN:HA	1	0.54
(1,649)	1:127:A:THR:HG21	1:128:B:ASN:HA	1	0.54
(1,623)	1:127:C:THR:HG23	1:127:D:THR:HA	11	0.54
(1,524)	1:132:D:THR:HG21	1:132:C:THR:HA	14	0.54
(1,521)	1:132:A:THR:HG21	1:132:D:THR:HA	10	0.54
(1,392)	1:142:D:LEU:HD22	1:145:C:ILE:HG12	17	0.54
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	17	0.54
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	11	0.54
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	9	0.54
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	2	0.54
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	14	0.54
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	14	0.54
(1,184)	1:142:D:LEU:HD22	1:138:C:ILE:HA	14	0.54
(1,183)	1:142:C:LEU:HD23	1:138:B:ILE:HA	18	0.54
(1,182)	1:142:B:LEU:HD22	1:138:A:ILE:HA	14	0.54
(1,182)	1:142:B:LEU:HD23	1:138:A:ILE:HA	18	0.54
(1,147)	1:152:C:LEU:HD21	1:148:D:MET:HB2	2	0.54
(1,146)	1:152:B:LEU:HD23	1:148:A:MET:HB2	4	0.54
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	4	0.54
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:159:C:PRO:HD3	1:158:D:GLY:HA2	8	0.54
(1,24)	1:159:D:PRO:HD2	1:158:C:GLY:HA3	8	0.54
(1,23)	1:159:C:PRO:HD2	1:158:B:GLY:HA3	8	0.54
(1,21)	1:159:A:PRO:HD2	1:158:D:GLY:HA3	8	0.54
(2,2463)	1:128:C:ASN:HD22	1:132:C:THR:HG22	1	0.53
(2,2462)	1:128:B:ASN:HD22	1:132:B:THR:HG22	1	0.53
(2,2461)	1:128:A:ASN:HD22	1:132:A:THR:HG22	1	0.53
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD11	12	0.53
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	17	0.53
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	18	0.53
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD11	12	0.53
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	17	0.53
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	18	0.53
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD11	12	0.53
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	17	0.53
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	18	0.53
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	18	0.53
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	16	0.53
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	16	0.53
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	16	0.53
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	16	0.53
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	20	0.53
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	3	0.53
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG22	15	0.53
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	3	0.53
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	3	0.53
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG22	15	0.53
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	3	0.53
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG22	15	0.53
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG22	3	0.53
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	4	0.53
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG22	3	0.53
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	4	0.53
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG22	3	0.53
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	4	0.53
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG22	3	0.53
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	4	0.53
(2,2036)	1:147:D:GLY:H	1:145:D:ILE:HG23	18	0.53
(2,2035)	1:147:C:GLY:H	1:145:C:ILE:HG23	18	0.53
(2,2034)	1:147:B:GLY:H	1:145:B:ILE:HG23	18	0.53
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB1	11	0.53
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB1	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB1	11	0.53
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	10	0.53
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG11	16	0.53
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG12	9	0.53
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	8	0.53
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	11	0.53
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	19	0.53
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	19	0.53
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	5	0.53
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	5	0.53
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	5	0.53
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	9	0.53
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	5	0.53
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	7	0.53
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD12	12	0.53
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	19	0.53
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	7	0.53
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	19	0.53
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	7	0.53
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	19	0.53
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	7	0.53
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	19	0.53
(2,1367)	1:138:C:ILE:HG23	1:139:C:ASP:HB3	12	0.53
(2,1366)	1:138:B:ILE:HG23	1:139:B:ASP:HB3	12	0.53
(2,1365)	1:138:A:ILE:HG23	1:139:A:ASP:HB3	12	0.53
(2,1291)	1:153:C:VAL:HG12	1:148:B:MET:HG3	3	0.53
(2,1289)	1:153:A:VAL:HG12	1:148:D:MET:HG3	3	0.53
(2,1176)	1:152:D:LEU:HD12	1:156:A:SER:HB2	8	0.53
(2,1175)	1:152:C:LEU:HD12	1:156:D:SER:HB2	13	0.53
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG23	11	0.53
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG23	11	0.53
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG23	11	0.53
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG23	11	0.53
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB1	8	0.53
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB2	13	0.53
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	5	0.53
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	5	0.53
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	5	0.53
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	5	0.53
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD13	18	0.53
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD13	18	0.53
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD13	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD13	18	0.53
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	1	0.53
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	4	0.53
(2,992)	1:135:D:LEU:HD12	1:135:D:LEU:HB3	15	0.53
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	1	0.53
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	4	0.53
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	1	0.53
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	4	0.53
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	1	0.53
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	4	0.53
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB3	16	0.53
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB3	20	0.53
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB3	16	0.53
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB3	16	0.53
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB3	20	0.53
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB3	20	0.53
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	14	0.53
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	15	0.53
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	14	0.53
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	15	0.53
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	14	0.53
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	15	0.53
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	14	0.53
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	15	0.53
(2,376)	1:137:D:ARG:HG2	1:137:D:ARG:HA	2	0.53
(2,375)	1:137:C:ARG:HG2	1:137:C:ARG:HA	2	0.53
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	7	0.53
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	8	0.53
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	7	0.53
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	8	0.53
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	7	0.53
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	8	0.53
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	7	0.53
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	8	0.53
(2,303)	1:144:C:GLU:HG3	1:141:C:LYS:HA	4	0.53
(2,302)	1:144:B:GLU:HG3	1:141:B:LYS:HA	4	0.53
(2,301)	1:144:A:GLU:HG3	1:141:A:LYS:HA	4	0.53
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	18	0.53
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB1	1	0.53
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB1	8	0.53
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	18	0.53
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB1	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	18	0.53
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	18	0.53
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	1	0.53
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	6	0.53
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	9	0.53
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	9	0.53
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	11	0.53
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	1	0.53
(1,267)	1:148:C:MET:HE1	1:148:D:MET:HG3	4	0.53
(1,266)	1:148:B:MET:HE1	1:148:C:MET:HG3	4	0.53
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	14	0.53
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	14	0.53
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	4	0.53
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	11	0.53
(1,25)	1:159:A:PRO:HD3	1:158:B:GLY:HA2	8	0.53
(1,22)	1:159:B:PRO:HD2	1:158:A:GLY:HA3	8	0.53
(2,2464)	1:128:D:ASN:HD22	1:132:D:THR:HG22	1	0.52
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD11	1	0.52
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD11	1	0.52
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	12	0.52
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	12	0.52
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	12	0.52
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	5	0.52
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG21	9	0.52
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	5	0.52
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	5	0.52
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	5	0.52
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG21	9	0.52
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	20	0.52
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	10	0.52
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	20	0.52
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	10	0.52
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB2	16	0.52
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	20	0.52
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	2	0.52
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	7	0.52
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	2	0.52
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	7	0.52
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	2	0.52
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	7	0.52
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	6	0.52
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	6	0.52
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	10	0.52
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	10	0.52
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG11	1	0.52
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	3	0.52
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	3	0.52
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG11	1	0.52
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	3	0.52
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	3	0.52
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	11	0.52
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD11	10	0.52
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD11	10	0.52
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD11	10	0.52
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD11	10	0.52
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	11	0.52
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	11	0.52
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	11	0.52
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	9	0.52
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	9	0.52
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	18	0.52
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	18	0.52
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	18	0.52
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	18	0.52
(2,1368)	1:138:D:ILE:HG23	1:139:D:ASP:HB3	12	0.52
(2,1292)	1:153:D:VAL:HG12	1:148:C:MET:HG3	3	0.52
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	12	0.52
(2,1290)	1:153:B:VAL:HG12	1:148:A:MET:HG3	3	0.52
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	12	0.52
(2,1176)	1:152:D:LEU:HD12	1:156:A:SER:HB2	13	0.52
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG11	1	0.52
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG13	4	0.52
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG11	1	0.52
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG13	4	0.52
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	2	0.52
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG23	5	0.52
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	7	0.52
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	2	0.52
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG23	5	0.52
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	7	0.52
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	2	0.52
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG23	5	0.52
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	2	0.52
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG23	5	0.52
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	7	0.52
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB1	8	0.52
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG23	10	0.52
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG23	10	0.52
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG23	10	0.52
(2,992)	1:135:D:LEU:HD12	1:135:D:LEU:HB3	18	0.52
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	19	0.52
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	20	0.52
(2,991)	1:135:C:LEU:HD12	1:135:C:LEU:HB3	18	0.52
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	19	0.52
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	20	0.52
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	17	0.52
(2,990)	1:135:B:LEU:HD12	1:135:B:LEU:HB3	18	0.52
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	19	0.52
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	20	0.52
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	16	0.52
(2,989)	1:135:A:LEU:HD12	1:135:A:LEU:HB3	18	0.52
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	19	0.52
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	20	0.52
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB3	20	0.52
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB3	16	0.52
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	18	0.52
(2,374)	1:137:B:ARG:HG2	1:137:B:ARG:HA	2	0.52
(2,373)	1:137:A:ARG:HG2	1:137:A:ARG:HA	2	0.52
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	11	0.52
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	11	0.52
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	11	0.52
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	11	0.52
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB1	8	0.52
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	15	0.52
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	15	0.52
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	15	0.52
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB1	8	0.52
(1,524)	1:132:D:THR:HG21	1:132:C:THR:HA	10	0.52
(1,523)	1:132:C:THR:HG21	1:132:B:THR:HA	10	0.52
(1,522)	1:132:B:THR:HG21	1:132:A:THR:HA	10	0.52
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	1	0.52
(1,391)	1:142:C:LEU:HD22	1:145:B:ILE:HG12	17	0.52
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	5	0.52
(1,376)	1:145:D:ILE:HD12	1:141:C:LYS:HA	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	15	0.52
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	15	0.52
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	2	0.52
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	5	0.52
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	15	0.52
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	5	0.52
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	9	0.52
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	15	0.52
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	9	0.52
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG23	14	0.52
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG23	14	0.52
(1,183)	1:142:C:LEU:HD22	1:138:B:ILE:HA	14	0.52
(1,181)	1:142:A:LEU:HD22	1:138:D:ILE:HA	14	0.52
(1,148)	1:152:D:LEU:HD23	1:148:C:MET:HB2	4	0.52
(1,147)	1:152:C:LEU:HD21	1:148:D:MET:HB2	3	0.52
(1,146)	1:152:B:LEU:HD21	1:148:C:MET:HB2	3	0.52
(1,102)	1:153:B:VAL:HG23	1:152:A:LEU:HB3	14	0.52
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	18	0.52
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	18	0.52
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	14	0.52
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD11	1	0.51
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD11	1	0.51
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	12	0.51
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG21	3	0.51
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	18	0.51
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	20	0.51
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG21	3	0.51
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	6	0.51
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG21	9	0.51
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	13	0.51
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	16	0.51
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	18	0.51
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG21	3	0.51
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG21	9	0.51
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	13	0.51
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG21	3	0.51
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	13	0.51
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB3	8	0.51
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	10	0.51
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB2	16	0.51
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	10	0.51
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB2	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB3	8	0.51
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG23	14	0.51
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG23	14	0.51
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG23	14	0.51
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	2	0.51
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	7	0.51
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	6	0.51
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	14	0.51
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	14	0.51
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	10	0.51
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	14	0.51
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG11	6	0.51
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG11	1	0.51
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG11	6	0.51
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG11	6	0.51
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG11	1	0.51
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	2	0.51
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	9	0.51
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	13	0.51
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	13	0.51
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	12	0.51
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG13	14	0.51
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG11	16	0.51
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG11	1	0.51
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG13	4	0.51
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG13	4	0.51
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG11	1	0.51
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG11	16	0.51
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG23	14	0.51
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG23	14	0.51
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG23	14	0.51
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG23	14	0.51
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB1	8	0.51
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB2	13	0.51
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG23	10	0.51
(2,992)	1:135:D:LEU:HD12	1:135:D:LEU:HB3	12	0.51
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	16	0.51
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	17	0.51
(2,991)	1:135:C:LEU:HD12	1:135:C:LEU:HB3	12	0.51
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	16	0.51
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	17	0.51
(2,990)	1:135:B:LEU:HD12	1:135:B:LEU:HB3	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	16	0.51
(2,989)	1:135:A:LEU:HD12	1:135:A:LEU:HB3	12	0.51
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	17	0.51
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	7	0.51
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	7	0.51
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	7	0.51
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	7	0.51
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB3	15	0.51
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	18	0.51
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	18	0.51
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	18	0.51
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	9	0.51
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	9	0.51
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	9	0.51
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	9	0.51
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	9	0.51
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB1	12	0.51
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB2	13	0.51
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	9	0.51
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB1	12	0.51
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB2	13	0.51
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB1	12	0.51
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	13	0.51
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	9	0.51
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	15	0.51
(1,637)	1:131:A:ILE:HD13	1:128:B:ASN:HA	1	0.51
(1,624)	1:127:D:THR:HG22	1:127:A:THR:HA	12	0.51
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	1	0.51
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	2	0.51
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	16	0.51
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	20	0.51
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	16	0.51
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	1	0.51
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	20	0.51
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	16	0.51
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	20	0.51
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG23	14	0.51
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	5	0.51
(1,145)	1:152:A:LEU:HD21	1:148:B:MET:HB2	3	0.51
(1,104)	1:153:D:VAL:HG23	1:152:C:LEU:HB3	14	0.51
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	18	0.51
(1,103)	1:153:C:VAL:HG23	1:152:B:LEU:HB3	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	18	0.51
(1,101)	1:153:A:VAL:HG23	1:152:D:LEU:HB3	14	0.51
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	14	0.51
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	14	0.51
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	14	0.51
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	19	0.51
(1,20)	1:127:D:THR:HG22	1:129:A:ASP:HA	6	0.51
(1,19)	1:127:C:THR:HG23	1:129:D:ASP:HA	7	0.51
(1,18)	1:127:B:THR:HG22	1:129:C:ASP:HA	6	0.51
(1,17)	1:127:A:THR:HG23	1:129:B:ASP:HA	7	0.51
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	5	0.5
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	5	0.5
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	5	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	1	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	2	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	6	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	11	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	13	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	14	0.5
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	16	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	1	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	2	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	11	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	14	0.5
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	20	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	1	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	6	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	10	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	11	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	14	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	16	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	18	0.5
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	20	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	2	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	6	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	8	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	11	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	14	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	16	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	18	0.5
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	20	0.5
(2,2216)	1:157:D:ALA:H	1:156:D:SER:HB2	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2215)	1:157:C:ALA:H	1:156:C:SER:HB2	17	0.5
(2,2214)	1:157:B:ALA:H	1:156:B:SER:HB2	17	0.5
(2,2213)	1:157:A:ALA:H	1:156:A:SER:HB2	17	0.5
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	20	0.5
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	20	0.5
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	20	0.5
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB3	8	0.5
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB2	16	0.5
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB3	8	0.5
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG23	14	0.5
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	10	0.5
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	10	0.5
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	6	0.5
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	6	0.5
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	6	0.5
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	6	0.5
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	14	0.5
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	4	0.5
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG12	5	0.5
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG12	15	0.5
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG12	5	0.5
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG12	15	0.5
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG12	15	0.5
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG12	5	0.5
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG11	6	0.5
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG12	15	0.5
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	2	0.5
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	1	0.5
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	2	0.5
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	18	0.5
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	18	0.5
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	18	0.5
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	18	0.5
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD12	5	0.5
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	8	0.5
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	8	0.5
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	8	0.5
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD12	5	0.5
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	8	0.5
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	13	0.5
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	19	0.5
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	19	0.5
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	19	0.5
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	13	0.5
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	4	0.5
(2,1291)	1:153:C:VAL:HG11	1:148:B:MET:HG3	17	0.5
(2,1290)	1:153:B:VAL:HG11	1:148:A:MET:HG3	17	0.5
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG11	6	0.5
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG13	8	0.5
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG13	11	0.5
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG11	6	0.5
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG13	8	0.5
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG12	13	0.5
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG11	16	0.5
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG11	6	0.5
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG13	8	0.5
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG12	13	0.5
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG13	14	0.5
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG11	16	0.5
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG13	8	0.5
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG13	14	0.5
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	7	0.5
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	7	0.5
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	7	0.5
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	7	0.5
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	3	0.5
(2,992)	1:135:D:LEU:HD12	1:135:D:LEU:HB3	5	0.5
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	6	0.5
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	3	0.5
(2,991)	1:135:C:LEU:HD12	1:135:C:LEU:HB3	5	0.5
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	6	0.5
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	3	0.5
(2,990)	1:135:B:LEU:HD12	1:135:B:LEU:HB3	5	0.5
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	6	0.5
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	3	0.5
(2,989)	1:135:A:LEU:HD12	1:135:A:LEU:HB3	5	0.5
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	6	0.5
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB3	15	0.5
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB1	14	0.5
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB3	15	0.5
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB3	15	0.5
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	4	0.5
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	4	0.5
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	4	0.5
(2,372)	1:138:D:ILE:HD12	1:138:D:ILE:HA	2	0.5
(2,370)	1:138:B:ILE:HD12	1:138:B:ILE:HA	2	0.5
(2,369)	1:138:A:ILE:HD12	1:138:A:ILE:HA	2	0.5
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB2	9	0.5
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB1	12	0.5
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB2	13	0.5
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	14	0.5
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	5	0.5
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	6	0.5
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	17	0.5
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	5	0.5
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	6	0.5
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	13	0.5
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	17	0.5
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	5	0.5
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	13	0.5
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	17	0.5
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	5	0.5
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	6	0.5
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	17	0.5
(1,640)	1:131:D:ILE:HD13	1:128:A:ASN:HA	1	0.5
(1,639)	1:131:C:ILE:HD13	1:128:D:ASN:HA	1	0.5
(1,623)	1:127:C:THR:HG21	1:127:D:THR:HA	9	0.5
(1,622)	1:127:B:THR:HG22	1:127:C:THR:HA	12	0.5
(1,468)	1:155:D:ALA:HB2	1:156:A:SER:HA	17	0.5
(1,467)	1:155:C:ALA:HB2	1:156:D:SER:HA	17	0.5
(1,465)	1:155:A:ALA:HB2	1:156:B:SER:HA	17	0.5
(1,376)	1:145:D:ILE:HD13	1:141:A:LYS:HA	18	0.5
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	1	0.5
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	5	0.5
(1,375)	1:145:C:ILE:HD12	1:141:B:LYS:HA	14	0.5
(1,374)	1:145:B:ILE:HD12	1:141:A:LYS:HA	14	0.5
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	16	0.5
(1,374)	1:145:B:ILE:HD13	1:141:C:LYS:HA	18	0.5
(1,373)	1:145:A:ILE:HD12	1:141:D:LYS:HA	14	0.5
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	9	0.5
(1,257)	1:148:A:MET:HE1	1:145:B:ILE:HG22	4	0.5
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG23	14	0.5
(1,231)	1:149:C:LEU:HD11	1:152:B:LEU:HB2	18	0.5
(1,230)	1:149:B:LEU:HD11	1:152:A:LEU:HB2	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	5	0.5
(1,148)	1:152:D:LEU:HD21	1:148:A:MET:HB2	3	0.5
(1,80)	1:153:D:VAL:HG11	1:154:C:VAL:HB	9	0.5
(1,79)	1:153:C:VAL:HG11	1:154:B:VAL:HB	9	0.5
(1,78)	1:153:B:VAL:HG11	1:154:A:VAL:HB	9	0.5
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	5	0.5
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	5	0.49
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	4	0.49
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	8	0.49
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	10	0.49
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG22	15	0.49
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	4	0.49
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	8	0.49
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	10	0.49
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG22	15	0.49
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	2	0.49
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	8	0.49
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	15	0.49
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	1	0.49
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	10	0.49
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	15	0.49
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	12	0.49
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	12	0.49
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	10	0.49
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	10	0.49
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	4	0.49
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	4	0.49
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	15	0.49
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	4	0.49
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	15	0.49
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG12	5	0.49
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD12	3	0.49
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	1	0.49
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	2	0.49
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	1	0.49
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	1	0.49
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	2	0.49
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	16	0.49
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD13	17	0.49
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD12	5	0.49
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD13	17	0.49
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD12	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD13	17	0.49
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	2	0.49
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD13	17	0.49
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD21	12	0.49
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD21	12	0.49
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD21	12	0.49
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	12	0.49
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD21	19	0.49
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	13	0.49
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	13	0.49
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	13	0.49
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	4	0.49
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	4	0.49
(2,1289)	1:153:A:VAL:HG11	1:148:D:MET:HG3	17	0.49
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG12	9	0.49
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG11	10	0.49
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG12	13	0.49
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG12	19	0.49
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG11	10	0.49
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG13	11	0.49
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG13	14	0.49
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG12	19	0.49
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG12	9	0.49
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG11	10	0.49
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG13	11	0.49
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG12	19	0.49
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG11	6	0.49
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG11	10	0.49
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG13	11	0.49
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG12	13	0.49
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG12	19	0.49
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	8	0.49
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	8	0.49
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	8	0.49
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	8	0.49
(2,948)	1:138:D:ILE:HG23	1:135:D:LEU:HA	3	0.49
(2,947)	1:138:C:ILE:HG23	1:135:C:LEU:HA	3	0.49
(2,946)	1:138:B:ILE:HG23	1:135:B:LEU:HA	3	0.49
(2,945)	1:138:A:ILE:HG23	1:135:A:LEU:HA	3	0.49
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	8	0.49
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	8	0.49
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	8	0.49
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	8	0.49
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	13	0.49
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	13	0.49
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB1	4	0.49
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB1	14	0.49
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB1	4	0.49
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB1	18	0.49
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB1	4	0.49
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB1	14	0.49
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB1	4	0.49
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB1	14	0.49
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG13	9	0.49
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG13	9	0.49
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG13	9	0.49
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB3	1	0.49
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB3	1	0.49
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB3	1	0.49
(2,371)	1:138:C:ILE:HD12	1:138:C:ILE:HA	2	0.49
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	14	0.49
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	4	0.49
(2,87)	1:156:C:SER:HA	1:155:C:ALA:HB3	14	0.49
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	4	0.49
(2,86)	1:156:B:SER:HA	1:155:B:ALA:HB3	14	0.49
(2,85)	1:156:A:SER:HA	1:155:A:ALA:HB3	4	0.49
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	7	0.49
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	8	0.49
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	9	0.49
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	11	0.49
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	13	0.49
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	7	0.49
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	8	0.49
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	9	0.49
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	11	0.49
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	6	0.49
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	7	0.49
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	8	0.49
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	9	0.49
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	11	0.49
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	7	0.49
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	8	0.49
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	11	0.49
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	13	0.49
(1,638)	1:131:B:ILE:HD13	1:128:C:ASN:HA	1	0.49
(1,624)	1:127:D:THR:HG21	1:127:A:THR:HA	9	0.49
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	18	0.49
(1,493)	1:135:A:LEU:HD13	1:131:D:ILE:HB	16	0.49
(1,466)	1:155:B:ALA:HB2	1:156:C:SER:HA	17	0.49
(1,375)	1:145:C:ILE:HD11	1:141:D:LYS:HA	10	0.49
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	20	0.49
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	2	0.49
(1,373)	1:145:A:ILE:HD11	1:141:B:LYS:HA	10	0.49
(1,373)	1:145:A:ILE:HD13	1:141:B:LYS:HA	18	0.49
(1,268)	1:148:D:MET:HE1	1:148:A:MET:HG3	4	0.49
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	9	0.49
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	9	0.49
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	5	0.49
(1,79)	1:153:C:VAL:HG11	1:154:B:VAL:HB	15	0.49
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	19	0.49
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	1	0.49
(1,21)	1:159:A:PRO:HD2	1:158:D:GLY:HA3	17	0.49
(1,20)	1:127:D:THR:HG23	1:129:A:ASP:HA	7	0.49
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	9	0.48
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD11	11	0.48
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	9	0.48
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD11	11	0.48
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	9	0.48
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD11	11	0.48
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	9	0.48
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD11	11	0.48
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	6	0.48
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG22	4	0.48
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG22	4	0.48
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	12	0.48
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	12	0.48
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG22	9	0.48
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG22	9	0.48
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG22	9	0.48
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	20	0.48
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	20	0.48
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	20	0.48
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	20	0.48
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2064)	1:142:D:LEU:H	1:141:D:LYS:HG2	3	0.48
(2,2063)	1:142:C:LEU:H	1:141:C:LYS:HG2	3	0.48
(2,2062)	1:142:B:LEU:H	1:141:B:LYS:HG2	3	0.48
(2,2061)	1:142:A:LEU:H	1:141:A:LYS:HG2	3	0.48
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG21	11	0.48
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG21	11	0.48
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	9	0.48
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB1	12	0.48
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	15	0.48
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	9	0.48
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB1	12	0.48
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	9	0.48
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB1	12	0.48
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB1	12	0.48
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	15	0.48
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG12	19	0.48
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	12	0.48
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG12	19	0.48
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	12	0.48
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	12	0.48
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG12	19	0.48
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD12	3	0.48
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD12	12	0.48
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD12	3	0.48
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD12	3	0.48
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD12	12	0.48
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD12	12	0.48
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	6	0.48
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	16	0.48
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	6	0.48
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	6	0.48
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	1	0.48
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD13	14	0.48
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	15	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	1	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	2	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	15	0.48
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	16	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	1	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	2	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD13	14	0.48
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	16	0.48
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	1	0.48
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	6	0.48
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD13	14	0.48
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	15	0.48
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	16	0.48
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	7	0.48
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD23	9	0.48
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	7	0.48
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD23	9	0.48
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	7	0.48
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD23	9	0.48
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	7	0.48
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD23	9	0.48
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	4	0.48
(2,1292)	1:153:D:VAL:HG11	1:148:C:MET:HG3	17	0.48
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG12	15	0.48
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG12	9	0.48
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG12	15	0.48
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG12	15	0.48
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG12	9	0.48
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG12	15	0.48
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	5	0.48
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	5	0.48
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	5	0.48
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	5	0.48
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	2	0.48
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	2	0.48
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	2	0.48
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	13	0.48
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	13	0.48
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	20	0.48
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	20	0.48
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	2	0.48
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	11	0.48
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	2	0.48
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	19	0.48
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	11	0.48
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	11	0.48
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	19	0.48
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	13	0.48
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB3	9	0.48
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB2	11	0.48
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB2	11	0.48
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB3	9	0.48
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB1	10	0.48
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB2	11	0.48
(2,854)	1:154:B:VAL:HG13	1:155:B:ALA:HB1	18	0.48
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB2	11	0.48
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB1	18	0.48
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG13	5	0.48
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG13	5	0.48
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	14	0.48
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG13	5	0.48
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG13	9	0.48
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG13	5	0.48
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	12	0.48
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	12	0.48
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	20	0.48
(2,678)	1:152:B:LEU:HD12	1:152:B:LEU:HB3	5	0.48
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	12	0.48
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	20	0.48
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	12	0.48
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB3	1	0.48
(2,372)	1:138:D:ILE:HD12	1:138:D:ILE:HA	4	0.48
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	5	0.48
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	6	0.48
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	12	0.48
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	18	0.48
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	19	0.48
(2,371)	1:138:C:ILE:HD12	1:138:C:ILE:HA	4	0.48
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	5	0.48
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	6	0.48
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	12	0.48
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	18	0.48
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	19	0.48
(2,370)	1:138:B:ILE:HD12	1:138:B:ILE:HA	4	0.48
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	5	0.48
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	6	0.48
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	12	0.48
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	18	0.48
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	19	0.48
(2,369)	1:138:A:ILE:HD12	1:138:A:ILE:HA	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	5	0.48
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	12	0.48
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	18	0.48
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	19	0.48
(2,88)	1:156:D:SER:HA	1:155:D:ALA:HB3	4	0.48
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	8	0.48
(1,621)	1:127:A:THR:HG21	1:127:B:THR:HA	9	0.48
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	18	0.48
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	18	0.48
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	18	0.48
(1,496)	1:135:D:LEU:HD13	1:131:C:ILE:HB	16	0.48
(1,495)	1:135:C:LEU:HD13	1:131:B:ILE:HB	16	0.48
(1,376)	1:145:D:ILE:HD11	1:141:A:LYS:HA	10	0.48
(1,375)	1:145:C:ILE:HD13	1:141:D:LYS:HA	18	0.48
(1,374)	1:145:B:ILE:HD11	1:141:C:LYS:HA	10	0.48
(1,326)	1:145:B:ILE:HG21	1:142:C:LEU:HB2	18	0.48
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	5	0.48
(1,258)	1:148:B:MET:HE1	1:145:C:ILE:HG22	4	0.48
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	5	0.48
(1,232)	1:149:D:LEU:HD11	1:152:C:LEU:HB2	9	0.48
(1,229)	1:149:A:LEU:HD11	1:152:D:LEU:HB2	18	0.48
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	18	0.48
(1,77)	1:153:A:VAL:HG11	1:154:D:VAL:HB	9	0.48
(1,77)	1:153:A:VAL:HG11	1:154:D:VAL:HB	15	0.48
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	18	0.48
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	18	0.48
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	18	0.48
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	1	0.48
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	1	0.48
(1,23)	1:159:C:PRO:HD2	1:158:B:GLY:HA3	17	0.48
(1,22)	1:159:B:PRO:HD2	1:158:A:GLY:HA3	17	0.48
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	1	0.48
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	3	0.47
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG21	12	0.47
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG21	12	0.47
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG21	12	0.47
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG22	9	0.47
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	3	0.47
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	15	0.47
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	3	0.47
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	15	0.47
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	15	0.47
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	15	0.47
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	10	0.47
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	10	0.47
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	10	0.47
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	19	0.47
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	10	0.47
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG22	5	0.47
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG22	5	0.47
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	9	0.47
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG22	5	0.47
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG22	5	0.47
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	10	0.47
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	11	0.47
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	10	0.47
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	10	0.47
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	11	0.47
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	10	0.47
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	5	0.47
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB1	1	0.47
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB1	1	0.47
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB1	1	0.47
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	9	0.47
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	12	0.47
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG12	19	0.47
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD12	12	0.47
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD13	20	0.47
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD12	12	0.47
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	16	0.47
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	6	0.47
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	16	0.47
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD13	20	0.47
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	16	0.47
(2,1624)	1:148:D:MET:H	1:148:D:MET:HG2	13	0.47
(2,1623)	1:148:C:MET:H	1:148:C:MET:HG2	13	0.47
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	6	0.47
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	11	0.47
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD13	18	0.47
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD13	20	0.47
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	6	0.47
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD13	14	0.47
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD13	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD13	20	0.47
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	6	0.47
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD13	18	0.47
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD13	20	0.47
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	11	0.47
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD13	18	0.47
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD13	20	0.47
(2,1364)	1:131:D:ILE:HG13	1:132:A:THR:HG21	10	0.47
(2,1362)	1:131:B:ILE:HG13	1:132:C:THR:HG21	10	0.47
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	2	0.47
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	13	0.47
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	13	0.47
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	20	0.47
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	20	0.47
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	19	0.47
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	2	0.47
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	19	0.47
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	2	0.47
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	5	0.47
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	9	0.47
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	5	0.47
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	9	0.47
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	15	0.47
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	5	0.47
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	9	0.47
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	15	0.47
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	5	0.47
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	9	0.47
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB1	10	0.47
(2,856)	1:154:D:VAL:HG13	1:155:D:ALA:HB1	18	0.47
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB3	9	0.47
(2,855)	1:154:C:VAL:HG13	1:155:C:ALA:HB1	10	0.47
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB3	9	0.47
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	14	0.47
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	14	0.47
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	14	0.47
(2,728)	1:162:D:ALA:HB2	1:158:D:GLY:HA2	3	0.47
(2,727)	1:162:C:ALA:HB2	1:158:C:GLY:HA2	3	0.47
(2,726)	1:162:B:ALA:HB2	1:158:B:GLY:HA2	3	0.47
(2,725)	1:162:A:ALA:HB2	1:158:A:GLY:HA2	3	0.47
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	1	0.47
(2,680)	1:152:D:LEU:HD12	1:152:D:LEU:HB3	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	18	0.47
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	20	0.47
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	1	0.47
(2,679)	1:152:C:LEU:HD12	1:152:C:LEU:HB3	5	0.47
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	18	0.47
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	1	0.47
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	18	0.47
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	1	0.47
(2,677)	1:152:A:LEU:HD12	1:152:A:LEU:HB3	5	0.47
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	18	0.47
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	20	0.47
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	10	0.47
(2,372)	1:138:D:ILE:HD12	1:138:D:ILE:HA	15	0.47
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	10	0.47
(2,371)	1:138:C:ILE:HD12	1:138:C:ILE:HA	15	0.47
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	10	0.47
(2,370)	1:138:B:ILE:HD12	1:138:B:ILE:HA	15	0.47
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	20	0.47
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	6	0.47
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	10	0.47
(2,369)	1:138:A:ILE:HD12	1:138:A:ILE:HA	15	0.47
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	20	0.47
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	8	0.47
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	8	0.47
(1,622)	1:127:B:THR:HG21	1:127:C:THR:HA	9	0.47
(1,494)	1:135:B:LEU:HD13	1:131:A:ILE:HB	16	0.47
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	20	0.47
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	20	0.47
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	2	0.47
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	13	0.47
(1,259)	1:148:C:MET:HE1	1:145:D:ILE:HG22	4	0.47
(1,232)	1:149:D:LEU:HD11	1:152:C:LEU:HB2	18	0.47
(1,231)	1:149:C:LEU:HD11	1:152:B:LEU:HB2	9	0.47
(1,230)	1:149:B:LEU:HD11	1:152:A:LEU:HB2	9	0.47
(1,229)	1:149:A:LEU:HD11	1:152:D:LEU:HB2	9	0.47
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	7	0.47
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	7	0.47
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	7	0.47
(1,78)	1:153:B:VAL:HG11	1:154:A:VAL:HB	15	0.47
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	18	0.47
(1,24)	1:159:D:PRO:HD2	1:158:C:GLY:HA3	17	0.47
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:127:B:THR:HG23	1:129:C:ASP:HA	7	0.47
(1,9)	1:160:A:THR:HG21	1:160:B:THR:HA	19	0.47
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD13	2	0.46
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	3	0.46
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	3	0.46
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	3	0.46
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	6	0.46
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	3	0.46
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	6	0.46
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	3	0.46
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	6	0.46
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG21	12	0.46
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	1	0.46
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	1	0.46
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	1	0.46
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	1	0.46
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	3	0.46
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	19	0.46
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	19	0.46
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	19	0.46
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	9	0.46
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	9	0.46
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	9	0.46
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	5	0.46
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	5	0.46
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	5	0.46
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	7	0.46
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	19	0.46
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	7	0.46
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB1	1	0.46
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	7	0.46
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	7	0.46
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	19	0.46
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	7	0.46
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	7	0.46
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	7	0.46
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD12	12	0.46
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD13	20	0.46
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD12	12	0.46
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD12	12	0.46
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD13	20	0.46
(2,1622)	1:148:B:MET:H	1:148:B:MET:HG2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1621)	1:148:A:MET:H	1:148:A:MET:HG2	13	0.46
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	11	0.46
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	11	0.46
(2,1363)	1:131:C:ILE:HG13	1:132:D:THR:HG21	10	0.46
(2,1212)	1:145:D:ILE:HD11	1:142:D:LEU:HB2	4	0.46
(2,1211)	1:145:C:ILE:HD11	1:142:C:LEU:HB2	4	0.46
(2,1210)	1:145:B:ILE:HD11	1:142:B:LEU:HB2	4	0.46
(2,1209)	1:145:A:ILE:HD11	1:142:A:LEU:HB2	4	0.46
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG12	5	0.46
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG12	5	0.46
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG12	5	0.46
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG12	5	0.46
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD13	11	0.46
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD13	11	0.46
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD13	11	0.46
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD13	11	0.46
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	1	0.46
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	1	0.46
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	1	0.46
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	1	0.46
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	5	0.46
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	5	0.46
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	5	0.46
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	15	0.46
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	15	0.46
(2,853)	1:154:A:VAL:HG13	1:155:A:ALA:HB1	10	0.46
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	4	0.46
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	4	0.46
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	4	0.46
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	4	0.46
(2,700)	1:163:D:ARG:HG2	1:162:D:ALA:HA	8	0.46
(2,697)	1:163:A:ARG:HG2	1:162:A:ALA:HA	8	0.46
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	2	0.46
(2,680)	1:152:D:LEU:HD13	1:152:D:LEU:HB3	16	0.46
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	2	0.46
(2,679)	1:152:C:LEU:HD13	1:152:C:LEU:HB3	16	0.46
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	2	0.46
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	3	0.46
(2,678)	1:152:B:LEU:HD13	1:152:B:LEU:HB3	16	0.46
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	2	0.46
(2,677)	1:152:A:LEU:HD13	1:152:A:LEU:HB3	16	0.46
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	13	0.46
(2,372)	1:138:D:ILE:HD12	1:138:D:ILE:HA	16	0.46
(2,372)	1:138:D:ILE:HD11	1:138:D:ILE:HA	17	0.46
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	20	0.46
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	3	0.46
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	13	0.46
(2,371)	1:138:C:ILE:HD12	1:138:C:ILE:HA	16	0.46
(2,371)	1:138:C:ILE:HD11	1:138:C:ILE:HA	17	0.46
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	20	0.46
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	3	0.46
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	13	0.46
(2,370)	1:138:B:ILE:HD12	1:138:B:ILE:HA	16	0.46
(2,370)	1:138:B:ILE:HD11	1:138:B:ILE:HA	17	0.46
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	3	0.46
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	13	0.46
(2,369)	1:138:A:ILE:HD11	1:138:A:ILE:HA	17	0.46
(2,40)	1:161:D:SER:HA	1:161:D:SER:HB2	18	0.46
(2,39)	1:161:C:SER:HA	1:161:C:SER:HB2	18	0.46
(2,38)	1:161:B:SER:HA	1:161:B:SER:HB2	18	0.46
(2,37)	1:161:A:SER:HA	1:161:A:SER:HB2	18	0.46
(1,651)	1:127:C:THR:HG22	1:128:D:ASN:HA	5	0.46
(1,650)	1:127:B:THR:HG22	1:128:C:ASN:HA	5	0.46
(1,649)	1:127:A:THR:HG22	1:128:B:ASN:HA	5	0.46
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	20	0.46
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	20	0.46
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD13	13	0.46
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD13	13	0.46
(1,328)	1:145:D:ILE:HG21	1:142:A:LEU:HB2	18	0.46
(1,325)	1:145:A:ILE:HG21	1:142:B:LEU:HB2	18	0.46
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	13	0.46
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	5	0.46
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	5	0.46
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	13	0.46
(1,265)	1:148:A:MET:HE3	1:148:B:MET:HG3	18	0.46
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	12	0.46
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	7	0.46
(1,80)	1:153:D:VAL:HG11	1:154:C:VAL:HB	15	0.46
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	14	0.46
(1,10)	1:160:B:THR:HG21	1:160:C:THR:HA	19	0.46
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD13	2	0.45
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	8	0.45
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD13	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	8	0.45
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	8	0.45
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD13	2	0.45
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	8	0.45
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	3	0.45
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	3	0.45
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	3	0.45
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG21	17	0.45
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	19	0.45
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	19	0.45
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG21	17	0.45
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD21	12	0.45
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	16	0.45
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	16	0.45
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	16	0.45
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	16	0.45
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	13	0.45
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	20	0.45
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	13	0.45
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	20	0.45
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	20	0.45
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	13	0.45
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	20	0.45
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	8	0.45
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	8	0.45
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	8	0.45
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG21	3	0.45
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG21	3	0.45
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG21	3	0.45
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG21	3	0.45
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	19	0.45
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	6	0.45
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	19	0.45
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB1	2	0.45
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	6	0.45
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	20	0.45
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	7	0.45
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD13	14	0.45
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	15	0.45
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	15	0.45
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	15	0.45
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD13	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	15	0.45
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	4	0.45
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	4	0.45
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	4	0.45
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	4	0.45
(2,1361)	1:131:A:ILE:HG13	1:132:B:THR:HG21	10	0.45
(2,1288)	1:153:D:VAL:HG11	1:148:C:MET:HG2	7	0.45
(2,1285)	1:153:A:VAL:HG11	1:148:D:MET:HG2	7	0.45
(2,1212)	1:145:D:ILE:HD13	1:142:D:LEU:HB2	14	0.45
(2,1211)	1:145:C:ILE:HD13	1:142:C:LEU:HB2	14	0.45
(2,1210)	1:145:B:ILE:HD13	1:142:B:LEU:HB2	14	0.45
(2,1209)	1:145:A:ILE:HD13	1:142:A:LEU:HB2	14	0.45
(2,1164)	1:157:D:ALA:HB3	1:153:D:VAL:HG13	7	0.45
(2,1163)	1:157:C:ALA:HB3	1:153:C:VAL:HG13	7	0.45
(2,1162)	1:157:B:ALA:HB3	1:153:B:VAL:HG13	7	0.45
(2,1161)	1:157:A:ALA:HB3	1:153:A:VAL:HG13	7	0.45
(2,992)	1:135:D:LEU:HD13	1:135:D:LEU:HB3	10	0.45
(2,991)	1:135:C:LEU:HD13	1:135:C:LEU:HB3	10	0.45
(2,989)	1:135:A:LEU:HD13	1:135:A:LEU:HB3	10	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	1	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	5	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	6	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	9	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	15	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	16	0.45
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	20	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	1	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	6	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	9	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	15	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	16	0.45
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	20	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	1	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	6	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	9	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	15	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	16	0.45
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	20	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	1	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	6	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	15	0.45
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	20	0.45
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	7	0.45
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	10	0.45
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	7	0.45
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	10	0.45
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	7	0.45
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	7	0.45
(2,728)	1:162:D:ALA:HB3	1:158:D:GLY:HA2	20	0.45
(2,726)	1:162:B:ALA:HB3	1:158:B:GLY:HA2	20	0.45
(2,699)	1:163:C:ARG:HG2	1:162:C:ALA:HA	8	0.45
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	8	0.45
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	3	0.45
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	19	0.45
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	3	0.45
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	19	0.45
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	19	0.45
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	3	0.45
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	19	0.45
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	1	0.45
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	1	0.45
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	1	0.45
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	1	0.45
(2,369)	1:138:A:ILE:HD12	1:138:A:ILE:HA	16	0.45
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	8	0.45
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD13	13	0.45
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD13	13	0.45
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	12	0.45
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	5	0.45
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	10	0.45
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	10	0.45
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	13	0.45
(1,267)	1:148:C:MET:HE3	1:148:D:MET:HG3	18	0.45
(1,260)	1:148:D:MET:HE1	1:145:A:ILE:HG22	4	0.45
(1,105)	1:153:A:VAL:HG22	1:154:D:VAL:HB	5	0.45
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	12	0.45
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	12	0.45
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG21	4	0.45
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	18	0.45
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	5	0.45
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD12	7	0.44
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD12	7	0.44
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD12	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD12	7	0.44
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	3	0.44
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	3	0.44
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	3	0.44
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	7	0.44
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG21	17	0.44
(2,2272)	1:148:D:MET:H	1:145:D:ILE:HG23	19	0.44
(2,2271)	1:148:C:MET:H	1:145:C:ILE:HG23	7	0.44
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG23	7	0.44
(2,2270)	1:148:B:MET:H	1:145:B:ILE:HG21	17	0.44
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	19	0.44
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG22	8	0.44
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG22	8	0.44
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	1	0.44
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	13	0.44
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	1	0.44
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD21	12	0.44
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD21	12	0.44
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD21	12	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG22	5	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	9	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	13	0.44
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	15	0.44
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG22	5	0.44
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	9	0.44
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	13	0.44
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG22	5	0.44
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	9	0.44
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	15	0.44
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG22	5	0.44
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	13	0.44
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	14	0.44
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	8	0.44
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	14	0.44
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	14	0.44
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	14	0.44
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG21	6	0.44
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG21	7	0.44
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	9	0.44
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG21	6	0.44
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG21	7	0.44
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG21	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG21	7	0.44
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	16	0.44
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG21	6	0.44
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG21	7	0.44
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	9	0.44
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB1	2	0.44
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	6	0.44
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	20	0.44
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB1	2	0.44
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	6	0.44
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	20	0.44
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB1	2	0.44
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	20	0.44
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	18	0.44
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD13	1	0.44
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD13	1	0.44
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD13	1	0.44
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD13	1	0.44
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD13	14	0.44
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD13	14	0.44
(2,1503)	1:163:C:ARG:H	1:163:C:ARG:HD2	5	0.44
(2,1501)	1:163:A:ARG:H	1:163:A:ARG:HD2	5	0.44
(2,1326)	1:146:B:LEU:HD22	1:144:A:GLU:HG3	4	0.44
(2,1287)	1:153:C:VAL:HG11	1:148:B:MET:HG2	7	0.44
(2,1286)	1:153:B:VAL:HG11	1:148:A:MET:HG2	7	0.44
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	9	0.44
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	15	0.44
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	15	0.44
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG22	8	0.44
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG22	8	0.44
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG22	8	0.44
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG22	8	0.44
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	1	0.44
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	1	0.44
(2,990)	1:135:B:LEU:HD13	1:135:B:LEU:HB3	10	0.44
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	2	0.44
(2,948)	1:138:D:ILE:HG23	1:135:D:LEU:HA	8	0.44
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	2	0.44
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	7	0.44
(2,947)	1:138:C:ILE:HG23	1:135:C:LEU:HA	8	0.44
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	2	0.44
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:138:B:ILE:HG23	1:135:B:LEU:HA	8	0.44
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	2	0.44
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	7	0.44
(2,945)	1:138:A:ILE:HG23	1:135:A:LEU:HA	8	0.44
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	10	0.44
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	10	0.44
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	10	0.44
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	10	0.44
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	9	0.44
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	10	0.44
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	12	0.44
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	18	0.44
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	19	0.44
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	8	0.44
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	12	0.44
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	18	0.44
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	19	0.44
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	10	0.44
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	18	0.44
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	19	0.44
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	8	0.44
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	10	0.44
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	12	0.44
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	18	0.44
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	19	0.44
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	1	0.44
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG13	15	0.44
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	1	0.44
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG13	15	0.44
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG13	19	0.44
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	1	0.44
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG13	15	0.44
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG13	19	0.44
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	1	0.44
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG13	15	0.44
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG13	19	0.44
(2,727)	1:162:C:ALA:HB3	1:158:C:GLY:HA2	20	0.44
(2,725)	1:162:A:ALA:HB3	1:158:A:GLY:HA2	20	0.44
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	6	0.44
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	6	0.44
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	6	0.44
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,440)	1:135:D:LEU:HD11	1:135:D:LEU:HA	16	0.44
(2,439)	1:135:C:LEU:HD11	1:135:C:LEU:HA	16	0.44
(2,438)	1:135:B:LEU:HD11	1:135:B:LEU:HA	16	0.44
(2,437)	1:135:A:LEU:HD11	1:135:A:LEU:HA	16	0.44
(2,372)	1:138:D:ILE:HD13	1:138:D:ILE:HA	14	0.44
(2,370)	1:138:B:ILE:HD13	1:138:B:ILE:HA	14	0.44
(2,136)	1:153:D:VAL:HA	1:156:D:SER:HB2	17	0.44
(2,135)	1:153:C:VAL:HA	1:156:C:SER:HB2	17	0.44
(2,134)	1:153:B:VAL:HA	1:156:B:SER:HB2	17	0.44
(2,133)	1:153:A:VAL:HA	1:156:A:SER:HB2	17	0.44
(1,652)	1:127:D:THR:HG22	1:128:A:ASN:HA	5	0.44
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	16	0.44
(1,415)	1:142:C:LEU:HD11	1:142:D:LEU:HD22	12	0.44
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	12	0.44
(1,327)	1:145:C:ILE:HG21	1:142:D:LEU:HB2	18	0.44
(1,230)	1:149:B:LEU:HD13	1:152:A:LEU:HB2	17	0.44
(1,106)	1:153:B:VAL:HG22	1:154:A:VAL:HB	5	0.44
(1,102)	1:153:B:VAL:HG23	1:152:A:LEU:HB3	2	0.44
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	3	0.44
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	12	0.44
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG21	4	0.44
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	14	0.44
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	14	0.44
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	3	0.44
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	19	0.44
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	19	0.44
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	5	0.44
(1,12)	1:160:D:THR:HG21	1:160:A:THR:HA	19	0.44
(2,2443)	1:137:C:ARG:H	1:138:C:ILE:HD13	14	0.43
(2,2442)	1:137:B:ARG:H	1:138:B:ILE:HD13	14	0.43
(2,2269)	1:148:A:MET:H	1:145:A:ILE:HG23	7	0.43
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG22	8	0.43
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG22	8	0.43
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	1	0.43
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	3	0.43
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	13	0.43
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	3	0.43
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	13	0.43
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	3	0.43
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	3	0.43
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	13	0.43
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	15	0.43
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	13	0.43
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	9	0.43
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	13	0.43
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	15	0.43
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG22	8	0.43
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG22	8	0.43
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG22	8	0.43
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG22	8	0.43
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	15	0.43
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG21	15	0.43
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	15	0.43
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG21	15	0.43
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	2	0.43
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	16	0.43
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG21	18	0.43
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	20	0.43
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	2	0.43
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	9	0.43
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	15	0.43
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	16	0.43
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG21	18	0.43
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	20	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	1	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	2	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	9	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	15	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG21	18	0.43
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	20	0.43
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	1	0.43
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	2	0.43
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	16	0.43
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG21	18	0.43
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	20	0.43
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	16	0.43
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	16	0.43
(2,1988)	1:157:D:ALA:H	1:153:D:VAL:HG13	17	0.43
(2,1987)	1:157:C:ALA:H	1:153:C:VAL:HG13	17	0.43
(2,1985)	1:157:A:ALA:H	1:153:A:VAL:HG13	17	0.43
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD13	15	0.43
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD13	15	0.43
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD13	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD13	15	0.43
(2,1504)	1:163:D:ARG:H	1:163:D:ARG:HD2	5	0.43
(2,1502)	1:163:B:ARG:H	1:163:B:ARG:HD2	5	0.43
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	10	0.43
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	10	0.43
(2,1328)	1:146:D:LEU:HD22	1:144:C:GLU:HG3	4	0.43
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	9	0.43
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	15	0.43
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	9	0.43
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	15	0.43
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	9	0.43
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	1	0.43
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	1	0.43
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	7	0.43
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	10	0.43
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	19	0.43
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	10	0.43
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	19	0.43
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	10	0.43
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	19	0.43
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	19	0.43
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD11	4	0.43
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD11	4	0.43
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD11	4	0.43
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD11	4	0.43
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	4	0.43
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	8	0.43
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	8	0.43
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	12	0.43
(2,780)	1:142:D:LEU:HD11	1:142:D:LEU:HA	15	0.43
(2,779)	1:142:C:LEU:HD11	1:142:C:LEU:HA	15	0.43
(2,778)	1:142:B:LEU:HD11	1:142:B:LEU:HA	15	0.43
(2,777)	1:142:A:LEU:HD11	1:142:A:LEU:HA	15	0.43
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG13	19	0.43
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	7	0.43
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	7	0.43
(2,438)	1:135:B:LEU:HD13	1:135:B:LEU:HA	20	0.43
(2,371)	1:138:C:ILE:HD13	1:138:C:ILE:HA	14	0.43
(2,369)	1:138:A:ILE:HD13	1:138:A:ILE:HA	14	0.43
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	16	0.43
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	16	0.43
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	3	0.43
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	3	0.43
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	3	0.43
(1,232)	1:149:D:LEU:HD13	1:152:C:LEU:HB2	17	0.43
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	4	0.43
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	4	0.43
(1,229)	1:149:A:LEU:HD13	1:152:D:LEU:HB2	17	0.43
(1,108)	1:153:D:VAL:HG22	1:154:C:VAL:HB	5	0.43
(1,107)	1:153:C:VAL:HG22	1:154:B:VAL:HB	5	0.43
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	1	0.43
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	3	0.43
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	3	0.43
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG21	10	0.43
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG21	4	0.43
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	18	0.43
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG21	4	0.43
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	18	0.43
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	3	0.43
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	4	0.43
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	3	0.43
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	14	0.43
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	18	0.43
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	4	0.43
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	18	0.43
(2,2444)	1:137:D:ARG:H	1:138:D:ILE:HD13	14	0.42
(2,2441)	1:137:A:ARG:H	1:138:A:ILE:HD13	14	0.42
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	11	0.42
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	1	0.42
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	1	0.42
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	1	0.42
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	4	0.42
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	4	0.42
(2,2111)	1:132:C:THR:H	1:133:C:ALA:HB1	13	0.42
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	4	0.42
(2,2110)	1:132:B:THR:H	1:133:B:ALA:HB1	13	0.42
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	16	0.42
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	11	0.42
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	11	0.42
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	11	0.42
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	11	0.42
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	13	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	4	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	8	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	13	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	14	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	15	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	17	0.42
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	19	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	1	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	4	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	13	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	14	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	17	0.42
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	19	0.42
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	4	0.42
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	13	0.42
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	14	0.42
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	17	0.42
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	19	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	4	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	13	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	14	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	15	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	17	0.42
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	19	0.42
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	18	0.42
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	16	0.42
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	18	0.42
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	16	0.42
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	18	0.42
(2,1986)	1:157:B:ALA:H	1:153:B:VAL:HG13	17	0.42
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD12	18	0.42
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD12	18	0.42
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD12	18	0.42
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD12	18	0.42
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD13	17	0.42
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD13	17	0.42
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	9	0.42
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	9	0.42
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	9	0.42
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB3	17	0.42
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB3	17	0.42
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB3	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB3	17	0.42
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	1	0.42
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	1	0.42
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	1	0.42
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	1	0.42
(2,1440)	1:144:D:GLU:H	1:144:D:GLU:HG3	4	0.42
(2,1439)	1:144:C:GLU:H	1:144:C:GLU:HG3	4	0.42
(2,1438)	1:144:B:GLU:H	1:144:B:GLU:HG3	4	0.42
(2,1437)	1:144:A:GLU:H	1:144:A:GLU:HG3	4	0.42
(2,1432)	1:146:D:LEU:H	1:146:D:LEU:HD11	3	0.42
(2,1431)	1:146:C:LEU:H	1:146:C:LEU:HD11	3	0.42
(2,1429)	1:146:A:LEU:H	1:146:A:LEU:HD11	3	0.42
(2,1387)	1:149:C:LEU:H	1:149:C:LEU:HD22	5	0.42
(2,1385)	1:149:A:LEU:H	1:149:A:LEU:HD22	5	0.42
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	16	0.42
(2,1357)	1:132:A:THR:HG22	1:134:D:ARG:HD2	16	0.42
(2,1327)	1:146:C:LEU:HD22	1:144:B:GLU:HG3	4	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	1	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	4	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	8	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	12	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	13	0.42
(2,1056)	1:126:D:SER:HA	1:126:D:SER:HB2	18	0.42
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	1	0.42
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	4	0.42
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	8	0.42
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	12	0.42
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	18	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	1	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	4	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	8	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	12	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	13	0.42
(2,1054)	1:126:B:SER:HA	1:126:B:SER:HB2	18	0.42
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	1	0.42
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	4	0.42
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	8	0.42
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	12	0.42
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	13	0.42
(2,1053)	1:126:A:SER:HA	1:126:A:SER:HB2	18	0.42
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	17	0.42
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	17	0.42
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	17	0.42
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	13	0.42
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	13	0.42
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	13	0.42
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	13	0.42
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	4	0.42
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	14	0.42
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	4	0.42
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	14	0.42
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	4	0.42
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	14	0.42
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	9	0.42
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	9	0.42
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	7	0.42
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	9	0.42
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	7	0.42
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	9	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	2	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	3	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	4	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	6	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	10	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	12	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	15	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	16	0.42
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	19	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	2	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	3	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	4	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	6	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	10	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	12	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	15	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	16	0.42
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	19	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	2	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	3	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	4	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	6	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	10	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	15	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	16	0.42
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	19	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	2	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	3	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	4	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	6	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	10	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	12	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	15	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	16	0.42
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	19	0.42
(2,440)	1:135:D:LEU:HD11	1:135:D:LEU:HA	10	0.42
(2,440)	1:135:D:LEU:HD13	1:135:D:LEU:HA	20	0.42
(2,439)	1:135:C:LEU:HD11	1:135:C:LEU:HA	10	0.42
(2,439)	1:135:C:LEU:HD13	1:135:C:LEU:HA	20	0.42
(2,438)	1:135:B:LEU:HD11	1:135:B:LEU:HA	10	0.42
(2,437)	1:135:A:LEU:HD11	1:135:A:LEU:HA	10	0.42
(2,437)	1:135:A:LEU:HD13	1:135:A:LEU:HA	20	0.42
(1,649)	1:127:A:THR:HG22	1:128:B:ASN:HA	6	0.42
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	3	0.42
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	3	0.42
(1,413)	1:142:A:LEU:HD11	1:142:B:LEU:HD22	12	0.42
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	3	0.42
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	10	0.42
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	20	0.42
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	20	0.42
(1,268)	1:148:D:MET:HE3	1:148:A:MET:HG3	18	0.42
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	4	0.42
(1,147)	1:152:C:LEU:HD23	1:148:D:MET:HB2	13	0.42
(1,145)	1:152:A:LEU:HD23	1:148:B:MET:HB2	13	0.42
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	3	0.42
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	1	0.42
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	1	0.42
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG21	8	0.42
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	11	0.42
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	18	0.42
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG21	10	0.42
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	18	0.42
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG21	10	0.42
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	11	0.42
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG21	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	11	0.42
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	3	0.42
(1,11)	1:160:C:THR:HG21	1:160:D:THR:HA	19	0.42
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	20	0.41
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	1	0.41
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	6	0.41
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	11	0.41
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	11	0.41
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	11	0.41
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	1	0.41
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	1	0.41
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG23	18	0.41
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG23	18	0.41
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG23	18	0.41
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG23	18	0.41
(2,2112)	1:132:D:THR:H	1:133:D:ALA:HB1	13	0.41
(2,2109)	1:132:A:THR:H	1:133:A:ALA:HB1	13	0.41
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	16	0.41
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	16	0.41
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	16	0.41
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG22	8	0.41
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG22	8	0.41
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG23	11	0.41
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	10	0.41
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	4	0.41
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	13	0.41
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	13	0.41
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	18	0.41
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	4	0.41
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG21	18	0.41
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	8	0.41
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	8	0.41
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	8	0.41
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB3	17	0.41
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB3	17	0.41
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	3	0.41
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB3	17	0.41
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD13	17	0.41
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD13	17	0.41
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	9	0.41
(2,1698)	1:142:B:LEU:H	1:142:B:LEU:HD11	14	0.41
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB2	3	0.41
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB2	3	0.41
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB2	3	0.41
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	4	0.41
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	5	0.41
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	9	0.41
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	12	0.41
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	13	0.41
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	14	0.41
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	4	0.41
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	5	0.41
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	9	0.41
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	13	0.41
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	16	0.41
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	4	0.41
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	5	0.41
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	9	0.41
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	12	0.41
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	13	0.41
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	4	0.41
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	5	0.41
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	9	0.41
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	13	0.41
(2,1440)	1:144:D:GLU:H	1:144:D:GLU:HG3	17	0.41
(2,1439)	1:144:C:GLU:H	1:144:C:GLU:HG3	17	0.41
(2,1438)	1:144:B:GLU:H	1:144:B:GLU:HG3	17	0.41
(2,1430)	1:146:B:LEU:H	1:146:B:LEU:HD11	3	0.41
(2,1388)	1:149:D:LEU:H	1:149:D:LEU:HD22	5	0.41
(2,1386)	1:149:B:LEU:H	1:149:B:LEU:HD22	5	0.41
(2,1368)	1:138:D:ILE:HG21	1:139:D:ASP:HB3	14	0.41
(2,1368)	1:138:D:ILE:HG22	1:139:D:ASP:HB3	18	0.41
(2,1367)	1:138:C:ILE:HG22	1:139:C:ASP:HB3	18	0.41
(2,1365)	1:138:A:ILE:HG21	1:139:A:ASP:HB3	14	0.41
(2,1365)	1:138:A:ILE:HG22	1:139:A:ASP:HB3	18	0.41
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	16	0.41
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG21	7	0.41
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD13	10	0.41
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD13	10	0.41
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD13	10	0.41
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD13	10	0.41
(2,1055)	1:126:C:SER:HA	1:126:C:SER:HB2	13	0.41
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	15	0.41
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	15	0.41
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	12	0.41
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	1	0.41
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	14	0.41
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	20	0.41
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	20	0.41
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	20	0.41
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	20	0.41
(2,540)	1:129:D:ASP:HA	1:129:D:ASP:HB2	13	0.41
(2,539)	1:129:C:ASP:HA	1:129:C:ASP:HB2	13	0.41
(2,538)	1:129:B:ASP:HA	1:129:B:ASP:HB2	13	0.41
(2,537)	1:129:A:ASP:HA	1:129:A:ASP:HB2	13	0.41
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	12	0.41
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	16	0.41
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	2	0.41
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	2	0.41
(1,414)	1:142:B:LEU:HD11	1:142:C:LEU:HD22	12	0.41
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	12	0.41
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	12	0.41
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	3	0.41
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	20	0.41
(1,266)	1:148:B:MET:HE3	1:148:C:MET:HG3	18	0.41
(1,231)	1:149:C:LEU:HD13	1:152:B:LEU:HB2	17	0.41
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	4	0.41
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	1	0.41
(1,104)	1:153:D:VAL:HG23	1:152:C:LEU:HB3	2	0.41
(1,103)	1:153:C:VAL:HG23	1:152:B:LEU:HB3	2	0.41
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	15	0.41
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	16	0.41
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG21	8	0.41
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG21	8	0.41
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	4	0.41
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	16	0.41
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	16	0.41
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	1	0.4
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	6	0.4
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	9	0.4
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	16	0.4
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	20	0.4
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	1	0.4
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	9	0.4
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	16	0.4
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	20	0.4
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	1	0.4
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	6	0.4
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	9	0.4
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	16	0.4
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	9	0.4
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	13	0.4
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	16	0.4
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	20	0.4
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	1	0.4
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	16	0.4
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	16	0.4
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG22	8	0.4
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG23	11	0.4
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG23	11	0.4
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG23	11	0.4
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG22	8	0.4
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	2	0.4
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	10	0.4
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	2	0.4
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	2	0.4
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	10	0.4
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	2	0.4
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	7	0.4
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	13	0.4
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	18	0.4
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	4	0.4
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG21	7	0.4
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	4	0.4
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	7	0.4
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG22	11	0.4
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG23	10	0.4
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG22	11	0.4
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG22	11	0.4
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB3	17	0.4
(2,1700)	1:142:D:LEU:H	1:142:D:LEU:HD11	14	0.4
(2,1699)	1:142:C:LEU:H	1:142:C:LEU:HD11	14	0.4
(2,1697)	1:142:A:LEU:H	1:142:A:LEU:HD11	14	0.4
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	11	0.4
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	19	0.4
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	11	0.4
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	12	0.4
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	14	0.4
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	19	0.4
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	11	0.4
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	14	0.4
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	16	0.4
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	19	0.4
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	11	0.4
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	12	0.4
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	14	0.4
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	16	0.4
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	19	0.4
(2,1437)	1:144:A:GLU:H	1:144:A:GLU:HG3	17	0.4
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	5	0.4
(2,1367)	1:138:C:ILE:HG21	1:139:C:ASP:HB3	14	0.4
(2,1366)	1:138:B:ILE:HG21	1:139:B:ASP:HB3	14	0.4
(2,1366)	1:138:B:ILE:HG22	1:139:B:ASP:HB3	18	0.4
(2,1360)	1:132:D:THR:HG22	1:134:C:ARG:HD2	10	0.4
(2,1315)	1:148:C:MET:HE3	1:153:D:VAL:HG21	5	0.4
(2,1314)	1:148:B:MET:HE3	1:153:C:VAL:HG21	5	0.4
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG21	7	0.4
(2,1164)	1:157:D:ALA:HB2	1:153:D:VAL:HG13	12	0.4
(2,1163)	1:157:C:ALA:HB2	1:153:C:VAL:HG13	12	0.4
(2,1162)	1:157:B:ALA:HB2	1:153:B:VAL:HG13	12	0.4
(2,1161)	1:157:A:ALA:HB2	1:153:A:VAL:HG13	12	0.4
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	16	0.4
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	15	0.4
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	16	0.4
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	12	0.4
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	12	0.4
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	12	0.4
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD13	14	0.4
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD13	14	0.4
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG22	11	0.4
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	16	0.4
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	1	0.4
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG22	11	0.4
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	16	0.4
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	1	0.4
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG22	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	16	0.4
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	1	0.4
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG22	11	0.4
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	16	0.4
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	10	0.4
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	10	0.4
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	10	0.4
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	10	0.4
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE1	5	0.4
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE1	5	0.4
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE1	5	0.4
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE1	5	0.4
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	2	0.4
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	2	0.4
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	2	0.4
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	2	0.4
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG23	17	0.4
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG23	17	0.4
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG23	17	0.4
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG23	17	0.4
(2,680)	1:152:D:LEU:HD11	1:152:D:LEU:HB3	17	0.4
(2,679)	1:152:C:LEU:HD11	1:152:C:LEU:HB3	17	0.4
(2,678)	1:152:B:LEU:HD11	1:152:B:LEU:HB3	17	0.4
(2,677)	1:152:A:LEU:HD11	1:152:A:LEU:HB3	17	0.4
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	12	0.4
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	12	0.4
(1,663)	1:142:C:LEU:HD23	1:141:B:LYS:HB3	4	0.4
(1,651)	1:127:C:THR:HG22	1:128:D:ASN:HA	6	0.4
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	7	0.4
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	15	0.4
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	20	0.4
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	1	0.4
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	17	0.4
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	20	0.4
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	16	0.4
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	20	0.4
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	20	0.4
(1,416)	1:142:D:LEU:HD11	1:142:A:LEU:HD22	12	0.4
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	10	0.4
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	11	0.4
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	11	0.4
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	12	0.4
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	6	0.4
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	20	0.4
(1,151)	1:145:C:ILE:HG23	1:146:D:LEU:HA	12	0.4
(1,150)	1:145:B:ILE:HG23	1:146:C:LEU:HA	12	0.4
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	15	0.4
(1,104)	1:153:D:VAL:HG21	1:152:C:LEU:HB3	20	0.4
(1,103)	1:153:C:VAL:HG21	1:152:B:LEU:HB3	20	0.4
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	15	0.4
(1,101)	1:153:A:VAL:HG23	1:152:D:LEU:HB3	2	0.4
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	16	0.4
(1,101)	1:153:A:VAL:HG21	1:152:D:LEU:HB3	20	0.4
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	11	0.4
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG21	8	0.4
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	12	0.4
(1,78)	1:153:B:VAL:HG11	1:154:A:VAL:HB	5	0.4
(1,77)	1:153:A:VAL:HG11	1:154:D:VAL:HB	5	0.4
(1,28)	1:159:D:PRO:HD3	1:158:A:GLY:HA2	3	0.4
(1,26)	1:159:B:PRO:HD3	1:158:C:GLY:HA2	3	0.4
(1,25)	1:159:A:PRO:HD3	1:158:B:GLY:HA2	3	0.4
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	2	0.39
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	12	0.39
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	13	0.39
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	2	0.39
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	12	0.39
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	13	0.39
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	2	0.39
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	12	0.39
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	13	0.39
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	2	0.39
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	12	0.39
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	3	0.39
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	3	0.39
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	3	0.39
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG23	10	0.39
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	16	0.39
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	16	0.39
(2,2095)	1:136:C:ASP:H	1:135:C:LEU:HD23	13	0.39
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	10	0.39
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	1	0.39
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	9	0.39
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	9	0.39
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG21	18	0.39
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	1	0.39
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	9	0.39
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	1	0.39
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG21	7	0.39
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG23	10	0.39
(2,2020)	1:151:D:THR:H	1:154:D:VAL:HG21	12	0.39
(2,2019)	1:151:C:THR:H	1:154:C:VAL:HG21	12	0.39
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG23	10	0.39
(2,2018)	1:151:B:THR:H	1:154:B:VAL:HG21	12	0.39
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG23	10	0.39
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG22	11	0.39
(2,2017)	1:151:A:THR:H	1:154:A:VAL:HG21	12	0.39
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	3	0.39
(2,1915)	1:147:C:GLY:H	1:146:C:LEU:HD11	3	0.39
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	10	0.39
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	10	0.39
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	10	0.39
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	6	0.39
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	10	0.39
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	17	0.39
(2,1358)	1:132:B:THR:HG22	1:134:A:ARG:HD2	10	0.39
(2,1316)	1:148:D:MET:HE3	1:153:A:VAL:HG21	5	0.39
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG21	7	0.39
(2,1313)	1:148:A:MET:HE3	1:153:B:VAL:HG21	5	0.39
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG21	7	0.39
(2,1288)	1:153:D:VAL:HG13	1:148:C:MET:HG2	19	0.39
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	16	0.39
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	16	0.39
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	17	0.39
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	11	0.39
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	11	0.39
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	11	0.39
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	11	0.39
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD13	14	0.39
(2,932)	1:142:D:LEU:HG	1:145:D:ILE:HD12	18	0.39
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD13	14	0.39
(2,931)	1:142:C:LEU:HG	1:145:C:ILE:HD12	18	0.39
(2,930)	1:142:B:LEU:HG	1:145:B:ILE:HD12	18	0.39
(2,929)	1:142:A:LEU:HG	1:145:A:ILE:HD12	18	0.39
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG21	17	0.39
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	2	0.39
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	2	0.39
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	2	0.39
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	17	0.39
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	17	0.39
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	17	0.39
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	17	0.39
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	7	0.39
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	12	0.39
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG13	13	0.39
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	7	0.39
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	12	0.39
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG13	13	0.39
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	7	0.39
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	12	0.39
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG13	13	0.39
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	7	0.39
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	12	0.39
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	17	0.39
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	17	0.39
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	17	0.39
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	2	0.39
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	2	0.39
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	2	0.39
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	2	0.39
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	12	0.39
(1,662)	1:142:B:LEU:HD23	1:141:A:LYS:HB3	4	0.39
(1,661)	1:142:A:LEU:HD23	1:141:D:LYS:HB3	4	0.39
(1,652)	1:127:D:THR:HG22	1:128:A:ASN:HA	6	0.39
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	7	0.39
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	7	0.39
(1,650)	1:127:B:THR:HG22	1:128:C:ASN:HA	6	0.39
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	7	0.39
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	1	0.39
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	16	0.39
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	19	0.39
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	6	0.39
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	15	0.39
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	16	0.39
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	15	0.39
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	6	0.39
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	3	0.39
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	3	0.39
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	3	0.39
(1,328)	1:145:D:ILE:HG23	1:142:A:LEU:HB2	4	0.39
(1,326)	1:145:B:ILE:HG23	1:142:C:LEU:HB2	4	0.39
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	11	0.39
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	6	0.39
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	13	0.39
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	12	0.39
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	13	0.39
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	7	0.39
(1,149)	1:145:A:ILE:HG23	1:146:B:LEU:HA	12	0.39
(1,148)	1:152:D:LEU:HD23	1:148:A:MET:HB2	13	0.39
(1,146)	1:152:B:LEU:HD23	1:148:C:MET:HB2	13	0.39
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	16	0.39
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	16	0.39
(1,102)	1:153:B:VAL:HG21	1:152:A:LEU:HB3	20	0.39
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	15	0.39
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	12	0.39
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	12	0.39
(1,80)	1:153:D:VAL:HG11	1:154:C:VAL:HB	5	0.39
(1,27)	1:159:C:PRO:HD3	1:158:D:GLY:HA2	3	0.39
(2,2464)	1:128:D:ASN:HD22	1:132:D:THR:HG21	8	0.38
(2,2462)	1:128:B:ASN:HD22	1:132:B:THR:HG21	8	0.38
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	5	0.38
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	10	0.38
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	15	0.38
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	3	0.38
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	1	0.38
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	1	0.38
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	1	0.38
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD12	4	0.38
(2,2096)	1:136:D:ASP:H	1:135:D:LEU:HD23	13	0.38
(2,2094)	1:136:B:ASP:H	1:135:B:LEU:HD23	13	0.38
(2,2093)	1:136:A:ASP:H	1:135:A:LEU:HD23	13	0.38
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	1	0.38
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	1	0.38
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	7	0.38
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	1	0.38
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	7	0.38
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	7	0.38
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	16	0.38
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	16	0.38
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	16	0.38
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	16	0.38
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	9	0.38
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	3	0.38
(2,1996)	1:154:D:VAL:H	1:155:D:ALA:HB2	5	0.38
(2,1995)	1:154:C:VAL:H	1:155:C:ALA:HB2	5	0.38
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	3	0.38
(2,1993)	1:154:A:VAL:H	1:155:A:ALA:HB2	5	0.38
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD13	4	0.38
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD13	4	0.38
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD13	4	0.38
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD13	4	0.38
(2,1916)	1:147:D:GLY:H	1:146:D:LEU:HD11	3	0.38
(2,1914)	1:147:B:GLY:H	1:146:B:LEU:HD11	3	0.38
(2,1913)	1:147:A:GLY:H	1:146:A:LEU:HD11	3	0.38
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG21	5	0.38
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG21	5	0.38
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG21	5	0.38
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG21	5	0.38
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	6	0.38
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	6	0.38
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	6	0.38
(2,1348)	1:141:D:LYS:HE2	1:146:A:LEU:HD12	3	0.38
(2,1347)	1:141:C:LYS:HE2	1:146:D:LEU:HD12	3	0.38
(2,1346)	1:141:B:LYS:HE2	1:146:C:LEU:HD12	3	0.38
(2,1325)	1:146:A:LEU:HD22	1:144:D:GLU:HG3	4	0.38
(2,1286)	1:153:B:VAL:HG13	1:148:A:MET:HG2	19	0.38
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD11	4	0.38
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD11	4	0.38
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD11	4	0.38
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	17	0.38
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	17	0.38
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	17	0.38
(2,1005)	1:132:A:THR:HG23	1:135:A:LEU:HD11	1	0.38
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	20	0.38
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG21	17	0.38
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	20	0.38
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG21	17	0.38
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG21	17	0.38
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	20	0.38
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	5	0.38
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	8	0.38
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	5	0.38
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	8	0.38
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	5	0.38
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	8	0.38
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	5	0.38
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	8	0.38
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE3	18	0.38
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE3	18	0.38
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE3	18	0.38
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE3	18	0.38
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	6	0.38
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	17	0.38
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	6	0.38
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	6	0.38
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	6	0.38
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG13	13	0.38
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	17	0.38
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	17	0.38
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	14	0.38
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	16	0.38
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	14	0.38
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	16	0.38
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	14	0.38
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	16	0.38
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	14	0.38
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	16	0.38
(2,440)	1:135:D:LEU:HD13	1:135:D:LEU:HA	19	0.38
(2,439)	1:135:C:LEU:HD13	1:135:C:LEU:HA	19	0.38
(2,438)	1:135:B:LEU:HD13	1:135:B:LEU:HA	19	0.38
(2,437)	1:135:A:LEU:HD13	1:135:A:LEU:HA	19	0.38
(1,664)	1:142:D:LEU:HD23	1:141:C:LYS:HB3	4	0.38
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	10	0.38
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	10	0.38
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	10	0.38
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	10	0.38
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	6	0.38
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	18	0.38
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	6	0.38
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	17	0.38
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	19	0.38
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	2	0.38
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	4	0.38
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	15	0.38
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	16	0.38
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	17	0.38
(1,527)	1:132:C:THR:HG22	1:129:B:ASP:HA	1	0.38
(1,526)	1:132:B:THR:HG22	1:129:A:ASP:HA	1	0.38
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	17	0.38
(1,327)	1:145:C:ILE:HG23	1:142:D:LEU:HB2	4	0.38
(1,325)	1:145:A:ILE:HG23	1:142:B:LEU:HB2	4	0.38
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	12	0.38
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	6	0.38
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	12	0.38
(1,267)	1:148:C:MET:HE2	1:148:D:MET:HG3	13	0.38
(1,265)	1:148:A:MET:HE2	1:148:B:MET:HG3	13	0.38
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	7	0.38
(1,152)	1:145:D:ILE:HG23	1:146:A:LEU:HA	12	0.38
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	19	0.38
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	7	0.38
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	12	0.38
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	16	0.38
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	4	0.38
(2,2461)	1:128:A:ASN:HD22	1:132:A:THR:HG21	8	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	5	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	8	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	10	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	11	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	15	0.37
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	17	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	5	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	10	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	11	0.37
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	15	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	5	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	8	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	11	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	15	0.37
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	17	0.37
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	11	0.37
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	17	0.37
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD12	4	0.37
(2,2420)	1:130:D:ASN:HD22	1:131:D:ILE:HD13	12	0.37
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD12	4	0.37
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD12	4	0.37
(2,2418)	1:130:B:ASN:HD22	1:131:B:ILE:HD13	12	0.37
(2,2392)	1:134:D:ARG:H	1:131:D:ILE:HG23	10	0.37
(2,2391)	1:134:C:ARG:H	1:131:C:ILE:HG23	10	0.37
(2,2390)	1:134:B:ARG:H	1:131:B:ILE:HG23	10	0.37
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG21	13	0.37
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	14	0.37
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	14	0.37
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	14	0.37
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	14	0.37
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	2	0.37
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG22	3	0.37
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	7	0.37
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	2	0.37
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG22	3	0.37
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	2	0.37
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG22	3	0.37
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	2	0.37
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG22	3	0.37
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	2	0.37
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG21	19	0.37
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	2	0.37
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG21	19	0.37
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	2	0.37
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG21	19	0.37
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	2	0.37
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG21	19	0.37
(2,1994)	1:154:B:VAL:H	1:155:B:ALA:HB2	5	0.37
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD13	11	0.37
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD11	6	0.37
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	18	0.37
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	18	0.37
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	18	0.37
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	18	0.37
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD13	4	0.37
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	5	0.37
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	5	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	2	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	4	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	8	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	9	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	10	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	11	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	12	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	15	0.37
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	20	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	1	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	2	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	4	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	8	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	9	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	10	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	15	0.37
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	20	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	2	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	9	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	10	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	11	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	12	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	15	0.37
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	20	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	2	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	4	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	8	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	9	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	10	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	11	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	12	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	15	0.37
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	20	0.37
(2,1359)	1:132:C:THR:HG22	1:134:B:ARG:HD2	16	0.37
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	18	0.37
(2,1345)	1:141:A:LYS:HE2	1:146:B:LEU:HD12	3	0.37
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG21	19	0.37
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG22	17	0.37
(2,1287)	1:153:C:VAL:HG13	1:148:B:MET:HG2	19	0.37
(2,1283)	1:153:C:VAL:HG12	1:151:B:THR:HB	3	0.37
(2,1281)	1:153:A:VAL:HG12	1:151:D:THR:HB	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD11	4	0.37
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD13	12	0.37
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD11	13	0.37
(2,1008)	1:132:D:THR:HG23	1:135:D:LEU:HD11	1	0.37
(2,1007)	1:132:C:THR:HG23	1:135:C:LEU:HD11	1	0.37
(2,1006)	1:132:B:THR:HG23	1:135:B:LEU:HD11	1	0.37
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	6	0.37
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	6	0.37
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	6	0.37
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	6	0.37
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB1	16	0.37
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB1	16	0.37
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB1	16	0.37
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB1	16	0.37
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	7	0.37
(2,780)	1:142:D:LEU:HD12	1:142:D:LEU:HA	13	0.37
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	7	0.37
(2,779)	1:142:C:LEU:HD12	1:142:C:LEU:HA	13	0.37
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	7	0.37
(2,778)	1:142:B:LEU:HD12	1:142:B:LEU:HA	13	0.37
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	7	0.37
(2,777)	1:142:A:LEU:HD12	1:142:A:LEU:HA	13	0.37
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	17	0.37
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	17	0.37
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	19	0.37
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	19	0.37
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	19	0.37
(2,440)	1:135:D:LEU:HD13	1:135:D:LEU:HA	4	0.37
(2,440)	1:135:D:LEU:HD11	1:135:D:LEU:HA	6	0.37
(2,440)	1:135:D:LEU:HD12	1:135:D:LEU:HA	18	0.37
(2,439)	1:135:C:LEU:HD13	1:135:C:LEU:HA	4	0.37
(2,439)	1:135:C:LEU:HD11	1:135:C:LEU:HA	6	0.37
(2,439)	1:135:C:LEU:HD12	1:135:C:LEU:HA	18	0.37
(2,438)	1:135:B:LEU:HD13	1:135:B:LEU:HA	4	0.37
(2,438)	1:135:B:LEU:HD11	1:135:B:LEU:HA	6	0.37
(2,438)	1:135:B:LEU:HD12	1:135:B:LEU:HA	18	0.37
(2,437)	1:135:A:LEU:HD13	1:135:A:LEU:HA	4	0.37
(2,437)	1:135:A:LEU:HD11	1:135:A:LEU:HA	6	0.37
(2,437)	1:135:A:LEU:HD12	1:135:A:LEU:HA	18	0.37
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	17	0.37
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	10	0.37
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	1	0.37
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	10	0.37
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	14	0.37
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	18	0.37
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	18	0.37
(1,568)	1:131:D:ILE:HG13	1:127:C:THR:HG21	1	0.37
(1,567)	1:131:C:ILE:HG13	1:127:B:THR:HG21	1	0.37
(1,528)	1:132:D:THR:HG22	1:129:C:ASP:HA	1	0.37
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	19	0.37
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	3	0.37
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	17	0.37
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	17	0.37
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	11	0.37
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	11	0.37
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	14	0.37
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	12	0.37
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	13	0.37
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	14	0.37
(1,266)	1:148:B:MET:HE2	1:148:C:MET:HG3	13	0.37
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	19	0.37
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	7	0.37
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	19	0.37
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	19	0.37
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	16	0.37
(1,79)	1:153:C:VAL:HG11	1:154:B:VAL:HB	5	0.37
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	2	0.37
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG22	4	0.36
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	16	0.36
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG22	4	0.36
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	16	0.36
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG22	4	0.36
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD12	10	0.36
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD13	13	0.36
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD12	10	0.36
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD13	13	0.36
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD12	10	0.36
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD13	13	0.36
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD12	10	0.36
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD13	13	0.36
(2,2463)	1:128:C:ASN:HD22	1:132:C:THR:HG21	8	0.36
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	19	0.36
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	17	0.36
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	19	0.36
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	10	0.36
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	19	0.36
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	19	0.36
(2,2419)	1:130:C:ASN:HD22	1:131:C:ILE:HD13	12	0.36
(2,2417)	1:130:A:ASN:HD22	1:131:A:ILE:HD13	12	0.36
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG21	10	0.36
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG21	10	0.36
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	15	0.36
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	19	0.36
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	15	0.36
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	19	0.36
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	15	0.36
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	19	0.36
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	15	0.36
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	19	0.36
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	20	0.36
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	20	0.36
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD13	11	0.36
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD13	11	0.36
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	10	0.36
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD11	6	0.36
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD11	6	0.36
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD11	6	0.36
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	6	0.36
(2,1700)	1:142:D:LEU:H	1:142:D:LEU:HD11	4	0.36
(2,1699)	1:142:C:LEU:H	1:142:C:LEU:HD11	4	0.36
(2,1698)	1:142:B:LEU:H	1:142:B:LEU:HD11	4	0.36
(2,1697)	1:142:A:LEU:H	1:142:A:LEU:HD11	4	0.36
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	2	0.36
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	2	0.36
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	2	0.36
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	2	0.36
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD13	4	0.36
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	13	0.36
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	17	0.36
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD13	4	0.36
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	13	0.36
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	17	0.36
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD13	4	0.36
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	17	0.36
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	13	0.36
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	17	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	1	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	3	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	6	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	7	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	13	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	14	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	16	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	17	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	18	0.36
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	19	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	3	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	6	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	7	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	11	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	12	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	13	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	14	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	16	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	17	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	18	0.36
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	19	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	1	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	3	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	4	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	6	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	7	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	8	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	13	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	14	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	16	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	17	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	18	0.36
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	19	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	1	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	3	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	6	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	7	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	13	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	16	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	17	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	18	0.36
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	19	0.36
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG21	19	0.36
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG22	13	0.36
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG21	19	0.36
(2,1285)	1:153:A:VAL:HG13	1:148:D:MET:HG2	19	0.36
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG23	10	0.36
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG23	10	0.36
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG23	10	0.36
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG23	10	0.36
(2,1248)	1:137:D:ARG:HG2	1:141:D:LYS:HE2	3	0.36
(2,1247)	1:137:C:ARG:HG2	1:141:C:LYS:HE2	3	0.36
(2,1246)	1:137:B:ARG:HG2	1:141:B:LYS:HE2	3	0.36
(2,1245)	1:137:A:ARG:HG2	1:141:A:LYS:HE2	3	0.36
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	7	0.36
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	7	0.36
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	7	0.36
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	7	0.36
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD13	12	0.36
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD11	13	0.36
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD11	13	0.36
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD13	12	0.36
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD13	12	0.36
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD11	13	0.36
(2,1036)	1:156:D:SER:HB2	1:152:C:LEU:HD12	8	0.36
(2,1035)	1:156:C:SER:HB2	1:152:B:LEU:HD12	8	0.36
(2,1034)	1:156:B:SER:HB2	1:152:A:LEU:HD12	8	0.36
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	3	0.36
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	3	0.36
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	3	0.36
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	3	0.36
(2,780)	1:142:D:LEU:HD12	1:142:D:LEU:HA	11	0.36
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	19	0.36
(2,779)	1:142:C:LEU:HD12	1:142:C:LEU:HA	11	0.36
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	19	0.36
(2,778)	1:142:B:LEU:HD12	1:142:B:LEU:HA	11	0.36
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	19	0.36
(2,777)	1:142:A:LEU:HD12	1:142:A:LEU:HA	11	0.36
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	19	0.36
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	16	0.36
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	16	0.36
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	16	0.36
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	6	0.36
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	19	0.36
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	6	0.36
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	19	0.36
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	6	0.36
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	19	0.36
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	6	0.36
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	19	0.36
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	5	0.36
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	19	0.36
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	5	0.36
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	5	0.36
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	5	0.36
(2,440)	1:135:D:LEU:HD13	1:135:D:LEU:HA	15	0.36
(2,439)	1:135:C:LEU:HD13	1:135:C:LEU:HA	15	0.36
(2,438)	1:135:B:LEU:HD13	1:135:B:LEU:HA	15	0.36
(2,437)	1:135:A:LEU:HD13	1:135:A:LEU:HA	15	0.36
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	5	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	4	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	8	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	10	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	12	0.36
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	14	0.36
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	4	0.36
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	8	0.36
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	11	0.36
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	8	0.36
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	8	0.36
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	10	0.36
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	11	0.36
(1,565)	1:131:A:ILE:HG13	1:127:D:THR:HG21	1	0.36
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	19	0.36
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	12	0.36
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	12	0.36
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	13	0.36
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	11	0.36
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	14	0.36
(1,268)	1:148:D:MET:HE2	1:148:A:MET:HG3	13	0.36
(1,204)	1:138:D:ILE:HD13	1:135:A:LEU:HA	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:138:C:ILE:HD13	1:135:D:LEU:HA	13	0.36
(1,202)	1:138:B:ILE:HD13	1:135:C:LEU:HA	13	0.36
(1,201)	1:138:A:ILE:HD13	1:135:B:LEU:HA	13	0.36
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	1	0.36
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG23	2	0.36
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	1	0.36
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	16	0.35
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG22	4	0.35
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	16	0.35
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD12	18	0.35
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD12	18	0.35
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD12	18	0.35
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD12	18	0.35
(2,2392)	1:134:D:ARG:H	1:131:D:ILE:HG21	13	0.35
(2,2391)	1:134:C:ARG:H	1:131:C:ILE:HG21	13	0.35
(2,2390)	1:134:B:ARG:H	1:131:B:ILE:HG21	13	0.35
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG21	10	0.35
(2,2216)	1:157:D:ALA:H	1:156:D:SER:HB2	20	0.35
(2,2215)	1:157:C:ALA:H	1:156:C:SER:HB2	20	0.35
(2,2214)	1:157:B:ALA:H	1:156:B:SER:HB2	20	0.35
(2,2213)	1:157:A:ALA:H	1:156:A:SER:HB2	20	0.35
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	17	0.35
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	17	0.35
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	1	0.35
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	17	0.35
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	17	0.35
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	20	0.35
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD12	10	0.35
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD12	10	0.35
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD13	11	0.35
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD12	10	0.35
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD11	16	0.35
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD13	20	0.35
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	6	0.35
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	6	0.35
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	6	0.35
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	8	0.35
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	8	0.35
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	8	0.35
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	8	0.35
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	3	0.35
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	3	0.35
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	3	0.35
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	17	0.35
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	17	0.35
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	17	0.35
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	18	0.35
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG21	12	0.35
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG22	13	0.35
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG22	17	0.35
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG22	9	0.35
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG21	12	0.35
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG22	17	0.35
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG22	9	0.35
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG21	19	0.35
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG22	9	0.35
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG22	13	0.35
(2,1282)	1:153:B:VAL:HG12	1:151:A:THR:HB	3	0.35
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG23	19	0.35
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	11	0.35
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG23	19	0.35
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG23	19	0.35
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG23	19	0.35
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	4	0.35
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	4	0.35
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	4	0.35
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG22	9	0.35
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	16	0.35
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	16	0.35
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	16	0.35
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	16	0.35
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	9	0.35
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	9	0.35
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	9	0.35
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	9	0.35
(2,864)	1:148:D:MET:HA	1:151:D:THR:HG23	3	0.35
(2,863)	1:148:C:MET:HA	1:151:C:THR:HG23	3	0.35
(2,861)	1:148:A:MET:HA	1:151:A:THR:HG23	3	0.35
(2,780)	1:142:D:LEU:HD11	1:142:D:LEU:HA	20	0.35
(2,779)	1:142:C:LEU:HD12	1:142:C:LEU:HA	6	0.35
(2,779)	1:142:C:LEU:HD11	1:142:C:LEU:HA	20	0.35
(2,778)	1:142:B:LEU:HD12	1:142:B:LEU:HA	6	0.35
(2,778)	1:142:B:LEU:HD11	1:142:B:LEU:HA	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,777)	1:142:A:LEU:HD12	1:142:A:LEU:HA	6	0.35
(2,777)	1:142:A:LEU:HD11	1:142:A:LEU:HA	20	0.35
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	3	0.35
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	2	0.35
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	3	0.35
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	3	0.35
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	2	0.35
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	3	0.35
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	14	0.35
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	5	0.35
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	5	0.35
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	5	0.35
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	14	0.35
(2,336)	1:141:D:LYS:HE3	1:137:D:ARG:HB2	3	0.35
(2,335)	1:141:C:LYS:HE3	1:137:C:ARG:HB2	3	0.35
(2,334)	1:141:B:LYS:HE3	1:137:B:ARG:HB2	3	0.35
(2,333)	1:141:A:LYS:HE3	1:137:A:ARG:HB2	3	0.35
(1,651)	1:127:C:THR:HG22	1:128:D:ASN:HA	15	0.35
(1,650)	1:127:B:THR:HG22	1:128:C:ASN:HA	15	0.35
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	5	0.35
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	11	0.35
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	12	0.35
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	14	0.35
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	4	0.35
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	5	0.35
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	11	0.35
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	12	0.35
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	12	0.35
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	19	0.35
(1,566)	1:131:B:ILE:HG13	1:127:A:THR:HG21	1	0.35
(1,525)	1:132:A:THR:HG22	1:129:D:ASP:HA	1	0.35
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	19	0.35
(1,482)	1:135:B:LEU:HD22	1:138:A:ILE:HB	11	0.35
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	16	0.35
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD13	3	0.35
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD13	10	0.35
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	17	0.35
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	12	0.35
(1,297)	1:146:A:LEU:HD22	1:141:D:LYS:HE3	11	0.35
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	14	0.35
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	1	0.35
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:145:B:ILE:HG23	1:146:C:LEU:HA	9	0.35
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	1	0.35
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	16	0.35
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	7	0.35
(1,22)	1:159:B:PRO:HD2	1:158:C:GLY:HA3	12	0.35
(1,21)	1:159:A:PRO:HD2	1:158:B:GLY:HA3	12	0.35
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG21	10	0.34
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG21	11	0.34
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG21	11	0.34
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG21	11	0.34
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG21	11	0.34
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	17	0.34
(2,2080)	1:140:D:GLU:H	1:138:D:ILE:HG21	17	0.34
(2,2079)	1:140:C:GLU:H	1:138:C:ILE:HG21	17	0.34
(2,2078)	1:140:B:GLU:H	1:138:B:ILE:HG21	17	0.34
(2,2077)	1:140:A:GLU:H	1:138:A:ILE:HG21	17	0.34
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	1	0.34
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	1	0.34
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	1	0.34
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	6	0.34
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	12	0.34
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	16	0.34
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	20	0.34
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	6	0.34
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	12	0.34
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	6	0.34
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	12	0.34
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	6	0.34
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	12	0.34
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD11	16	0.34
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD13	20	0.34
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD11	16	0.34
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD13	20	0.34
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD11	16	0.34
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD13	20	0.34
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	17	0.34
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	17	0.34
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	17	0.34
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	17	0.34
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	7	0.34
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	7	0.34
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	7	0.34
(2,1379)	1:149:C:LEU:H	1:149:C:LEU:HB3	5	0.34
(2,1378)	1:149:B:LEU:H	1:149:B:LEU:HB3	5	0.34
(2,1377)	1:149:A:LEU:H	1:149:A:LEU:HB3	5	0.34
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	18	0.34
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	18	0.34
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG22	9	0.34
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG21	12	0.34
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG21	12	0.34
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG22	17	0.34
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	3	0.34
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	2	0.34
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	2	0.34
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	2	0.34
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	2	0.34
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	11	0.34
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	11	0.34
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	11	0.34
(2,1140)	1:131:D:ILE:HG23	1:135:D:LEU:HB3	17	0.34
(2,1139)	1:131:C:ILE:HG23	1:135:C:LEU:HB3	17	0.34
(2,1138)	1:131:B:ILE:HG23	1:135:B:LEU:HB3	17	0.34
(2,1137)	1:131:A:ILE:HG23	1:135:A:LEU:HB3	17	0.34
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	2	0.34
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	2	0.34
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	2	0.34
(2,1072)	1:128:D:ASN:HA	1:131:D:ILE:HG21	10	0.34
(2,1071)	1:128:C:ASN:HA	1:131:C:ILE:HG21	10	0.34
(2,1069)	1:128:A:ASN:HA	1:131:A:ILE:HG21	10	0.34
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	4	0.34
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	13	0.34
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	13	0.34
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	13	0.34
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	13	0.34
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	1	0.34
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	1	0.34
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	1	0.34
(2,1035)	1:156:C:SER:HB2	1:152:B:LEU:HD12	13	0.34
(2,1034)	1:156:B:SER:HB2	1:152:A:LEU:HD12	13	0.34
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG22	9	0.34
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG22	9	0.34
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG22	9	0.34
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	13	0.34
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	13	0.34
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD11	1	0.34
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	2	0.34
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	4	0.34
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD11	1	0.34
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	2	0.34
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	4	0.34
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD11	1	0.34
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	2	0.34
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	4	0.34
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD11	1	0.34
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	2	0.34
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	4	0.34
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	6	0.34
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	6	0.34
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	6	0.34
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	6	0.34
(2,862)	1:148:B:MET:HA	1:151:B:THR:HG23	3	0.34
(2,780)	1:142:D:LEU:HD11	1:142:D:LEU:HA	2	0.34
(2,780)	1:142:D:LEU:HD12	1:142:D:LEU:HA	6	0.34
(2,780)	1:142:D:LEU:HD11	1:142:D:LEU:HA	9	0.34
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	1	0.34
(2,779)	1:142:C:LEU:HD11	1:142:C:LEU:HA	2	0.34
(2,779)	1:142:C:LEU:HD11	1:142:C:LEU:HA	9	0.34
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	1	0.34
(2,778)	1:142:B:LEU:HD11	1:142:B:LEU:HA	2	0.34
(2,778)	1:142:B:LEU:HD11	1:142:B:LEU:HA	9	0.34
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	1	0.34
(2,777)	1:142:A:LEU:HD11	1:142:A:LEU:HA	9	0.34
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	1	0.34
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	2	0.34
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	12	0.34
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	16	0.34
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	1	0.34
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	12	0.34
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	16	0.34
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	1	0.34
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	2	0.34
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	12	0.34
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	16	0.34
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	12	0.34
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	16	0.34
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	11	0.34
(1,652)	1:127:D:THR:HG22	1:128:A:ASN:HA	13	0.34
(1,652)	1:127:D:THR:HG22	1:128:A:ASN:HA	15	0.34
(1,649)	1:127:A:THR:HG22	1:128:B:ASN:HA	15	0.34
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD22	9	0.34
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD22	9	0.34
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	19	0.34
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD22	9	0.34
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	14	0.34
(1,498)	1:135:B:LEU:HD13	1:138:A:ILE:HB	17	0.34
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	16	0.34
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	16	0.34
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	16	0.34
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD13	3	0.34
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD13	10	0.34
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD13	3	0.34
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	15	0.34
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	15	0.34
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	16	0.34
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	11	0.34
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	7	0.34
(1,152)	1:145:D:ILE:HG23	1:146:A:LEU:HA	9	0.34
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	18	0.34
(1,151)	1:145:C:ILE:HG23	1:146:D:LEU:HA	9	0.34
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	18	0.34
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	5	0.34
(1,149)	1:145:A:ILE:HG23	1:146:B:LEU:HA	9	0.34
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	3	0.34
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	1	0.34
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG23	2	0.34
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	1	0.34
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	7	0.34
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	7	0.34
(1,23)	1:159:C:PRO:HD2	1:158:D:GLY:HA3	12	0.34
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	15	0.33
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	15	0.33
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	15	0.33
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	7	0.33
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	7	0.33
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD11	7	0.33
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	4	0.33
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD11	7	0.33
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	20	0.33
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	17	0.33
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	17	0.33
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	17	0.33
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	20	0.33
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	20	0.33
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	20	0.33
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	20	0.33
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	17	0.33
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	16	0.33
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	16	0.33
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	16	0.33
(2,1380)	1:149:D:LEU:H	1:149:D:LEU:HB3	5	0.33
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG22	13	0.33
(2,1164)	1:157:D:ALA:HB1	1:153:D:VAL:HG13	17	0.33
(2,1163)	1:157:C:ALA:HB1	1:153:C:VAL:HG13	17	0.33
(2,1162)	1:157:B:ALA:HB1	1:153:B:VAL:HG13	17	0.33
(2,1161)	1:157:A:ALA:HB1	1:153:A:VAL:HG13	17	0.33
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	11	0.33
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	11	0.33
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	11	0.33
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	11	0.33
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	2	0.33
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	2	0.33
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	2	0.33
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	2	0.33
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	2	0.33
(2,1070)	1:128:B:ASN:HA	1:131:B:ILE:HG21	10	0.33
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	1	0.33
(2,1036)	1:156:D:SER:HB2	1:152:C:LEU:HD12	13	0.33
(2,1033)	1:156:A:SER:HB2	1:152:D:LEU:HD12	8	0.33
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	13	0.33
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	3	0.33
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	6	0.33
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	15	0.33
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	20	0.33
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	3	0.33
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	6	0.33
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	20	0.33
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	3	0.33
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	6	0.33
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	15	0.33
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	20	0.33
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	3	0.33
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	6	0.33
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	15	0.33
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	20	0.33
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	4	0.33
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	13	0.33
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	13	0.33
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	4	0.33
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	13	0.33
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	4	0.33
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	13	0.33
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	8	0.33
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	10	0.33
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	10	0.33
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	8	0.33
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	10	0.33
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	17	0.33
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	8	0.33
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	13	0.33
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	20	0.33
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	1	0.33
(2,780)	1:142:D:LEU:HD12	1:142:D:LEU:HA	16	0.33
(2,779)	1:142:C:LEU:HD12	1:142:C:LEU:HA	16	0.33
(2,778)	1:142:B:LEU:HD12	1:142:B:LEU:HA	16	0.33
(2,777)	1:142:A:LEU:HD11	1:142:A:LEU:HA	2	0.33
(2,777)	1:142:A:LEU:HD12	1:142:A:LEU:HA	16	0.33
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	5	0.33
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	18	0.33
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	20	0.33
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	5	0.33
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	18	0.33
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	20	0.33
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	18	0.33
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	20	0.33
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	5	0.33
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	18	0.33
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	14	0.33
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	14	0.33
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	20	0.33
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	20	0.33
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	19	0.33
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	11	0.33
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	11	0.33
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	11	0.33
(1,662)	1:142:B:LEU:HD22	1:141:A:LYS:HB3	18	0.33
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	17	0.33
(1,652)	1:127:D:THR:HG22	1:128:A:ASN:HA	18	0.33
(1,650)	1:127:B:THR:HG22	1:128:C:ASN:HA	13	0.33
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	17	0.33
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG22	18	0.33
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	5	0.33
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD23	13	0.33
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	5	0.33
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD23	13	0.33
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	19	0.33
(1,519)	1:132:C:THR:HG22	1:135:D:LEU:HG	8	0.33
(1,518)	1:132:B:THR:HG23	1:135:A:LEU:HG	6	0.33
(1,500)	1:135:D:LEU:HD13	1:138:C:ILE:HB	17	0.33
(1,468)	1:155:D:ALA:HB3	1:156:A:SER:HA	2	0.33
(1,468)	1:155:D:ALA:HB2	1:156:A:SER:HA	18	0.33
(1,466)	1:155:B:ALA:HB3	1:156:C:SER:HA	2	0.33
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD13	10	0.33
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD13	10	0.33
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD13	3	0.33
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	2	0.33
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	15	0.33
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	9	0.33
(1,297)	1:146:A:LEU:HD22	1:141:D:LYS:HE3	9	0.33
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	2	0.33
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG23	16	0.33
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	1	0.33
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG23	16	0.33
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	2	0.33
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	7	0.33
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	7	0.33
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	5	0.33
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	14	0.33
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	14	0.33
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	14	0.33
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	18	0.33
(1,145)	1:152:A:LEU:HD21	1:148:D:MET:HB2	18	0.33
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	6	0.33
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	16	0.33
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG21	20	0.33
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	15	0.33
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG23	2	0.33
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	3	0.33
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	15	0.33
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	16	0.33
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	3	0.33
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	15	0.33
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	12	0.33
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	12	0.33
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	18	0.32
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	18	0.32
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	18	0.32
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	20	0.32
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	15	0.32
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	18	0.32
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	20	0.32
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD11	5	0.32
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD11	4	0.32
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD11	4	0.32
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	20	0.32
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	20	0.32
(2,2234)	1:155:B:ALA:H	1:151:B:THR:HG23	13	0.32
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	19	0.32
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	19	0.32
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	19	0.32
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	19	0.32
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG22	2	0.32
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	7	0.32
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	7	0.32
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	7	0.32
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG23	5	0.32
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	5	0.32
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG23	17	0.32
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	5	0.32
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG23	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	5	0.32
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG23	17	0.32
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	7	0.32
(2,1700)	1:142:D:LEU:H	1:142:D:LEU:HD11	18	0.32
(2,1699)	1:142:C:LEU:H	1:142:C:LEU:HD11	18	0.32
(2,1698)	1:142:B:LEU:H	1:142:B:LEU:HD11	18	0.32
(2,1697)	1:142:A:LEU:H	1:142:A:LEU:HD11	18	0.32
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB1	15	0.32
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD11	1	0.32
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD11	12	0.32
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD13	16	0.32
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD11	1	0.32
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD11	12	0.32
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD11	1	0.32
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD11	12	0.32
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD11	1	0.32
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD11	12	0.32
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	17	0.32
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	17	0.32
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	17	0.32
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG22	11	0.32
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG22	11	0.32
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG22	14	0.32
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG22	11	0.32
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG22	11	0.32
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG22	14	0.32
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	12	0.32
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	12	0.32
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	12	0.32
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	12	0.32
(2,1080)	1:131:D:ILE:HD11	1:127:D:THR:HB	19	0.32
(2,1079)	1:131:C:ILE:HD11	1:127:C:THR:HB	19	0.32
(2,1078)	1:131:B:ILE:HD11	1:127:B:THR:HB	19	0.32
(2,1078)	1:131:B:ILE:HD11	1:127:B:THR:HB	20	0.32
(2,1077)	1:131:A:ILE:HD11	1:127:A:THR:HB	19	0.32
(2,1033)	1:156:A:SER:HB2	1:152:D:LEU:HD12	13	0.32
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB3	8	0.32
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB3	8	0.32
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB3	8	0.32
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB3	8	0.32
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD11	20	0.32
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD11	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD11	20	0.32
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD11	20	0.32
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	12	0.32
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	12	0.32
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	8	0.32
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD11	11	0.32
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	8	0.32
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	8	0.32
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD11	11	0.32
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	8	0.32
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	4	0.32
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	13	0.32
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	15	0.32
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	17	0.32
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	18	0.32
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	8	0.32
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	13	0.32
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	15	0.32
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	17	0.32
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	18	0.32
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	20	0.32
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	13	0.32
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	15	0.32
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	18	0.32
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	10	0.32
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	15	0.32
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	17	0.32
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	18	0.32
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	20	0.32
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	20	0.32
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	20	0.32
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	5	0.32
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	6	0.32
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	6	0.32
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	6	0.32
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	6	0.32
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	8	0.32
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	19	0.32
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	19	0.32
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	19	0.32
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	14	0.32
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	14	0.32
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	14	0.32
(1,664)	1:142:D:LEU:HD22	1:141:C:LYS:HB3	18	0.32
(1,663)	1:142:C:LEU:HD22	1:141:B:LYS:HB3	18	0.32
(1,661)	1:142:A:LEU:HD22	1:141:D:LYS:HB3	18	0.32
(1,649)	1:127:A:THR:HG22	1:128:B:ASN:HA	13	0.32
(1,648)	1:161:D:SER:HB3	1:160:C:THR:HG22	18	0.32
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD23	13	0.32
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD21	7	0.32
(1,629)	1:153:A:VAL:HA	1:152:D:LEU:HD22	9	0.32
(1,518)	1:132:B:THR:HG22	1:135:C:LEU:HG	8	0.32
(1,497)	1:135:A:LEU:HD13	1:138:D:ILE:HB	17	0.32
(1,493)	1:135:A:LEU:HD13	1:131:D:ILE:HB	3	0.32
(1,484)	1:135:D:LEU:HD22	1:138:C:ILE:HB	11	0.32
(1,467)	1:155:C:ALA:HB2	1:156:D:SER:HA	6	0.32
(1,466)	1:155:B:ALA:HB2	1:156:C:SER:HA	4	0.32
(1,466)	1:155:B:ALA:HB2	1:156:C:SER:HA	18	0.32
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	19	0.32
(1,465)	1:155:A:ALA:HB2	1:156:B:SER:HA	18	0.32
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	2	0.32
(1,311)	1:146:C:LEU:HD23	1:143:B:SER:HB2	6	0.32
(1,310)	1:146:B:LEU:HD23	1:143:A:SER:HB2	6	0.32
(1,309)	1:146:A:LEU:HD21	1:143:D:SER:HB2	2	0.32
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	9	0.32
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	1	0.32
(1,259)	1:148:C:MET:HE1	1:145:D:ILE:HG21	3	0.32
(1,258)	1:148:B:MET:HE1	1:145:C:ILE:HG21	3	0.32
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG23	16	0.32
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	20	0.32
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG23	16	0.32
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	20	0.32
(1,231)	1:149:C:LEU:HD12	1:152:B:LEU:HB2	19	0.32
(1,229)	1:149:A:LEU:HD12	1:152:D:LEU:HB2	19	0.32
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	10	0.32
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	13	0.32
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	5	0.32
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	10	0.32
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	13	0.32
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	14	0.32
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	1	0.32
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	5	0.32
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	10	0.32
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	13	0.32
(1,148)	1:152:D:LEU:HD21	1:148:C:MET:HB2	18	0.32
(1,147)	1:152:C:LEU:HD21	1:148:B:MET:HB2	18	0.32
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	6	0.32
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	6	0.32
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG23	2	0.32
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	15	0.32
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	3	0.32
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	16	0.32
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG21	20	0.32
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG21	20	0.32
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG21	20	0.32
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	1	0.32
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	1	0.32
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	7	0.32
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	12	0.32
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	1	0.32
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	20	0.31
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	20	0.31
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD11	5	0.31
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD11	5	0.31
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD11	5	0.31
(2,2233)	1:155:A:ALA:H	1:151:A:THR:HG23	13	0.31
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG22	2	0.31
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG22	2	0.31
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	7	0.31
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD12	8	0.31
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD12	13	0.31
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD12	13	0.31
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD12	13	0.31
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	13	0.31
(2,1928)	1:135:D:LEU:H	1:135:D:LEU:HD13	19	0.31
(2,1927)	1:135:C:LEU:H	1:135:C:LEU:HD13	19	0.31
(2,1926)	1:135:B:LEU:H	1:135:B:LEU:HD13	19	0.31
(2,1925)	1:135:A:LEU:H	1:135:A:LEU:HD13	19	0.31
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB1	15	0.31
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB1	15	0.31
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB1	15	0.31
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD11	6	0.31
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD11	6	0.31
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD13	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD11	6	0.31
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD13	16	0.31
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD11	6	0.31
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD13	16	0.31
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	15	0.31
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	15	0.31
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG21	18	0.31
(2,1312)	1:148:D:MET:HE2	1:149:A:LEU:HD13	19	0.31
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	17	0.31
(2,1293)	1:152:A:LEU:HD13	1:153:B:VAL:HB	5	0.31
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	13	0.31
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG22	14	0.31
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	13	0.31
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	13	0.31
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG22	14	0.31
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	13	0.31
(2,1080)	1:131:D:ILE:HD11	1:127:D:THR:HB	20	0.31
(2,1079)	1:131:C:ILE:HD11	1:127:C:THR:HB	20	0.31
(2,1077)	1:131:A:ILE:HD11	1:127:A:THR:HB	20	0.31
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	7	0.31
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	11	0.31
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	7	0.31
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	11	0.31
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	7	0.31
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	11	0.31
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	7	0.31
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	12	0.31
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	12	0.31
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	10	0.31
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD11	11	0.31
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	10	0.31
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD11	11	0.31
(2,856)	1:154:D:VAL:HG12	1:155:D:ALA:HB3	13	0.31
(2,855)	1:154:C:VAL:HG12	1:155:C:ALA:HB3	13	0.31
(2,854)	1:154:B:VAL:HG12	1:155:B:ALA:HB3	13	0.31
(2,853)	1:154:A:VAL:HG12	1:155:A:ALA:HB3	13	0.31
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	5	0.31
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	20	0.31
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	5	0.31
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	5	0.31
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	20	0.31
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	20	0.31
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	16	0.31
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	16	0.31
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	16	0.31
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	4	0.31
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	4	0.31
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	4	0.31
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	4	0.31
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	17	0.31
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	17	0.31
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	17	0.31
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	17	0.31
(2,440)	1:135:D:LEU:HD13	1:135:D:LEU:HA	1	0.31
(2,439)	1:135:C:LEU:HD13	1:135:C:LEU:HA	1	0.31
(2,438)	1:135:B:LEU:HD13	1:135:B:LEU:HA	1	0.31
(2,437)	1:135:A:LEU:HD13	1:135:A:LEU:HA	1	0.31
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	20	0.31
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	8	0.31
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	20	0.31
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	8	0.31
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	8	0.31
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	12	0.31
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	12	0.31
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	12	0.31
(1,652)	1:127:D:THR:HG23	1:128:A:ASN:HA	20	0.31
(1,651)	1:127:C:THR:HG22	1:128:D:ASN:HA	13	0.31
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	17	0.31
(1,651)	1:127:C:THR:HG22	1:128:D:ASN:HA	18	0.31
(1,650)	1:127:B:THR:HG22	1:128:C:ASN:HA	18	0.31
(1,650)	1:127:B:THR:HG23	1:128:C:ASN:HA	20	0.31
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	17	0.31
(1,645)	1:161:A:SER:HB3	1:160:D:THR:HG22	18	0.31
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD21	7	0.31
(1,632)	1:153:D:VAL:HA	1:152:C:LEU:HD23	13	0.31
(1,631)	1:153:C:VAL:HA	1:152:B:LEU:HD21	7	0.31
(1,630)	1:153:B:VAL:HA	1:152:A:LEU:HD21	7	0.31
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	13	0.31
(1,517)	1:132:A:THR:HG22	1:135:B:LEU:HG	8	0.31
(1,481)	1:135:A:LEU:HD22	1:138:D:ILE:HB	11	0.31
(1,468)	1:155:D:ALA:HB2	1:156:A:SER:HA	6	0.31
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	19	0.31
(1,467)	1:155:C:ALA:HB2	1:156:D:SER:HA	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:155:B:ALA:HB2	1:156:C:SER:HA	6	0.31
(1,466)	1:155:B:ALA:HB2	1:156:C:SER:HA	7	0.31
(1,465)	1:155:A:ALA:HB3	1:156:B:SER:HA	2	0.31
(1,465)	1:155:A:ALA:HB2	1:156:B:SER:HA	4	0.31
(1,465)	1:155:A:ALA:HB2	1:156:B:SER:HA	6	0.31
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	19	0.31
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD12	6	0.31
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD12	6	0.31
(1,391)	1:142:C:LEU:HD22	1:145:B:ILE:HG12	15	0.31
(1,312)	1:146:D:LEU:HD23	1:143:C:SER:HB2	6	0.31
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	15	0.31
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	16	0.31
(1,311)	1:146:C:LEU:HD21	1:143:B:SER:HB2	16	0.31
(1,310)	1:146:B:LEU:HD21	1:143:A:SER:HB2	16	0.31
(1,309)	1:146:A:LEU:HD23	1:143:D:SER:HB2	6	0.31
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	8	0.31
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	9	0.31
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	11	0.31
(1,260)	1:148:D:MET:HE1	1:145:A:ILE:HG22	15	0.31
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	20	0.31
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	20	0.31
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	1	0.31
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	2	0.31
(1,257)	1:148:A:MET:HE1	1:145:B:ILE:HG21	3	0.31
(1,232)	1:149:D:LEU:HD12	1:152:C:LEU:HB2	19	0.31
(1,230)	1:149:B:LEU:HD12	1:152:A:LEU:HB2	19	0.31
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	1	0.31
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	4	0.31
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	8	0.31
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	8	0.31
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	15	0.31
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	8	0.31
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	10	0.31
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	1	0.31
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	6	0.31
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	8	0.31
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	11	0.31
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	15	0.31
(1,148)	1:152:D:LEU:HD22	1:148:A:MET:HB2	9	0.31
(1,146)	1:152:B:LEU:HD22	1:148:C:MET:HB2	9	0.31
(1,146)	1:152:B:LEU:HD21	1:148:A:MET:HB2	18	0.31
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	2	0.31
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	2	0.31
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	1	0.31
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	2	0.31
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	1	0.31
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	1	0.31
(1,31)	1:159:C:PRO:HD3	1:158:B:GLY:HA3	15	0.31
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	1	0.31
(1,29)	1:159:A:PRO:HD3	1:158:D:GLY:HA3	15	0.31
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	13	0.3
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG21	1	0.3
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	20	0.3
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	15	0.3
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	15	0.3
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	15	0.3
(2,2236)	1:155:D:ALA:H	1:151:D:THR:HG23	13	0.3
(2,2235)	1:155:C:ALA:H	1:151:C:THR:HG23	13	0.3
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG22	2	0.3
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD12	7	0.3
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD12	8	0.3
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD12	7	0.3
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD12	8	0.3
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	8	0.3
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	1	0.3
(2,1333)	1:144:A:GLU:HG3	1:146:B:LEU:HD22	4	0.3
(2,1316)	1:148:D:MET:HE3	1:153:A:VAL:HG23	4	0.3
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG21	18	0.3
(2,1310)	1:148:B:MET:HE2	1:149:C:LEU:HD13	19	0.3
(2,1295)	1:152:C:LEU:HD13	1:153:D:VAL:HB	5	0.3
(2,1287)	1:153:C:VAL:HG11	1:148:B:MET:HG2	12	0.3
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	1	0.3
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	8	0.3
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	1	0.3
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	8	0.3
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	1	0.3
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	8	0.3
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	1	0.3
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	8	0.3
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	19	0.3
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	19	0.3
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	19	0.3
(2,1080)	1:131:D:ILE:HD11	1:127:D:THR:HB	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1079)	1:131:C:ILE:HD11	1:127:C:THR:HB	11	0.3
(2,1068)	1:133:D:ALA:HB1	1:134:D:ARG:HD2	15	0.3
(2,1067)	1:133:C:ALA:HB1	1:134:C:ARG:HD2	15	0.3
(2,1066)	1:133:B:ALA:HB1	1:134:B:ARG:HD2	15	0.3
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB3	16	0.3
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB3	16	0.3
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB3	16	0.3
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB3	16	0.3
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	11	0.3
(2,992)	1:135:D:LEU:HD11	1:135:D:LEU:HB3	13	0.3
(2,991)	1:135:C:LEU:HD11	1:135:C:LEU:HB3	13	0.3
(2,990)	1:135:B:LEU:HD11	1:135:B:LEU:HB3	13	0.3
(2,989)	1:135:A:LEU:HD11	1:135:A:LEU:HB3	13	0.3
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	14	0.3
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	10	0.3
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	14	0.3
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	10	0.3
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	14	0.3
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	14	0.3
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	7	0.3
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	7	0.3
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	7	0.3
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	7	0.3
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	11	0.3
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG12	10	0.3
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	11	0.3
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG12	10	0.3
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	11	0.3
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG12	10	0.3
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	11	0.3
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	16	0.3
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	15	0.3
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	6	0.3
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD21	7	0.3
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	10	0.3
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD11	17	0.3
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD11	18	0.3
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD11	20	0.3
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	6	0.3
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD21	7	0.3
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	10	0.3
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD11	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD11	18	0.3
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	19	0.3
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD11	20	0.3
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	6	0.3
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD21	7	0.3
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	10	0.3
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD11	17	0.3
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD11	18	0.3
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD11	20	0.3
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	6	0.3
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD21	7	0.3
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	10	0.3
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD11	17	0.3
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD11	18	0.3
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD11	20	0.3
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	20	0.3
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	20	0.3
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	20	0.3
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	20	0.3
(2,552)	1:130:D:ASN:HB2	1:133:D:ALA:HB2	5	0.3
(2,551)	1:130:C:ASN:HB2	1:133:C:ALA:HB2	5	0.3
(2,550)	1:130:B:ASN:HB2	1:133:B:ALA:HB2	5	0.3
(2,549)	1:130:A:ASN:HB2	1:133:A:ALA:HB2	5	0.3
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	10	0.3
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	11	0.3
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	11	0.3
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	10	0.3
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	11	0.3
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	11	0.3
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	10	0.3
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	10	0.3
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	10	0.3
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	10	0.3
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	2	0.3
(2,80)	1:157:D:ALA:HB2	1:157:D:ALA:HA	17	0.3
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	2	0.3
(2,79)	1:157:C:ALA:HB2	1:157:C:ALA:HA	17	0.3
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	2	0.3
(2,78)	1:157:B:ALA:HB2	1:157:B:ALA:HA	17	0.3
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	2	0.3
(2,77)	1:157:A:ALA:HB2	1:157:A:ALA:HA	17	0.3
(1,649)	1:127:A:THR:HG23	1:128:B:ASN:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:161:C:SER:HB3	1:160:B:THR:HG22	18	0.3
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	13	0.3
(1,520)	1:132:D:THR:HG23	1:135:C:LEU:HG	6	0.3
(1,520)	1:132:D:THR:HG22	1:135:A:LEU:HG	8	0.3
(1,499)	1:135:C:LEU:HD13	1:138:B:ILE:HB	17	0.3
(1,495)	1:135:C:LEU:HD13	1:131:B:ILE:HB	3	0.3
(1,494)	1:135:B:LEU:HD13	1:131:A:ILE:HB	3	0.3
(1,468)	1:155:D:ALA:HB2	1:156:A:SER:HA	4	0.3
(1,468)	1:155:D:ALA:HB2	1:156:A:SER:HA	7	0.3
(1,467)	1:155:C:ALA:HB3	1:156:D:SER:HA	12	0.3
(1,465)	1:155:A:ALA:HB2	1:156:B:SER:HA	7	0.3
(1,465)	1:155:A:ALA:HB3	1:156:B:SER:HA	12	0.3
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD12	6	0.3
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD12	12	0.3
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD12	12	0.3
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	15	0.3
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	15	0.3
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	8	0.3
(1,260)	1:148:D:MET:HE1	1:145:A:ILE:HG21	3	0.3
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	2	0.3
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	6	0.3
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	11	0.3
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	6	0.3
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	11	0.3
(1,258)	1:148:B:MET:HE1	1:145:C:ILE:HG22	15	0.3
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	11	0.3
(1,152)	1:145:D:ILE:HG23	1:146:A:LEU:HA	3	0.3
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	1	0.3
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	4	0.3
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	6	0.3
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	2	0.3
(1,150)	1:145:B:ILE:HG23	1:146:C:LEU:HA	3	0.3
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	4	0.3
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	6	0.3
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	15	0.3
(1,150)	1:145:B:ILE:HG22	1:146:C:LEU:HA	16	0.3
(1,149)	1:145:A:ILE:HG22	1:146:B:LEU:HA	16	0.3
(1,147)	1:152:C:LEU:HD22	1:148:D:MET:HB2	9	0.3
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	6	0.3
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	6	0.3
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	19	0.3
(1,79)	1:153:C:VAL:HG13	1:154:B:VAL:HB	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	12	0.3
(1,32)	1:159:D:PRO:HD3	1:158:C:GLY:HA3	15	0.3
(1,30)	1:159:B:PRO:HD3	1:158:A:GLY:HA3	15	0.3
(1,18)	1:127:B:THR:HG23	1:129:C:ASP:HA	8	0.3
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	10	0.29
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	13	0.29
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	10	0.29
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	13	0.29
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	10	0.29
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	13	0.29
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	10	0.29
(2,2432)	1:144:D:GLU:H	1:145:D:ILE:HD13	14	0.29
(2,2431)	1:144:C:GLU:H	1:145:C:ILE:HD13	14	0.29
(2,2430)	1:144:B:GLU:H	1:145:B:ILE:HD13	14	0.29
(2,2429)	1:144:A:GLU:H	1:145:A:ILE:HD13	14	0.29
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	14	0.29
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	14	0.29
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	14	0.29
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	14	0.29
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	15	0.29
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	15	0.29
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	15	0.29
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	15	0.29
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	15	0.29
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD12	7	0.29
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD11	14	0.29
(2,1948)	1:145:D:ILE:H	1:144:D:GLU:HB2	17	0.29
(2,1947)	1:145:C:ILE:H	1:144:C:GLU:HB2	17	0.29
(2,1946)	1:145:B:ILE:H	1:144:B:GLU:HB2	17	0.29
(2,1945)	1:145:A:ILE:H	1:144:A:GLU:HB2	17	0.29
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB3	6	0.29
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	1	0.29
(2,1335)	1:144:C:GLU:HG3	1:146:D:LEU:HD22	4	0.29
(2,1316)	1:148:D:MET:HE3	1:153:A:VAL:HG21	3	0.29
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG22	2	0.29
(2,1315)	1:148:C:MET:HE3	1:153:D:VAL:HG21	15	0.29
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG21	18	0.29
(2,1312)	1:148:D:MET:HE3	1:149:A:LEU:HD12	12	0.29
(2,1310)	1:148:B:MET:HE3	1:149:C:LEU:HD13	7	0.29
(2,1309)	1:148:A:MET:HE3	1:149:B:LEU:HD12	12	0.29
(2,1309)	1:148:A:MET:HE2	1:149:B:LEU:HD13	19	0.29
(2,1296)	1:152:D:LEU:HD13	1:153:A:VAL:HB	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1288)	1:153:D:VAL:HG11	1:148:C:MET:HG2	12	0.29
(2,1285)	1:153:A:VAL:HG11	1:148:D:MET:HG2	12	0.29
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	6	0.29
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	18	0.29
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	6	0.29
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	18	0.29
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	6	0.29
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	18	0.29
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	6	0.29
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	19	0.29
(2,1080)	1:131:D:ILE:HD12	1:127:D:THR:HB	14	0.29
(2,1079)	1:131:C:ILE:HD12	1:127:C:THR:HB	14	0.29
(2,1078)	1:131:B:ILE:HD11	1:127:B:THR:HB	11	0.29
(2,1078)	1:131:B:ILE:HD12	1:127:B:THR:HB	14	0.29
(2,1077)	1:131:A:ILE:HD11	1:127:A:THR:HB	11	0.29
(2,1065)	1:133:A:ALA:HB1	1:134:A:ARG:HD2	15	0.29
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB1	11	0.29
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB1	11	0.29
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB1	11	0.29
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	19	0.29
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	2	0.29
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	2	0.29
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	2	0.29
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	8	0.29
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD13	13	0.29
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD13	13	0.29
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD13	13	0.29
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD13	13	0.29
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	19	0.29
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	19	0.29
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	5	0.29
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	19	0.29
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	5	0.29
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	19	0.29
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	16	0.29
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	16	0.29
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	16	0.29
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	16	0.29
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG23	4	0.29
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	11	0.29
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	16	0.29
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG23	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	11	0.29
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	16	0.29
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG23	4	0.29
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG23	9	0.29
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	11	0.29
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	16	0.29
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG23	4	0.29
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	11	0.29
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	16	0.29
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG12	10	0.29
(2,728)	1:162:D:ALA:HB3	1:158:D:GLY:HA2	17	0.29
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	14	0.29
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	15	0.29
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	14	0.29
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	14	0.29
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	15	0.29
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	14	0.29
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	15	0.29
(2,648)	1:141:D:LYS:HE2	1:141:D:LYS:HG2	1	0.29
(2,648)	1:141:D:LYS:HE2	1:141:D:LYS:HG2	16	0.29
(2,647)	1:141:C:LYS:HE2	1:141:C:LYS:HG2	1	0.29
(2,647)	1:141:C:LYS:HE2	1:141:C:LYS:HG2	16	0.29
(2,646)	1:141:B:LYS:HE2	1:141:B:LYS:HG2	1	0.29
(2,645)	1:141:A:LYS:HE2	1:141:A:LYS:HG2	1	0.29
(2,645)	1:141:A:LYS:HE2	1:141:A:LYS:HG2	2	0.29
(2,645)	1:141:A:LYS:HE2	1:141:A:LYS:HG2	16	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	3	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD13	5	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	8	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD23	9	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	11	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD11	14	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	15	0.29
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	19	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	3	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD13	5	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	8	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD23	9	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	11	0.29
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	15	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	3	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD13	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	8	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD23	9	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	11	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD11	14	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	15	0.29
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	19	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	3	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD13	5	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	8	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD23	9	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	11	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD11	14	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	15	0.29
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	19	0.29
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	15	0.29
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	15	0.29
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	15	0.29
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	15	0.29
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	6	0.29
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	8	0.29
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	10	0.29
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	8	0.29
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	10	0.29
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	1	0.29
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	3	0.29
(2,80)	1:157:D:ALA:HB2	1:157:D:ALA:HA	6	0.29
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	12	0.29
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	15	0.29
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	1	0.29
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	3	0.29
(2,79)	1:157:C:ALA:HB2	1:157:C:ALA:HA	6	0.29
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	12	0.29
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	15	0.29
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	1	0.29
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	3	0.29
(2,78)	1:157:B:ALA:HB2	1:157:B:ALA:HA	6	0.29
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	12	0.29
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	15	0.29
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	1	0.29
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	3	0.29
(2,77)	1:157:A:ALA:HB2	1:157:A:ALA:HA	6	0.29
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	15	0.29
(1,649)	1:127:A:THR:HG22	1:128:B:ASN:HA	18	0.29
(1,647)	1:161:C:SER:HB3	1:160:D:THR:HG21	15	0.29
(1,646)	1:161:B:SER:HB3	1:160:C:THR:HG21	15	0.29
(1,645)	1:161:A:SER:HB3	1:160:B:THR:HG21	15	0.29
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	13	0.29
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	13	0.29
(1,517)	1:132:A:THR:HG21	1:135:B:LEU:HG	11	0.29
(1,496)	1:135:D:LEU:HD13	1:131:C:ILE:HB	3	0.29
(1,483)	1:135:C:LEU:HD22	1:138:B:ILE:HB	11	0.29
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	9	0.29
(1,467)	1:155:C:ALA:HB3	1:156:D:SER:HA	2	0.29
(1,467)	1:155:C:ALA:HB2	1:156:D:SER:HA	7	0.29
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	9	0.29
(1,466)	1:155:B:ALA:HB3	1:156:C:SER:HA	12	0.29
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD12	6	0.29
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD13	17	0.29
(1,392)	1:142:D:LEU:HD22	1:145:C:ILE:HG12	15	0.29
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	8	0.29
(1,297)	1:146:A:LEU:HD22	1:141:D:LYS:HE3	8	0.29
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	6	0.29
(1,258)	1:148:B:MET:HE3	1:145:C:ILE:HG23	8	0.29
(1,257)	1:148:A:MET:HE1	1:145:B:ILE:HG22	15	0.29
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	2	0.29
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	6	0.29
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	11	0.29
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	15	0.29
(1,152)	1:145:D:ILE:HG22	1:146:A:LEU:HA	16	0.29
(1,152)	1:145:D:ILE:HG21	1:146:A:LEU:HA	20	0.29
(1,151)	1:145:C:ILE:HG23	1:146:D:LEU:HA	3	0.29
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	11	0.29
(1,151)	1:145:C:ILE:HG22	1:146:D:LEU:HA	16	0.29
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	20	0.29
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	11	0.29
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	2	0.29
(1,149)	1:145:A:ILE:HG23	1:146:B:LEU:HA	3	0.29
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	4	0.29
(1,149)	1:145:A:ILE:HG21	1:146:B:LEU:HA	20	0.29
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	6	0.29
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG23	13	0.29
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG23	17	0.29
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG23	17	0.29
(1,77)	1:153:A:VAL:HG13	1:154:D:VAL:HB	6	0.29
(1,24)	1:159:D:PRO:HD2	1:158:A:GLY:HA3	12	0.29
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	5	0.28
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	5	0.28
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	8	0.28
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	5	0.28
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	5	0.28
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	17	0.28
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	17	0.28
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	17	0.28
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	17	0.28
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	17	0.28
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	7	0.28
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG21	11	0.28
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG21	14	0.28
(2,2029)	1:154:A:VAL:H	1:151:A:THR:HG22	3	0.28
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD11	14	0.28
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD11	14	0.28
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD11	14	0.28
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG21	19	0.28
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB3	6	0.28
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB3	6	0.28
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB3	6	0.28
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD13	15	0.28
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD13	15	0.28
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD13	15	0.28
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD13	15	0.28
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	1	0.28
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	15	0.28
(2,1334)	1:144:B:GLU:HG3	1:146:C:LEU:HD22	4	0.28
(2,1322)	1:148:B:MET:HE3	1:150:C:HIS:HA	13	0.28
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG21	6	0.28
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG21	6	0.28
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG21	11	0.28
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG23	20	0.28
(2,1314)	1:148:B:MET:HE3	1:153:C:VAL:HG21	3	0.28
(2,1314)	1:148:B:MET:HE3	1:153:C:VAL:HG23	4	0.28
(2,1313)	1:148:A:MET:HE3	1:153:B:VAL:HG21	3	0.28
(2,1313)	1:148:A:MET:HE3	1:153:B:VAL:HG21	15	0.28
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG21	18	0.28
(2,1312)	1:148:D:MET:HE3	1:149:A:LEU:HD13	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1311)	1:148:C:MET:HE3	1:149:D:LEU:HD13	7	0.28
(2,1311)	1:148:C:MET:HE3	1:149:D:LEU:HD12	12	0.28
(2,1310)	1:148:B:MET:HE3	1:149:C:LEU:HD12	12	0.28
(2,1309)	1:148:A:MET:HE3	1:149:B:LEU:HD13	7	0.28
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	19	0.28
(2,1294)	1:152:B:LEU:HD13	1:153:C:VAL:HB	5	0.28
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	19	0.28
(2,1286)	1:153:B:VAL:HG11	1:148:A:MET:HG2	12	0.28
(2,1283)	1:153:C:VAL:HG12	1:151:B:THR:HB	12	0.28
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	18	0.28
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	9	0.28
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	9	0.28
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	9	0.28
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	9	0.28
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	15	0.28
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	15	0.28
(2,1077)	1:131:A:ILE:HD12	1:127:A:THR:HB	14	0.28
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	15	0.28
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	20	0.28
(2,1061)	1:133:A:ALA:HB3	1:129:A:ASP:HB2	8	0.28
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB3	10	0.28
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB3	14	0.28
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	19	0.28
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB3	14	0.28
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	19	0.28
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB3	5	0.28
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB3	14	0.28
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	19	0.28
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB3	5	0.28
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB3	14	0.28
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	7	0.28
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	8	0.28
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	10	0.28
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	2	0.28
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	7	0.28
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	8	0.28
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	10	0.28
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	7	0.28
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	8	0.28
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	10	0.28
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	7	0.28
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	5	0.28
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	7	0.28
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD12	19	0.28
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	5	0.28
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	7	0.28
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD11	18	0.28
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD12	19	0.28
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	5	0.28
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	7	0.28
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD11	18	0.28
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD12	19	0.28
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	5	0.28
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	7	0.28
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD11	18	0.28
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD12	19	0.28
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	4	0.28
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	4	0.28
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	4	0.28
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	4	0.28
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	3	0.28
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	5	0.28
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	12	0.28
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	17	0.28
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	3	0.28
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	5	0.28
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD22	6	0.28
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	12	0.28
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	17	0.28
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	3	0.28
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD22	6	0.28
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	11	0.28
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	12	0.28
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	17	0.28
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	3	0.28
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD22	6	0.28
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	12	0.28
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	17	0.28
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	15	0.28
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	17	0.28
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	15	0.28
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	17	0.28
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	17	0.28
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	15	0.28
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	17	0.28
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG23	2	0.28
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	6	0.28
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG23	9	0.28
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	12	0.28
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	14	0.28
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG23	19	0.28
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG23	2	0.28
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	6	0.28
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG23	9	0.28
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	12	0.28
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	14	0.28
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG23	19	0.28
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG23	2	0.28
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	6	0.28
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	12	0.28
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	14	0.28
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG23	19	0.28
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG23	2	0.28
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	6	0.28
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG23	9	0.28
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	12	0.28
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	14	0.28
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG23	19	0.28
(2,780)	1:142:D:LEU:HD11	1:142:D:LEU:HA	12	0.28
(2,779)	1:142:C:LEU:HD11	1:142:C:LEU:HA	12	0.28
(2,778)	1:142:B:LEU:HD11	1:142:B:LEU:HA	12	0.28
(2,777)	1:142:A:LEU:HD11	1:142:A:LEU:HA	12	0.28
(2,743)	1:150:C:HIS:HA	1:153:C:VAL:HG11	8	0.28
(2,727)	1:162:C:ALA:HB3	1:158:C:GLY:HA2	17	0.28
(2,726)	1:162:B:ALA:HB3	1:158:B:GLY:HA2	17	0.28
(2,725)	1:162:A:ALA:HB3	1:158:A:GLY:HA2	17	0.28
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	8	0.28
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	8	0.28
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	8	0.28
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	10	0.28
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	9	0.28
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	9	0.28
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	9	0.28
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,648)	1:141:D:LYS:HE2	1:141:D:LYS:HG2	2	0.28
(2,647)	1:141:C:LYS:HE2	1:141:C:LYS:HG2	2	0.28
(2,646)	1:141:B:LYS:HE2	1:141:B:LYS:HG2	2	0.28
(2,646)	1:141:B:LYS:HE2	1:141:B:LYS:HG2	16	0.28
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD13	12	0.28
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD13	12	0.28
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD11	14	0.28
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD13	12	0.28
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD13	12	0.28
(2,438)	1:135:B:LEU:HD12	1:135:B:LEU:HA	3	0.28
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	4	0.28
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	6	0.28
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	9	0.28
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	11	0.28
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	4	0.28
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	6	0.28
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	9	0.28
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	4	0.28
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	9	0.28
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	4	0.28
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	6	0.28
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	9	0.28
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	11	0.28
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	8	0.28
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	8	0.28
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	5	0.28
(2,84)	1:157:D:ALA:HB2	1:153:D:VAL:HA	15	0.28
(2,83)	1:157:C:ALA:HB2	1:153:C:VAL:HA	12	0.28
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	5	0.28
(2,82)	1:157:B:ALA:HB2	1:153:B:VAL:HA	15	0.28
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	4	0.28
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	5	0.28
(2,81)	1:157:A:ALA:HB2	1:153:A:VAL:HA	15	0.28
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	7	0.28
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	11	0.28
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	19	0.28
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	20	0.28
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	7	0.28
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	19	0.28
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	20	0.28
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	7	0.28
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	20	0.28
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	7	0.28
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	19	0.28
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	7	0.28
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	7	0.28
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	7	0.28
(1,648)	1:161:D:SER:HB3	1:160:A:THR:HG21	15	0.28
(1,519)	1:132:C:THR:HG23	1:135:B:LEU:HG	6	0.28
(1,517)	1:132:A:THR:HG22	1:135:D:LEU:HG	10	0.28
(1,468)	1:155:D:ALA:HB3	1:156:A:SER:HA	1	0.28
(1,468)	1:155:D:ALA:HB3	1:156:A:SER:HA	12	0.28
(1,467)	1:155:C:ALA:HB2	1:156:D:SER:HA	4	0.28
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	19	0.28
(1,465)	1:155:A:ALA:HB3	1:156:B:SER:HA	1	0.28
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD13	17	0.28
(1,312)	1:146:D:LEU:HD21	1:143:C:SER:HB2	2	0.28
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	17	0.28
(1,260)	1:148:D:MET:HE3	1:145:A:ILE:HG23	8	0.28
(1,259)	1:148:C:MET:HE3	1:145:D:ILE:HG23	8	0.28
(1,259)	1:148:C:MET:HE1	1:145:D:ILE:HG22	15	0.28
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	6	0.28
(1,257)	1:148:A:MET:HE3	1:145:B:ILE:HG23	8	0.28
(1,150)	1:145:B:ILE:HG21	1:146:C:LEU:HA	20	0.28
(1,145)	1:152:A:LEU:HD22	1:148:B:MET:HB2	9	0.28
(1,108)	1:153:D:VAL:HG23	1:154:C:VAL:HB	9	0.28
(1,107)	1:153:C:VAL:HG23	1:154:B:VAL:HB	9	0.28
(1,105)	1:153:A:VAL:HG23	1:154:D:VAL:HB	9	0.28
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	5	0.28
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG23	17	0.28
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	19	0.28
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG23	13	0.28
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG23	17	0.28
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG23	13	0.28
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	19	0.28
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	20	0.28
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	20	0.28
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	12	0.28
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	16	0.28
(1,19)	1:127:C:THR:HG23	1:129:D:ASP:HA	8	0.28
(1,17)	1:127:A:THR:HG23	1:129:B:ASP:HA	8	0.28
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	8	0.27
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	17	0.27
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	8	0.27
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	17	0.27
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	8	0.27
(2,2467)	1:128:C:ASN:HD21	1:131:C:ILE:HD12	8	0.27
(2,2465)	1:128:A:ASN:HD21	1:131:A:ILE:HD12	8	0.27
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	4	0.27
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	4	0.27
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	14	0.27
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	4	0.27
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	14	0.27
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	4	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	7	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	8	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	9	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	10	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	12	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	13	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	14	0.27
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	19	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	7	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	8	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	9	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	10	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	12	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	13	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	14	0.27
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	19	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	7	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	8	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	10	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	12	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	13	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	14	0.27
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	19	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	7	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	8	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	9	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	10	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	12	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	13	0.27
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	19	0.27
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	7	0.27
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	7	0.27
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	7	0.27
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG21	11	0.27
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG21	11	0.27
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG21	11	0.27
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG21	14	0.27
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG21	14	0.27
(2,2032)	1:154:D:VAL:H	1:151:D:THR:HG22	3	0.27
(2,2031)	1:154:C:VAL:H	1:151:C:THR:HG22	3	0.27
(2,2030)	1:154:B:VAL:H	1:151:B:THR:HG22	3	0.27
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG21	19	0.27
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG21	19	0.27
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG21	19	0.27
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	12	0.27
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	12	0.27
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	15	0.27
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	12	0.27
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	15	0.27
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	19	0.27
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	12	0.27
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	15	0.27
(2,1580)	1:158:D:GLY:H	1:158:D:GLY:HA3	15	0.27
(2,1579)	1:158:C:GLY:H	1:158:C:GLY:HA3	15	0.27
(2,1578)	1:158:B:GLY:H	1:158:B:GLY:HA3	15	0.27
(2,1577)	1:158:A:GLY:H	1:158:A:GLY:HA3	15	0.27
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	5	0.27
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	10	0.27
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	19	0.27
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	5	0.27
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	10	0.27
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	19	0.27
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	5	0.27
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	10	0.27
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	19	0.27
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	5	0.27
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	10	0.27
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	19	0.27
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD11	20	0.27
(2,1504)	1:163:D:ARG:H	1:163:D:ARG:HD2	12	0.27
(2,1503)	1:163:C:ARG:H	1:163:C:ARG:HD2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1502)	1:163:B:ARG:H	1:163:B:ARG:HD2	12	0.27
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	15	0.27
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	1	0.27
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG21	1	0.27
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG22	2	0.27
(2,1316)	1:148:D:MET:HE3	1:153:A:VAL:HG21	15	0.27
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG23	20	0.27
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG21	1	0.27
(2,1315)	1:148:C:MET:HE3	1:153:D:VAL:HG21	3	0.27
(2,1315)	1:148:C:MET:HE3	1:153:D:VAL:HG23	4	0.27
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG23	10	0.27
(2,1315)	1:148:C:MET:HE1	1:153:D:VAL:HG21	16	0.27
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG21	1	0.27
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG22	2	0.27
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG23	10	0.27
(2,1314)	1:148:B:MET:HE3	1:153:C:VAL:HG21	15	0.27
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG23	20	0.27
(2,1313)	1:148:A:MET:HE3	1:153:B:VAL:HG23	4	0.27
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG21	6	0.27
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG23	10	0.27
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG23	20	0.27
(2,1311)	1:148:C:MET:HE2	1:149:D:LEU:HD13	19	0.27
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	12	0.27
(2,1294)	1:152:B:LEU:HD13	1:153:C:VAL:HB	9	0.27
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	12	0.27
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	12	0.27
(2,1282)	1:153:B:VAL:HG12	1:151:A:THR:HB	17	0.27
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG23	9	0.27
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG23	9	0.27
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG23	9	0.27
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG23	9	0.27
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG21	12	0.27
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG21	12	0.27
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG21	12	0.27
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	14	0.27
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	14	0.27
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	15	0.27
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	20	0.27
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	20	0.27
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	20	0.27
(2,1064)	1:133:D:ALA:HB3	1:129:D:ASP:HB2	8	0.27
(2,1063)	1:133:C:ALA:HB3	1:129:C:ASP:HB2	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1062)	1:133:B:ALA:HB3	1:129:B:ASP:HB2	8	0.27
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB3	10	0.27
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB1	11	0.27
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB3	10	0.27
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB3	5	0.27
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB3	5	0.27
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG23	17	0.27
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG23	17	0.27
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG23	17	0.27
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD11	12	0.27
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD11	18	0.27
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD11	9	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	2	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD22	6	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	11	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	14	0.27
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	20	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	2	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	11	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	14	0.27
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	20	0.27
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	2	0.27
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	14	0.27
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	20	0.27
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	11	0.27
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	14	0.27
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	20	0.27
(2,947)	1:138:C:ILE:HG21	1:135:C:LEU:HA	20	0.27
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG21	3	0.27
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG21	3	0.27
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG21	3	0.27
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG21	3	0.27
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB2	2	0.27
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	15	0.27
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB2	2	0.27
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB2	2	0.27
(2,744)	1:150:D:HIS:HA	1:153:D:VAL:HG11	8	0.27
(2,742)	1:150:B:HIS:HA	1:153:B:VAL:HG11	8	0.27
(2,741)	1:150:A:HIS:HA	1:153:A:VAL:HG11	8	0.27
(2,716)	1:154:D:VAL:HG21	1:150:D:HIS:HA	3	0.27
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	8	0.27
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	11	0.27
(2,715)	1:154:C:VAL:HG21	1:150:C:HIS:HA	3	0.27
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	10	0.27
(2,714)	1:154:B:VAL:HG21	1:150:B:HIS:HA	3	0.27
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	10	0.27
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	11	0.27
(2,713)	1:154:A:VAL:HG21	1:150:A:HIS:HA	3	0.27
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	11	0.27
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	1	0.27
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	2	0.27
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	1	0.27
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	2	0.27
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	1	0.27
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	2	0.27
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	1	0.27
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	2	0.27
(2,544)	1:148:D:MET:HE1	1:146:A:LEU:HB2	14	0.27
(2,440)	1:135:D:LEU:HD12	1:135:D:LEU:HA	3	0.27
(2,439)	1:135:C:LEU:HD12	1:135:C:LEU:HA	3	0.27
(2,437)	1:135:A:LEU:HD12	1:135:A:LEU:HA	3	0.27
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	11	0.27
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	11	0.27
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	3	0.27
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	13	0.27
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	4	0.27
(2,84)	1:157:D:ALA:HB2	1:153:D:VAL:HA	12	0.27
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	4	0.27
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	5	0.27
(2,83)	1:157:C:ALA:HB2	1:153:C:VAL:HA	15	0.27
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	4	0.27
(2,82)	1:157:B:ALA:HB2	1:153:B:VAL:HA	12	0.27
(2,81)	1:157:A:ALA:HB2	1:153:A:VAL:HA	12	0.27
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	8	0.27
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	9	0.27
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	10	0.27
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	14	0.27
(2,80)	1:157:D:ALA:HB2	1:157:D:ALA:HA	18	0.27
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	4	0.27
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	8	0.27
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	9	0.27
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	10	0.27
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	14	0.27
(2,79)	1:157:C:ALA:HB2	1:157:C:ALA:HA	18	0.27
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	4	0.27
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	8	0.27
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	9	0.27
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	10	0.27
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	11	0.27
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	14	0.27
(2,78)	1:157:B:ALA:HB2	1:157:B:ALA:HA	18	0.27
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	4	0.27
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	8	0.27
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	9	0.27
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	10	0.27
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	11	0.27
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	14	0.27
(2,77)	1:157:A:ALA:HB2	1:157:A:ALA:HA	18	0.27
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	20	0.27
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	12	0.27
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	7	0.27
(1,651)	1:127:C:THR:HG23	1:128:D:ASN:HA	20	0.27
(1,519)	1:132:C:THR:HG21	1:135:D:LEU:HG	11	0.27
(1,517)	1:132:A:THR:HG23	1:135:D:LEU:HG	6	0.27
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	5	0.27
(1,467)	1:155:C:ALA:HB3	1:156:D:SER:HA	1	0.27
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	5	0.27
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	9	0.27
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD13	17	0.27
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG22	10	0.27
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG22	10	0.27
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG22	10	0.27
(1,151)	1:145:C:ILE:HG21	1:146:D:LEU:HA	2	0.27
(1,106)	1:153:B:VAL:HG23	1:154:A:VAL:HB	9	0.27
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	5	0.27
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	6	0.27
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG23	9	0.27
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG23	13	0.27
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	20	0.27
(1,78)	1:153:B:VAL:HG13	1:154:A:VAL:HB	6	0.27
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	20	0.27
(1,20)	1:127:D:THR:HG23	1:129:A:ASP:HA	8	0.27
(2,2468)	1:128:D:ASN:HD21	1:131:D:ILE:HD12	8	0.26
(2,2466)	1:128:B:ASN:HD21	1:131:B:ILE:HD12	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	14	0.26
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	18	0.26
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	18	0.26
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	18	0.26
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	14	0.26
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	18	0.26
(2,2391)	1:134:C:ARG:H	1:131:C:ILE:HG21	1	0.26
(2,2372)	1:136:D:ASP:H	1:137:D:ARG:HB3	10	0.26
(2,2371)	1:136:C:ASP:H	1:137:C:ARG:HB3	10	0.26
(2,2370)	1:136:B:ASP:H	1:137:B:ARG:HB3	10	0.26
(2,2369)	1:136:A:ASP:H	1:137:A:ARG:HB3	10	0.26
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	4	0.26
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	11	0.26
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	17	0.26
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	20	0.26
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	1	0.26
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	4	0.26
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	17	0.26
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	20	0.26
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	4	0.26
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	9	0.26
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	11	0.26
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	17	0.26
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	20	0.26
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	1	0.26
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	4	0.26
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	11	0.26
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	17	0.26
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	18	0.26
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	20	0.26
(2,2142)	1:138:B:ILE:H	1:137:B:ARG:HG2	18	0.26
(2,2141)	1:138:A:ILE:H	1:137:A:ARG:HG2	18	0.26
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG21	14	0.26
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG21	20	0.26
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG21	20	0.26
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	7	0.26
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	15	0.26
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	19	0.26
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	20	0.26
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	19	0.26
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	7	0.26
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	18	0.26
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD11	20	0.26
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	18	0.26
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD11	20	0.26
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	18	0.26
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD11	20	0.26
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	18	0.26
(2,1501)	1:163:A:ARG:H	1:163:A:ARG:HD2	12	0.26
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	16	0.26
(2,1324)	1:148:D:MET:HE1	1:150:A:HIS:HA	13	0.26
(2,1323)	1:148:C:MET:HE1	1:150:D:HIS:HA	13	0.26
(2,1321)	1:148:A:MET:HE1	1:150:B:HIS:HA	13	0.26
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG23	8	0.26
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG21	6	0.26
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG21	11	0.26
(2,1314)	1:148:B:MET:HE1	1:153:C:VAL:HG21	16	0.26
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG22	2	0.26
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG23	8	0.26
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG21	11	0.26
(2,1295)	1:152:C:LEU:HD13	1:153:D:VAL:HB	9	0.26
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	6	0.26
(2,1293)	1:152:A:LEU:HD13	1:153:B:VAL:HB	9	0.26
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	16	0.26
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	7	0.26
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	3	0.26
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	4	0.26
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	3	0.26
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	4	0.26
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	3	0.26
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	4	0.26
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	3	0.26
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	4	0.26
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG21	12	0.26
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG23	9	0.26
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	16	0.26
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG23	9	0.26
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	14	0.26
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	16	0.26
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG23	9	0.26
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG23	9	0.26
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	14	0.26
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	18	0.26
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	18	0.26
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	18	0.26
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD12	3	0.26
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD12	3	0.26
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD12	3	0.26
(2,1067)	1:133:C:ALA:HB1	1:134:C:ARG:HD2	2	0.26
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	7	0.26
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	9	0.26
(2,1064)	1:133:D:ALA:HB3	1:129:D:ASP:HB2	14	0.26
(2,1063)	1:133:C:ALA:HB3	1:129:C:ASP:HB2	14	0.26
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	7	0.26
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	9	0.26
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB3	10	0.26
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	3	0.26
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	3	0.26
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	13	0.26
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	3	0.26
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	13	0.26
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG23	17	0.26
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD12	16	0.26
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD12	16	0.26
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD12	16	0.26
(2,988)	1:149:D:LEU:HB3	1:149:D:LEU:HD11	9	0.26
(2,987)	1:149:C:LEU:HB3	1:149:C:LEU:HD11	12	0.26
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD11	9	0.26
(2,986)	1:149:B:LEU:HB3	1:149:B:LEU:HD11	12	0.26
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD11	9	0.26
(2,985)	1:149:A:LEU:HB3	1:149:A:LEU:HD11	12	0.26
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD22	1	0.26
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	8	0.26
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	10	0.26
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD22	16	0.26
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD22	1	0.26
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD22	9	0.26
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	10	0.26
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD22	16	0.26
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD22	1	0.26
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	8	0.26
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	10	0.26
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD22	16	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD22	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	2	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	8	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD22	9	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	10	0.26
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD22	16	0.26
(2,948)	1:138:D:ILE:HG23	1:135:D:LEU:HA	5	0.26
(2,948)	1:138:D:ILE:HG21	1:135:D:LEU:HA	20	0.26
(2,947)	1:138:C:ILE:HG23	1:135:C:LEU:HA	5	0.26
(2,946)	1:138:B:ILE:HG23	1:135:B:LEU:HA	5	0.26
(2,946)	1:138:B:ILE:HG21	1:135:B:LEU:HA	20	0.26
(2,945)	1:138:A:ILE:HG23	1:135:A:LEU:HA	5	0.26
(2,945)	1:138:A:ILE:HG21	1:135:A:LEU:HA	20	0.26
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	1	0.26
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	1	0.26
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	1	0.26
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	1	0.26
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	15	0.26
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB2	2	0.26
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	15	0.26
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	15	0.26
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	11	0.26
(2,648)	1:141:D:LYS:HE2	1:141:D:LYS:HG2	13	0.26
(2,647)	1:141:C:LYS:HE2	1:141:C:LYS:HG2	13	0.26
(2,646)	1:141:B:LYS:HE2	1:141:B:LYS:HG2	13	0.26
(2,645)	1:141:A:LYS:HE2	1:141:A:LYS:HG2	13	0.26
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD13	13	0.26
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD12	16	0.26
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD13	13	0.26
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD12	16	0.26
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD13	13	0.26
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD12	16	0.26
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD13	13	0.26
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD12	16	0.26
(2,568)	1:127:D:THR:HA	1:130:D:ASN:HB3	18	0.26
(2,567)	1:127:C:THR:HA	1:130:C:ASN:HB3	18	0.26
(2,566)	1:127:B:THR:HA	1:130:B:ASN:HB3	18	0.26
(2,565)	1:127:A:THR:HA	1:130:A:ASN:HB3	18	0.26
(2,516)	1:131:D:ILE:HD12	1:131:D:ILE:HB	8	0.26
(2,515)	1:131:C:ILE:HD12	1:131:C:ILE:HB	8	0.26
(2,514)	1:131:B:ILE:HD12	1:131:B:ILE:HB	8	0.26
(2,513)	1:131:A:ILE:HD12	1:131:A:ILE:HB	8	0.26
(2,440)	1:135:D:LEU:HD12	1:135:D:LEU:HA	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:135:B:LEU:HD12	1:135:B:LEU:HA	12	0.26
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	3	0.26
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	13	0.26
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	3	0.26
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	13	0.26
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	13	0.26
(2,83)	1:157:C:ALA:HB2	1:153:C:VAL:HA	1	0.26
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	9	0.26
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	13	0.26
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	4	0.26
(2,80)	1:157:D:ALA:HB1	1:157:D:ALA:HA	13	0.26
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	16	0.26
(2,79)	1:157:C:ALA:HB1	1:157:C:ALA:HA	13	0.26
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	16	0.26
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	5	0.26
(2,78)	1:157:B:ALA:HB1	1:157:B:ALA:HA	13	0.26
(2,78)	1:157:B:ALA:HB3	1:157:B:ALA:HA	16	0.26
(2,77)	1:157:A:ALA:HB1	1:157:A:ALA:HA	13	0.26
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	16	0.26
(2,8)	1:163:D:ARG:HD2	1:163:D:ARG:HB3	10	0.26
(2,7)	1:163:C:ARG:HD2	1:163:C:ARG:HB3	10	0.26
(2,6)	1:163:B:ARG:HD2	1:163:B:ARG:HB3	10	0.26
(2,5)	1:163:A:ARG:HD2	1:163:A:ARG:HB3	10	0.26
(1,519)	1:132:C:THR:HG22	1:135:B:LEU:HG	10	0.26
(1,496)	1:135:D:LEU:HD11	1:131:C:ILE:HB	12	0.26
(1,467)	1:155:C:ALA:HB1	1:156:D:SER:HA	15	0.26
(1,466)	1:155:B:ALA:HB3	1:156:C:SER:HA	1	0.26
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	5	0.26
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	5	0.26
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	15	0.26
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD12	12	0.26
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD13	17	0.26
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD12	1	0.26
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD12	12	0.26
(1,310)	1:146:B:LEU:HD22	1:143:A:SER:HB2	1	0.26
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	17	0.26
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	17	0.26
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG22	10	0.26
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	5	0.26
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG13	10	0.26
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG23	9	0.26
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG23	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:152:A:LEU:HG	1:153:B:VAL:HG22	5	0.26
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	12	0.26
(1,2)	1:162:B:ALA:HB3	1:160:A:THR:HB	18	0.26
(2,2392)	1:134:D:ARG:H	1:131:D:ILE:HG21	1	0.25
(2,2390)	1:134:B:ARG:H	1:131:B:ILE:HG21	1	0.25
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	7	0.25
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	7	0.25
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	7	0.25
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	7	0.25
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	1	0.25
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	2	0.25
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	6	0.25
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	16	0.25
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	18	0.25
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	2	0.25
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	6	0.25
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	11	0.25
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	16	0.25
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	18	0.25
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	1	0.25
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	2	0.25
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	6	0.25
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	16	0.25
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	18	0.25
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	6	0.25
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	16	0.25
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	11	0.25
(2,2144)	1:138:D:ILE:H	1:137:D:ARG:HG2	18	0.25
(2,2143)	1:138:C:ILE:H	1:137:C:ARG:HG2	18	0.25
(2,2102)	1:133:B:ALA:H	1:132:B:THR:HG21	18	0.25
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	15	0.25
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	15	0.25
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	16	0.25
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG21	20	0.25
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	15	0.25
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	16	0.25
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	16	0.25
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG21	20	0.25
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	10	0.25
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	11	0.25
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	7	0.25
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	11	0.25
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	18	0.25
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	20	0.25
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	7	0.25
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	10	0.25
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	18	0.25
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	20	0.25
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	10	0.25
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	11	0.25
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	20	0.25
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD13	2	0.25
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD13	2	0.25
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD13	2	0.25
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD13	2	0.25
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG23	8	0.25
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG23	10	0.25
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG21	11	0.25
(2,1316)	1:148:D:MET:HE1	1:153:A:VAL:HG21	16	0.25
(2,1315)	1:148:C:MET:HE2	1:153:D:VAL:HG21	14	0.25
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG23	8	0.25
(2,1314)	1:148:B:MET:HE2	1:153:C:VAL:HG21	14	0.25
(2,1313)	1:148:A:MET:HE2	1:153:B:VAL:HG21	14	0.25
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG21	16	0.25
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	6	0.25
(2,1296)	1:152:D:LEU:HD13	1:153:A:VAL:HB	9	0.25
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	12	0.25
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	19	0.25
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	19	0.25
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	6	0.25
(2,1283)	1:153:C:VAL:HG12	1:151:B:THR:HB	7	0.25
(2,1282)	1:153:B:VAL:HG12	1:151:A:THR:HB	7	0.25
(2,1281)	1:153:A:VAL:HG12	1:151:D:THR:HB	17	0.25
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	6	0.25
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG22	12	0.25
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	19	0.25
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	6	0.25
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG22	12	0.25
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	19	0.25
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	6	0.25
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG22	12	0.25
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	19	0.25
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG22	12	0.25
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	19	0.25
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	3	0.25
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	3	0.25
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	3	0.25
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	16	0.25
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	3	0.25
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	16	0.25
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD12	3	0.25
(2,1068)	1:133:D:ALA:HB1	1:134:D:ARG:HD2	2	0.25
(2,1066)	1:133:B:ALA:HB1	1:134:B:ARG:HD2	2	0.25
(2,1065)	1:133:A:ALA:HB1	1:134:A:ARG:HD2	2	0.25
(2,1063)	1:133:C:ALA:HB3	1:129:C:ASP:HB2	5	0.25
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	7	0.25
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	9	0.25
(2,1062)	1:133:B:ALA:HB3	1:129:B:ASP:HB2	5	0.25
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	9	0.25
(2,1062)	1:133:B:ALA:HB3	1:129:B:ASP:HB2	14	0.25
(2,1061)	1:133:A:ALA:HB3	1:129:A:ASP:HB2	5	0.25
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	7	0.25
(2,1061)	1:133:A:ALA:HB3	1:129:A:ASP:HB2	14	0.25
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	12	0.25
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	13	0.25
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	18	0.25
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	2	0.25
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	12	0.25
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	3	0.25
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	12	0.25
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	13	0.25
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	12	0.25
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	18	0.25
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD12	16	0.25
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD22	9	0.25
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	15	0.25
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD21	18	0.25
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	8	0.25
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	18	0.25
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD22	9	0.25
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	15	0.25
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD21	18	0.25
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	15	0.25
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD21	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,947)	1:138:C:ILE:HG22	1:135:C:LEU:HA	1	0.25
(2,945)	1:138:A:ILE:HG22	1:135:A:LEU:HA	1	0.25
(2,855)	1:154:C:VAL:HG11	1:155:C:ALA:HB2	8	0.25
(2,854)	1:154:B:VAL:HG11	1:155:B:ALA:HB2	8	0.25
(2,846)	1:154:B:VAL:HG21	1:153:B:VAL:HB	18	0.25
(2,772)	1:145:D:ILE:HA	1:148:D:MET:HE3	9	0.25
(2,770)	1:145:B:ILE:HA	1:148:B:MET:HE3	9	0.25
(2,769)	1:145:A:ILE:HA	1:148:A:MET:HE3	9	0.25
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	20	0.25
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	20	0.25
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	20	0.25
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	20	0.25
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	10	0.25
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	11	0.25
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	10	0.25
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	11	0.25
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	10	0.25
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	11	0.25
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	10	0.25
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	11	0.25
(2,543)	1:148:C:MET:HE1	1:146:D:LEU:HB2	14	0.25
(2,542)	1:148:B:MET:HE1	1:146:C:LEU:HB2	14	0.25
(2,541)	1:148:A:MET:HE1	1:146:B:LEU:HB2	14	0.25
(2,439)	1:135:C:LEU:HD12	1:135:C:LEU:HA	12	0.25
(2,437)	1:135:A:LEU:HD12	1:135:A:LEU:HA	12	0.25
(2,300)	1:144:D:GLU:HG3	1:144:D:GLU:HB2	17	0.25
(2,299)	1:144:C:GLU:HG3	1:144:C:GLU:HB2	17	0.25
(2,298)	1:144:B:GLU:HG3	1:144:B:GLU:HB2	17	0.25
(2,297)	1:144:A:GLU:HG3	1:144:A:GLU:HB2	17	0.25
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	14	0.25
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	14	0.25
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	17	0.25
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	18	0.25
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	3	0.25
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	18	0.25
(2,120)	1:153:D:VAL:HG22	1:153:D:VAL:HA	4	0.25
(2,119)	1:153:C:VAL:HG23	1:153:C:VAL:HA	7	0.25
(2,118)	1:153:B:VAL:HG22	1:153:B:VAL:HA	4	0.25
(2,84)	1:157:D:ALA:HB2	1:153:D:VAL:HA	1	0.25
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	7	0.25
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	8	0.25
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	13	0.25
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	17	0.25
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	7	0.25
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	9	0.25
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	13	0.25
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	17	0.25
(2,82)	1:157:B:ALA:HB2	1:153:B:VAL:HA	1	0.25
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	7	0.25
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	13	0.25
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	17	0.25
(2,81)	1:157:A:ALA:HB2	1:153:A:VAL:HA	1	0.25
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	7	0.25
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	8	0.25
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	17	0.25
(2,80)	1:157:D:ALA:HB3	1:157:D:ALA:HA	5	0.25
(2,79)	1:157:C:ALA:HB3	1:157:C:ALA:HA	5	0.25
(2,77)	1:157:A:ALA:HB3	1:157:A:ALA:HA	5	0.25
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	9	0.25
(1,520)	1:132:D:THR:HG22	1:135:C:LEU:HG	10	0.25
(1,520)	1:132:D:THR:HG21	1:135:A:LEU:HG	11	0.25
(1,518)	1:132:B:THR:HG22	1:135:A:LEU:HG	10	0.25
(1,484)	1:135:D:LEU:HD21	1:138:C:ILE:HB	8	0.25
(1,483)	1:135:C:LEU:HD21	1:138:B:ILE:HB	8	0.25
(1,482)	1:135:B:LEU:HD21	1:138:A:ILE:HB	8	0.25
(1,481)	1:135:A:LEU:HD21	1:138:D:ILE:HB	8	0.25
(1,468)	1:155:D:ALA:HB1	1:156:A:SER:HA	15	0.25
(1,465)	1:155:A:ALA:HB1	1:156:B:SER:HA	9	0.25
(1,204)	1:138:D:ILE:HD13	1:135:A:LEU:HA	10	0.25
(1,203)	1:138:C:ILE:HD13	1:135:D:LEU:HA	3	0.25
(1,202)	1:138:B:ILE:HD13	1:135:C:LEU:HA	3	0.25
(1,108)	1:153:D:VAL:HG23	1:154:C:VAL:HB	13	0.25
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	5	0.25
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG13	10	0.25
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG23	9	0.25
(1,87)	1:152:C:LEU:HG	1:153:D:VAL:HG22	5	0.25
(1,80)	1:153:D:VAL:HG13	1:154:C:VAL:HB	6	0.25
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	12	0.25
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	10	0.25
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	8	0.24
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	8	0.24
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	14	0.24
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	14	0.24
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	8	0.24
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	14	0.24
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	2	0.24
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	11	0.24
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	11	0.24
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	11	0.24
(2,2104)	1:133:D:ALA:H	1:132:D:THR:HG21	18	0.24
(2,2103)	1:133:C:ALA:H	1:132:C:THR:HG21	18	0.24
(2,2101)	1:133:A:ALA:H	1:132:A:THR:HG21	18	0.24
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	16	0.24
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	15	0.24
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	1	0.24
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	8	0.24
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	18	0.24
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	1	0.24
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	8	0.24
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	1	0.24
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	8	0.24
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	11	0.24
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	1	0.24
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	8	0.24
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	18	0.24
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	16	0.24
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	16	0.24
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	16	0.24
(2,1336)	1:144:D:GLU:HG3	1:146:A:LEU:HD22	4	0.24
(2,1316)	1:148:D:MET:HE2	1:153:A:VAL:HG21	14	0.24
(2,1313)	1:148:A:MET:HE1	1:153:B:VAL:HG21	1	0.24
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	16	0.24
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	16	0.24
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	18	0.24
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	2	0.24
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	18	0.24
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	17	0.24
(2,1283)	1:153:C:VAL:HG12	1:151:B:THR:HB	17	0.24
(2,1281)	1:153:A:VAL:HG12	1:151:D:THR:HB	7	0.24
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	20	0.24
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	20	0.24
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	20	0.24
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	20	0.24
(2,1244)	1:137:D:ARG:HG2	1:141:D:LYS:HE3	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1242)	1:137:B:ARG:HG2	1:141:B:LYS:HE3	19	0.24
(2,1241)	1:137:A:ARG:HG2	1:141:A:LYS:HE3	19	0.24
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG21	18	0.24
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	1	0.24
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG21	18	0.24
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	19	0.24
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	3	0.24
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	3	0.24
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	3	0.24
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	16	0.24
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	16	0.24
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	16	0.24
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	18	0.24
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	18	0.24
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	18	0.24
(2,1064)	1:133:D:ALA:HB3	1:129:D:ASP:HB2	5	0.24
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	18	0.24
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	11	0.24
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	18	0.24
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	11	0.24
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	18	0.24
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	11	0.24
(2,1061)	1:133:A:ALA:HB2	1:129:A:ASP:HB2	17	0.24
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	18	0.24
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	2	0.24
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	18	0.24
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	2	0.24
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	18	0.24
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	2	0.24
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	13	0.24
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	13	0.24
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD21	15	0.24
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	13	0.24
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	13	0.24
(2,948)	1:138:D:ILE:HG22	1:135:D:LEU:HA	1	0.24
(2,946)	1:138:B:ILE:HG22	1:135:B:LEU:HA	1	0.24
(2,856)	1:154:D:VAL:HG11	1:155:D:ALA:HB2	8	0.24
(2,853)	1:154:A:VAL:HG11	1:155:A:ALA:HB2	8	0.24
(2,848)	1:154:D:VAL:HG21	1:153:D:VAL:HB	18	0.24
(2,847)	1:154:C:VAL:HG21	1:153:C:VAL:HB	18	0.24
(2,845)	1:154:A:VAL:HG21	1:153:A:VAL:HB	18	0.24
(2,840)	1:127:D:THR:HB	1:127:D:THR:HG22	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,839)	1:127:C:THR:HB	1:127:C:THR:HG22	7	0.24
(2,838)	1:127:B:THR:HB	1:127:B:THR:HG22	7	0.24
(2,837)	1:127:A:THR:HB	1:127:A:THR:HG22	7	0.24
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	17	0.24
(2,780)	1:142:D:LEU:HD13	1:142:D:LEU:HA	3	0.24
(2,779)	1:142:C:LEU:HD13	1:142:C:LEU:HA	3	0.24
(2,778)	1:142:B:LEU:HD13	1:142:B:LEU:HA	3	0.24
(2,777)	1:142:A:LEU:HD13	1:142:A:LEU:HA	3	0.24
(2,771)	1:145:C:ILE:HA	1:148:C:MET:HE3	9	0.24
(2,716)	1:154:D:VAL:HG21	1:150:D:HIS:HA	6	0.24
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	13	0.24
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	17	0.24
(2,715)	1:154:C:VAL:HG21	1:150:C:HIS:HA	6	0.24
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	13	0.24
(2,714)	1:154:B:VAL:HG21	1:150:B:HIS:HA	6	0.24
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	13	0.24
(2,713)	1:154:A:VAL:HG21	1:150:A:HIS:HA	6	0.24
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	13	0.24
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	17	0.24
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	2	0.24
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	7	0.24
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	2	0.24
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	7	0.24
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	2	0.24
(2,516)	1:131:D:ILE:HD12	1:131:D:ILE:HB	10	0.24
(2,515)	1:131:C:ILE:HD12	1:131:C:ILE:HB	10	0.24
(2,514)	1:131:B:ILE:HD12	1:131:B:ILE:HB	10	0.24
(2,513)	1:131:A:ILE:HD12	1:131:A:ILE:HB	10	0.24
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	17	0.24
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	18	0.24
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	14	0.24
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	17	0.24
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	18	0.24
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	14	0.24
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	17	0.24
(2,120)	1:153:D:VAL:HG23	1:153:D:VAL:HA	7	0.24
(2,119)	1:153:C:VAL:HG22	1:153:C:VAL:HA	4	0.24
(2,118)	1:153:B:VAL:HG23	1:153:B:VAL:HA	7	0.24
(2,117)	1:153:A:VAL:HG22	1:153:A:VAL:HA	4	0.24
(2,117)	1:153:A:VAL:HG23	1:153:A:VAL:HA	7	0.24
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	19	0.24
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	19	0.24
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	8	0.24
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	19	0.24
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	9	0.24
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	19	0.24
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	9	0.24
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	15	0.24
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	15	0.24
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	15	0.24
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	9	0.24
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	15	0.24
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	18	0.24
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	1	0.24
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	18	0.24
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	1	0.24
(1,518)	1:132:B:THR:HG21	1:135:C:LEU:HG	11	0.24
(1,517)	1:132:A:THR:HG22	1:135:D:LEU:HG	16	0.24
(1,466)	1:155:B:ALA:HB1	1:156:C:SER:HA	15	0.24
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD12	1	0.24
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD12	1	0.24
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD12	1	0.24
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	17	0.24
(1,204)	1:138:D:ILE:HD13	1:135:A:LEU:HA	3	0.24
(1,202)	1:138:B:ILE:HD13	1:135:C:LEU:HA	10	0.24
(1,201)	1:138:A:ILE:HD13	1:135:B:LEU:HA	3	0.24
(1,147)	1:152:C:LEU:HD22	1:148:B:MET:HB2	5	0.24
(1,145)	1:152:A:LEU:HD22	1:148:D:MET:HB2	5	0.24
(1,106)	1:153:B:VAL:HG23	1:154:A:VAL:HB	13	0.24
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG12	8	0.24
(1,88)	1:152:D:LEU:HG	1:153:A:VAL:HG22	5	0.24
(1,86)	1:152:B:LEU:HG	1:153:C:VAL:HG22	5	0.24
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	12	0.24
(1,79)	1:153:C:VAL:HG11	1:154:B:VAL:HB	19	0.24
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	4	0.24
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	4	0.24
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	10	0.24
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	4	0.24
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	14	0.24
(1,3)	1:162:C:ALA:HB3	1:160:B:THR:HB	18	0.24
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	15	0.23
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	15	0.23
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	14	0.23
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	11	0.23
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	11	0.23
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	11	0.23
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	3	0.23
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	3	0.23
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	3	0.23
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	3	0.23
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	3	0.23
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	6	0.23
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	8	0.23
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	6	0.23
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	8	0.23
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	6	0.23
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	8	0.23
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	6	0.23
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	8	0.23
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	9	0.23
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	9	0.23
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	9	0.23
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	9	0.23
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	17	0.23
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG23	2	0.23
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG23	2	0.23
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG23	2	0.23
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	3	0.23
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG23	2	0.23
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	3	0.23
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	9	0.23
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	16	0.23
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	2	0.23
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	3	0.23
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	9	0.23
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	16	0.23
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	2	0.23
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	3	0.23
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	9	0.23
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	16	0.23
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	2	0.23
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	3	0.23
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	9	0.23
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	19	0.23
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	20	0.23
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	4	0.23
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	18	0.23
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	20	0.23
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	4	0.23
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	6	0.23
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	16	0.23
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	1	0.23
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	12	0.23
(2,1281)	1:153:A:VAL:HG12	1:151:D:THR:HB	12	0.23
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG22	16	0.23
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG22	16	0.23
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG22	16	0.23
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG22	16	0.23
(2,1243)	1:137:C:ARG:HG2	1:141:C:LYS:HE3	19	0.23
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	1	0.23
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	4	0.23
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	9	0.23
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	16	0.23
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	19	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	1	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	4	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	9	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	14	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	16	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG21	18	0.23
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	19	0.23
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	2	0.23
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	9	0.23
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	14	0.23
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	16	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	1	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	4	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	9	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	14	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	16	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG21	18	0.23
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	19	0.23
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG23	2	0.23
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG23	2	0.23
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG23	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG23	2	0.23
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	3	0.23
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	17	0.23
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	17	0.23
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	17	0.23
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	16	0.23
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	17	0.23
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	18	0.23
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	11	0.23
(2,1064)	1:133:D:ALA:HB2	1:129:D:ASP:HB2	17	0.23
(2,1062)	1:133:B:ALA:HB2	1:129:B:ASP:HB2	17	0.23
(2,1032)	1:157:D:ALA:HB2	1:158:D:GLY:HA2	3	0.23
(2,1030)	1:157:B:ALA:HB2	1:158:B:GLY:HA2	3	0.23
(2,1029)	1:157:A:ALA:HB2	1:158:A:GLY:HA2	3	0.23
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	10	0.23
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	20	0.23
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	10	0.23
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	20	0.23
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	10	0.23
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	20	0.23
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	10	0.23
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	20	0.23
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG22	15	0.23
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG22	15	0.23
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG22	15	0.23
(2,955)	1:145:C:ILE:HB	1:149:C:LEU:HD23	4	0.23
(2,953)	1:145:A:ILE:HB	1:149:A:LEU:HD23	4	0.23
(2,848)	1:154:D:VAL:HG23	1:153:D:VAL:HB	13	0.23
(2,847)	1:154:C:VAL:HG23	1:153:C:VAL:HB	13	0.23
(2,846)	1:154:B:VAL:HG23	1:153:B:VAL:HB	13	0.23
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	17	0.23
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	17	0.23
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	17	0.23
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	17	0.23
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	7	0.23
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	2	0.23
(2,672)	1:152:D:LEU:HD23	1:152:D:LEU:HB3	8	0.23
(2,672)	1:152:D:LEU:HD21	1:152:D:LEU:HB3	13	0.23
(2,671)	1:152:C:LEU:HD23	1:152:C:LEU:HB3	8	0.23
(2,671)	1:152:C:LEU:HD21	1:152:C:LEU:HB3	13	0.23
(2,670)	1:152:B:LEU:HD23	1:152:B:LEU:HB3	8	0.23
(2,670)	1:152:B:LEU:HD21	1:152:B:LEU:HB3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,669)	1:152:A:LEU:HD23	1:152:A:LEU:HB3	8	0.23
(2,648)	1:141:D:LYS:HE2	1:141:D:LYS:HG2	4	0.23
(2,647)	1:141:C:LYS:HE2	1:141:C:LYS:HG2	4	0.23
(2,646)	1:141:B:LYS:HE2	1:141:B:LYS:HG2	4	0.23
(2,645)	1:141:A:LYS:HE2	1:141:A:LYS:HG2	4	0.23
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	4	0.23
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	7	0.23
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	4	0.23
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	7	0.23
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	4	0.23
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	7	0.23
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	4	0.23
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	7	0.23
(2,120)	1:153:D:VAL:HG22	1:153:D:VAL:HA	11	0.23
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	16	0.23
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	16	0.23
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	3	0.23
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	3	0.23
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	3	0.23
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	3	0.23
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	6	0.23
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	1	0.23
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	6	0.23
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	1	0.23
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	6	0.23
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	18	0.23
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	6	0.23
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	6	0.23
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	18	0.23
(2,8)	1:163:D:ARG:HD2	1:163:D:ARG:HB3	7	0.23
(2,7)	1:163:C:ARG:HD2	1:163:C:ARG:HB3	7	0.23
(2,6)	1:163:B:ARG:HD2	1:163:B:ARG:HB3	7	0.23
(2,5)	1:163:A:ARG:HD2	1:163:A:ARG:HB3	7	0.23
(1,628)	1:142:D:LEU:HA	1:145:C:ILE:HD11	3	0.23
(1,627)	1:142:C:LEU:HA	1:145:B:ILE:HD11	3	0.23
(1,626)	1:142:B:LEU:HA	1:145:A:ILE:HD11	3	0.23
(1,625)	1:142:A:LEU:HA	1:145:D:ILE:HD11	3	0.23
(1,517)	1:132:A:THR:HG22	1:135:D:LEU:HG	20	0.23
(1,495)	1:135:C:LEU:HD11	1:131:B:ILE:HB	5	0.23
(1,482)	1:135:B:LEU:HD22	1:138:A:ILE:HB	7	0.23
(1,424)	1:142:D:LEU:HD12	1:145:C:ILE:HB	7	0.23
(1,422)	1:142:B:LEU:HD12	1:145:A:ILE:HB	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:146:D:LEU:HD22	1:143:C:SER:HB2	1	0.23
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	17	0.23
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	13	0.23
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	13	0.23
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	17	0.23
(1,203)	1:138:C:ILE:HD13	1:135:D:LEU:HA	10	0.23
(1,201)	1:138:A:ILE:HD13	1:135:B:LEU:HA	10	0.23
(1,148)	1:152:D:LEU:HD22	1:148:C:MET:HB2	5	0.23
(1,107)	1:153:C:VAL:HG23	1:154:B:VAL:HB	13	0.23
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG12	8	0.23
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG11	13	0.23
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG11	13	0.23
(1,77)	1:153:A:VAL:HG11	1:154:D:VAL:HB	19	0.23
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	16	0.23
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	4	0.23
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	14	0.23
(1,4)	1:162:D:ALA:HB3	1:160:C:THR:HB	18	0.23
(1,1)	1:162:A:ALA:HB3	1:160:D:THR:HB	18	0.23
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	5	0.22
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	5	0.22
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	5	0.22
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	5	0.22
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	9	0.22
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	9	0.22
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	9	0.22
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	15	0.22
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	9	0.22
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	15	0.22
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	9	0.22
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	2	0.22
(2,2383)	1:135:C:LEU:H	1:135:C:LEU:HG	9	0.22
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	2	0.22
(2,2382)	1:135:B:LEU:H	1:135:B:LEU:HG	9	0.22
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	2	0.22
(2,2381)	1:135:A:LEU:H	1:135:A:LEU:HG	9	0.22
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	3	0.22
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	3	0.22
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	3	0.22
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	12	0.22
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	15	0.22
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	3	0.22
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	16	0.22
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	18	0.22
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	3	0.22
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	5	0.22
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	16	0.22
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	18	0.22
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	3	0.22
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	5	0.22
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	16	0.22
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	18	0.22
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	3	0.22
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	5	0.22
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	16	0.22
(2,2088)	1:137:D:ARG:H	1:137:D:ARG:HD3	10	0.22
(2,2086)	1:137:B:ARG:H	1:137:B:ARG:HD3	10	0.22
(2,2085)	1:137:A:ARG:H	1:137:A:ARG:HD3	10	0.22
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG22	18	0.22
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG22	18	0.22
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG22	18	0.22
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG22	18	0.22
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	3	0.22
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	13	0.22
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	3	0.22
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	3	0.22
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	2	0.22
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	13	0.22
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	13	0.22
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	13	0.22
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	13	0.22
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	1	0.22
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	6	0.22
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	3	0.22
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	3	0.22
(2,1331)	1:146:C:LEU:HD21	1:145:B:ILE:HA	12	0.22
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	3	0.22
(2,1328)	1:146:D:LEU:HD23	1:144:C:GLU:HG3	12	0.22
(2,1327)	1:146:C:LEU:HD23	1:144:B:GLU:HG3	12	0.22
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	1	0.22
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	2	0.22
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	18	0.22
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	4	0.22
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	1	0.22
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	4	0.22
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	20	0.22
(2,1283)	1:153:C:VAL:HG11	1:151:B:THR:HB	19	0.22
(2,1282)	1:153:B:VAL:HG12	1:151:A:THR:HB	12	0.22
(2,1282)	1:153:B:VAL:HG11	1:151:A:THR:HB	19	0.22
(2,1281)	1:153:A:VAL:HG11	1:151:D:THR:HB	19	0.22
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	18	0.22
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	18	0.22
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	18	0.22
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	18	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	2	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG21	7	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	14	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	15	0.22
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	17	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	2	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG21	7	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	15	0.22
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	17	0.22
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	4	0.22
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG21	7	0.22
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	15	0.22
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	17	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	2	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG21	7	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	15	0.22
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	17	0.22
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	8	0.22
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	8	0.22
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	4	0.22
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	4	0.22
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	4	0.22
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	4	0.22
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	20	0.22
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	20	0.22
(2,1128)	1:138:D:ILE:HG21	1:142:D:LEU:HB3	1	0.22
(2,1126)	1:138:B:ILE:HG21	1:142:B:LEU:HB3	1	0.22
(2,1125)	1:138:A:ILE:HG21	1:142:A:LEU:HB3	1	0.22
(2,1064)	1:133:D:ALA:HB1	1:129:D:ASP:HB2	20	0.22
(2,1063)	1:133:C:ALA:HB2	1:129:C:ASP:HB2	17	0.22
(2,1063)	1:133:C:ALA:HB1	1:129:C:ASP:HB2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1062)	1:133:B:ALA:HB1	1:129:B:ASP:HB2	20	0.22
(2,1061)	1:133:A:ALA:HB1	1:129:A:ASP:HB2	20	0.22
(2,1031)	1:157:C:ALA:HB2	1:158:C:GLY:HA2	3	0.22
(2,1027)	1:127:C:THR:HG21	1:128:C:ASN:HB3	10	0.22
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG23	12	0.22
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG22	15	0.22
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG23	12	0.22
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG23	12	0.22
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG23	12	0.22
(2,1006)	1:132:B:THR:HG22	1:135:B:LEU:HD13	3	0.22
(2,956)	1:145:D:ILE:HB	1:149:D:LEU:HD23	4	0.22
(2,954)	1:145:B:ILE:HB	1:149:B:LEU:HD23	4	0.22
(2,845)	1:154:A:VAL:HG23	1:153:A:VAL:HB	13	0.22
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	2	0.22
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	2	0.22
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	2	0.22
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	2	0.22
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	7	0.22
(2,669)	1:152:A:LEU:HD21	1:152:A:LEU:HB3	13	0.22
(2,604)	1:146:D:LEU:HG	1:146:D:LEU:HD11	4	0.22
(2,603)	1:146:C:LEU:HG	1:146:C:LEU:HD11	4	0.22
(2,602)	1:146:B:LEU:HG	1:146:B:LEU:HD11	4	0.22
(2,601)	1:146:A:LEU:HG	1:146:A:LEU:HD11	4	0.22
(2,388)	1:137:D:ARG:HD3	1:137:D:ARG:HA	10	0.22
(2,387)	1:137:C:ARG:HD3	1:137:C:ARG:HA	10	0.22
(2,386)	1:137:B:ARG:HD3	1:137:B:ARG:HA	10	0.22
(2,385)	1:137:A:ARG:HD3	1:137:A:ARG:HA	10	0.22
(2,300)	1:144:D:GLU:HG3	1:144:D:GLU:HB2	4	0.22
(2,298)	1:144:B:GLU:HG3	1:144:B:GLU:HB2	4	0.22
(2,120)	1:153:D:VAL:HG22	1:153:D:VAL:HA	12	0.22
(2,119)	1:153:C:VAL:HG22	1:153:C:VAL:HA	11	0.22
(2,118)	1:153:B:VAL:HG22	1:153:B:VAL:HA	11	0.22
(2,118)	1:153:B:VAL:HG22	1:153:B:VAL:HA	12	0.22
(2,117)	1:153:A:VAL:HG22	1:153:A:VAL:HA	11	0.22
(2,117)	1:153:A:VAL:HG22	1:153:A:VAL:HA	12	0.22
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	16	0.22
(2,82)	1:157:B:ALA:HB1	1:153:B:VAL:HA	6	0.22
(2,81)	1:157:A:ALA:HB1	1:153:A:VAL:HA	6	0.22
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	16	0.22
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	18	0.22
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	18	0.22
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	18	0.22
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	17	0.22
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	17	0.22
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	17	0.22
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	17	0.22
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	5	0.22
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	5	0.22
(2,8)	1:163:D:ARG:HD2	1:163:D:ARG:HB3	18	0.22
(2,7)	1:163:C:ARG:HD2	1:163:C:ARG:HB3	18	0.22
(2,6)	1:163:B:ARG:HD2	1:163:B:ARG:HB3	18	0.22
(2,5)	1:163:A:ARG:HD2	1:163:A:ARG:HB3	18	0.22
(1,524)	1:132:D:THR:HG23	1:132:C:THR:HA	4	0.22
(1,518)	1:132:B:THR:HG22	1:135:A:LEU:HG	20	0.22
(1,495)	1:135:C:LEU:HD11	1:131:B:ILE:HB	12	0.22
(1,494)	1:135:B:LEU:HD11	1:131:A:ILE:HB	5	0.22
(1,494)	1:135:B:LEU:HD11	1:131:A:ILE:HB	12	0.22
(1,493)	1:135:A:LEU:HD11	1:131:D:ILE:HB	12	0.22
(1,484)	1:135:D:LEU:HD22	1:138:C:ILE:HB	7	0.22
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD11	15	0.22
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD11	15	0.22
(1,311)	1:146:C:LEU:HD22	1:143:B:SER:HB2	1	0.22
(1,309)	1:146:A:LEU:HD22	1:143:D:SER:HB2	1	0.22
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	18	0.22
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	10	0.22
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	17	0.22
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	10	0.22
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	11	0.22
(1,260)	1:148:D:MET:HE2	1:145:A:ILE:HG21	17	0.22
(1,259)	1:148:C:MET:HE2	1:145:D:ILE:HG21	17	0.22
(1,257)	1:148:A:MET:HE2	1:145:B:ILE:HG21	17	0.22
(1,231)	1:149:C:LEU:HD11	1:152:B:LEU:HB2	12	0.22
(1,202)	1:138:B:ILE:HD12	1:135:C:LEU:HA	6	0.22
(1,149)	1:145:A:ILE:HG23	1:146:B:LEU:HA	17	0.22
(1,105)	1:153:A:VAL:HG23	1:154:D:VAL:HB	13	0.22
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG13	10	0.22
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG11	13	0.22
(1,78)	1:153:B:VAL:HG11	1:154:A:VAL:HB	19	0.22
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	13	0.22
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	14	0.22
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	13	0.22
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	5	0.22
(1,20)	1:127:D:THR:HG22	1:129:A:ASP:HA	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:127:A:THR:HG22	1:129:B:ASP:HA	5	0.22
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG21	14	0.21
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG22	2	0.21
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	5	0.21
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	11	0.21
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	20	0.21
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	6	0.21
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	11	0.21
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	20	0.21
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	6	0.21
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	20	0.21
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	5	0.21
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	6	0.21
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	11	0.21
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	20	0.21
(2,2384)	1:135:D:LEU:H	1:135:D:LEU:HG	2	0.21
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	12	0.21
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	12	0.21
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	12	0.21
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	1	0.21
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	14	0.21
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	15	0.21
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	1	0.21
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	13	0.21
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	14	0.21
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	1	0.21
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	14	0.21
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	15	0.21
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	1	0.21
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	14	0.21
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	15	0.21
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	18	0.21
(2,2087)	1:137:C:ARG:H	1:137:C:ARG:HD3	10	0.21
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	17	0.21
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	17	0.21
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	17	0.21
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	5	0.21
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	13	0.21
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	13	0.21
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	13	0.21
(2,1752)	1:141:D:LYS:H	1:141:D:LYS:HD2	3	0.21
(2,1751)	1:141:C:LYS:H	1:141:C:LYS:HD2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1750)	1:141:B:LYS:H	1:141:B:LYS:HD2	3	0.21
(2,1749)	1:141:A:LYS:H	1:141:A:LYS:HD2	3	0.21
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	4	0.21
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	4	0.21
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	4	0.21
(2,1503)	1:163:C:ARG:H	1:163:C:ARG:HD2	15	0.21
(2,1502)	1:163:B:ARG:H	1:163:B:ARG:HD2	15	0.21
(2,1501)	1:163:A:ARG:H	1:163:A:ARG:HD2	15	0.21
(2,1359)	1:132:C:THR:HG23	1:134:B:ARG:HD2	20	0.21
(2,1357)	1:132:A:THR:HG21	1:134:D:ARG:HD2	9	0.21
(2,1338)	1:144:B:GLU:HG2	1:146:C:LEU:HD23	4	0.21
(2,1337)	1:144:A:GLU:HG2	1:146:B:LEU:HD23	4	0.21
(2,1330)	1:146:B:LEU:HD23	1:145:A:ILE:HA	3	0.21
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	20	0.21
(2,1326)	1:146:B:LEU:HD23	1:144:A:GLU:HG3	12	0.21
(2,1325)	1:146:A:LEU:HD23	1:144:D:GLU:HG3	12	0.21
(2,1296)	1:152:D:LEU:HD13	1:153:A:VAL:HB	13	0.21
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	1	0.21
(2,1295)	1:152:C:LEU:HD13	1:153:D:VAL:HB	13	0.21
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	20	0.21
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	2	0.21
(2,1294)	1:152:B:LEU:HD13	1:153:C:VAL:HB	13	0.21
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG21	6	0.21
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG21	6	0.21
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	15	0.21
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	8	0.21
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	8	0.21
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	15	0.21
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	20	0.21
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	20	0.21
(2,1127)	1:138:C:ILE:HG21	1:142:C:LEU:HB3	1	0.21
(2,1028)	1:127:D:THR:HG21	1:128:D:ASN:HB3	10	0.21
(2,1026)	1:127:B:THR:HG21	1:128:B:ASN:HB3	10	0.21
(2,1025)	1:127:A:THR:HG21	1:128:A:ASN:HB3	10	0.21
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	9	0.21
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	9	0.21
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	9	0.21
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	9	0.21
(2,1008)	1:132:D:THR:HG22	1:135:D:LEU:HD13	3	0.21
(2,1007)	1:132:C:THR:HG22	1:135:C:LEU:HD13	3	0.21
(2,1005)	1:132:A:THR:HG22	1:135:A:LEU:HD13	3	0.21
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	5	0.21
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	5	0.21
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	5	0.21
(2,848)	1:154:D:VAL:HG23	1:153:D:VAL:HB	10	0.21
(2,847)	1:154:C:VAL:HG23	1:153:C:VAL:HB	10	0.21
(2,846)	1:154:B:VAL:HG23	1:153:B:VAL:HB	10	0.21
(2,845)	1:154:A:VAL:HG23	1:153:A:VAL:HB	10	0.21
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB2	10	0.21
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB2	10	0.21
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	17	0.21
(2,716)	1:154:D:VAL:HG21	1:150:D:HIS:HA	7	0.21
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	16	0.21
(2,715)	1:154:C:VAL:HG21	1:150:C:HIS:HA	7	0.21
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	16	0.21
(2,714)	1:154:B:VAL:HG21	1:150:B:HIS:HA	7	0.21
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	16	0.21
(2,713)	1:154:A:VAL:HG21	1:150:A:HIS:HA	7	0.21
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	16	0.21
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	3	0.21
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	3	0.21
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	3	0.21
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	3	0.21
(2,672)	1:152:D:LEU:HD22	1:152:D:LEU:HB3	7	0.21
(2,671)	1:152:C:LEU:HD22	1:152:C:LEU:HB3	7	0.21
(2,670)	1:152:B:LEU:HD22	1:152:B:LEU:HB3	7	0.21
(2,669)	1:152:A:LEU:HD22	1:152:A:LEU:HB3	7	0.21
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD22	12	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	2	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	3	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	4	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	8	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	11	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	12	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	14	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	15	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	16	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	17	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	19	0.21
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	20	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	2	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	3	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	8	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	9	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	11	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	12	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	14	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	15	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	16	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	17	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	19	0.21
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	20	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	2	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	3	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	4	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	8	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	9	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	11	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	12	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	14	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	15	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	16	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	18	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	19	0.21
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	20	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	2	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	3	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	4	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	5	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	9	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	11	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	12	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	14	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	15	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	16	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	17	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	18	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	19	0.21
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	20	0.21
(2,299)	1:144:C:GLU:HG3	1:144:C:GLU:HB2	4	0.21
(2,297)	1:144:A:GLU:HG3	1:144:A:GLU:HB2	4	0.21
(2,120)	1:153:D:VAL:HG21	1:153:D:VAL:HA	10	0.21
(2,119)	1:153:C:VAL:HG21	1:153:C:VAL:HA	10	0.21
(2,119)	1:153:C:VAL:HG22	1:153:C:VAL:HA	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,118)	1:153:B:VAL:HG21	1:153:B:VAL:HA	10	0.21
(2,117)	1:153:A:VAL:HG21	1:153:A:VAL:HA	10	0.21
(2,84)	1:157:D:ALA:HB3	1:153:D:VAL:HA	2	0.21
(2,83)	1:157:C:ALA:HB1	1:153:C:VAL:HA	6	0.21
(2,82)	1:157:B:ALA:HB3	1:153:B:VAL:HA	2	0.21
(2,81)	1:157:A:ALA:HB3	1:153:A:VAL:HA	2	0.21
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	14	0.21
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	14	0.21
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	14	0.21
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	14	0.21
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	16	0.21
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	9	0.21
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	17	0.21
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	17	0.21
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	17	0.21
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	17	0.21
(1,664)	1:142:D:LEU:HD22	1:141:C:LYS:HB3	14	0.21
(1,642)	1:145:B:ILE:HG23	1:149:C:LEU:HG	17	0.21
(1,639)	1:131:C:ILE:HD12	1:128:D:ASN:HA	14	0.21
(1,519)	1:132:C:THR:HG22	1:135:B:LEU:HG	16	0.21
(1,519)	1:132:C:THR:HG22	1:135:B:LEU:HG	20	0.21
(1,518)	1:132:B:THR:HG22	1:135:A:LEU:HG	16	0.21
(1,496)	1:135:D:LEU:HD11	1:131:C:ILE:HB	5	0.21
(1,493)	1:135:A:LEU:HD11	1:131:D:ILE:HB	5	0.21
(1,490)	1:135:B:LEU:HD13	1:135:A:LEU:HG	17	0.21
(1,482)	1:135:B:LEU:HD22	1:138:A:ILE:HB	17	0.21
(1,481)	1:135:A:LEU:HD22	1:138:D:ILE:HB	7	0.21
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD13	19	0.21
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD13	19	0.21
(1,423)	1:142:C:LEU:HD12	1:145:B:ILE:HB	7	0.21
(1,421)	1:142:A:LEU:HD12	1:145:D:ILE:HB	7	0.21
(1,421)	1:142:A:LEU:HD12	1:145:D:ILE:HB	10	0.21
(1,392)	1:142:D:LEU:HD22	1:145:C:ILE:HG12	8	0.21
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	8	0.21
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	18	0.21
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	11	0.21
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	8	0.21
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	11	0.21
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	8	0.21
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	11	0.21
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	13	0.21
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	8	0.21
(1,230)	1:149:B:LEU:HD11	1:152:A:LEU:HB2	12	0.21
(1,201)	1:138:A:ILE:HD12	1:135:B:LEU:HA	6	0.21
(1,150)	1:145:B:ILE:HG23	1:146:C:LEU:HA	17	0.21
(1,146)	1:152:B:LEU:HD22	1:148:A:MET:HB2	5	0.21
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG11	13	0.21
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG12	8	0.21
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG13	10	0.21
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	5	0.21
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	10	0.21
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	13	0.21
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	14	0.21
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	16	0.21
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	10	0.21
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	13	0.21
(1,19)	1:127:C:THR:HG22	1:129:D:ASP:HA	13	0.21
(1,18)	1:127:B:THR:HG22	1:129:C:ASP:HA	5	0.21
(1,12)	1:160:D:THR:HG21	1:160:A:THR:HA	1	0.21
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG22	2	0.2
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	3	0.2
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG22	9	0.2
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG22	2	0.2
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	3	0.2
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG22	9	0.2
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG21	14	0.2
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG22	2	0.2
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	3	0.2
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG22	9	0.2
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG21	14	0.2
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	3	0.2
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG22	9	0.2
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG21	14	0.2
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	6	0.2
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	5	0.2
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	5	0.2
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	11	0.2
(2,2286)	1:145:B:ILE:H	1:145:B:ILE:HG12	17	0.2
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	13	0.2
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	16	0.2
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	20	0.2
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	20	0.2
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	20	0.2
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	20	0.2
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	4	0.2
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	7	0.2
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	19	0.2
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	4	0.2
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	7	0.2
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	19	0.2
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	4	0.2
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	7	0.2
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	19	0.2
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	4	0.2
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	7	0.2
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	19	0.2
(2,2085)	1:137:A:ARG:H	1:137:A:ARG:HD3	4	0.2
(2,2076)	1:141:D:LYS:H	1:138:D:ILE:HG23	12	0.2
(2,2075)	1:141:C:LYS:H	1:138:C:ILE:HG23	12	0.2
(2,2074)	1:141:B:LYS:H	1:138:B:ILE:HG23	12	0.2
(2,2073)	1:141:A:LYS:H	1:138:A:ILE:HG23	12	0.2
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	5	0.2
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	5	0.2
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	5	0.2
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	4	0.2
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	14	0.2
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	14	0.2
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	14	0.2
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	6	0.2
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	14	0.2
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB2	7	0.2
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB2	19	0.2
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB2	7	0.2
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB2	19	0.2
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB2	19	0.2
(2,1504)	1:163:D:ARG:H	1:163:D:ARG:HD2	15	0.2
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	20	0.2
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	20	0.2
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	3	0.2
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	20	0.2
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	20	0.2
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	6	0.2
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	19	0.2
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	19	0.2
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	6	0.2
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	19	0.2
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	20	0.2
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	4	0.2
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	15	0.2
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	18	0.2
(2,1360)	1:132:D:THR:HG21	1:134:C:ARG:HD2	9	0.2
(2,1358)	1:132:B:THR:HG21	1:134:A:ARG:HD2	9	0.2
(2,1339)	1:144:C:GLU:HG2	1:146:D:LEU:HD23	4	0.2
(2,1332)	1:146:D:LEU:HD21	1:145:C:ILE:HA	12	0.2
(2,1332)	1:146:D:LEU:HD22	1:145:C:ILE:HA	20	0.2
(2,1331)	1:146:C:LEU:HD21	1:145:B:ILE:HA	6	0.2
(2,1331)	1:146:C:LEU:HD21	1:145:B:ILE:HA	19	0.2
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	20	0.2
(2,1330)	1:146:B:LEU:HD21	1:145:A:ILE:HA	6	0.2
(2,1330)	1:146:B:LEU:HD21	1:145:A:ILE:HA	12	0.2
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	20	0.2
(2,1329)	1:146:A:LEU:HD21	1:145:D:ILE:HA	19	0.2
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	2	0.2
(2,1293)	1:152:A:LEU:HD13	1:153:B:VAL:HB	13	0.2
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	14	0.2
(2,1284)	1:153:D:VAL:HG11	1:151:C:THR:HB	19	0.2
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG23	15	0.2
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG23	15	0.2
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG21	3	0.2
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	20	0.2
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG21	3	0.2
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG21	6	0.2
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	20	0.2
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG21	3	0.2
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	20	0.2
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG21	6	0.2
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	20	0.2
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	15	0.2
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	15	0.2
(2,1077)	1:131:A:ILE:HD11	1:127:A:THR:HB	9	0.2
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	5	0.2
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	9	0.2
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	11	0.2
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	12	0.2
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	9	0.2
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	12	0.2
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	4	0.2
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	5	0.2
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	9	0.2
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	12	0.2
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	4	0.2
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	5	0.2
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	9	0.2
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	12	0.2
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	15	0.2
(2,1037)	1:156:A:SER:HB2	1:155:D:ALA:HB3	14	0.2
(2,945)	1:138:A:ILE:HG23	1:135:A:LEU:HA	18	0.2
(2,847)	1:154:C:VAL:HG22	1:153:C:VAL:HB	11	0.2
(2,846)	1:154:B:VAL:HG22	1:153:B:VAL:HB	14	0.2
(2,845)	1:154:A:VAL:HG22	1:153:A:VAL:HB	14	0.2
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB2	10	0.2
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB2	10	0.2
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	1	0.2
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	14	0.2
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	1	0.2
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	4	0.2
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	14	0.2
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	15	0.2
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	1	0.2
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	4	0.2
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	14	0.2
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	1	0.2
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	14	0.2
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD22	12	0.2
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD22	12	0.2
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD22	12	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	5	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	6	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	7	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	9	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	10	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	13	0.2
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	18	0.2
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	5	0.2
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	6	0.2
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	10	0.2
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	13	0.2
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	18	0.2
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	5	0.2
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	6	0.2
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	7	0.2
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	10	0.2
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	13	0.2
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	17	0.2
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	6	0.2
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	7	0.2
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	8	0.2
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	10	0.2
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	13	0.2
(2,516)	1:131:D:ILE:HD13	1:131:D:ILE:HB	13	0.2
(2,515)	1:131:C:ILE:HD13	1:131:C:ILE:HB	13	0.2
(2,514)	1:131:B:ILE:HD13	1:131:B:ILE:HB	13	0.2
(2,513)	1:131:A:ILE:HD13	1:131:A:ILE:HB	13	0.2
(2,512)	1:131:D:ILE:HD12	1:131:D:ILE:HA	6	0.2
(2,512)	1:131:D:ILE:HD13	1:131:D:ILE:HA	7	0.2
(2,511)	1:131:C:ILE:HD12	1:131:C:ILE:HA	6	0.2
(2,511)	1:131:C:ILE:HD13	1:131:C:ILE:HA	7	0.2
(2,510)	1:131:B:ILE:HD12	1:131:B:ILE:HA	6	0.2
(2,510)	1:131:B:ILE:HD13	1:131:B:ILE:HA	7	0.2
(2,509)	1:131:A:ILE:HD13	1:131:A:ILE:HA	7	0.2
(2,84)	1:157:D:ALA:HB1	1:153:D:VAL:HA	6	0.2
(2,83)	1:157:C:ALA:HB3	1:153:C:VAL:HA	2	0.2
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	13	0.2
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	13	0.2
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	13	0.2
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	13	0.2
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	13	0.2
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	13	0.2
(1,644)	1:145:D:ILE:HG23	1:149:A:LEU:HG	17	0.2
(1,637)	1:131:A:ILE:HD12	1:128:B:ASN:HA	14	0.2
(1,520)	1:132:D:THR:HG22	1:135:C:LEU:HG	16	0.2
(1,484)	1:135:D:LEU:HD22	1:138:C:ILE:HB	17	0.2
(1,483)	1:135:C:LEU:HD22	1:138:B:ILE:HB	7	0.2
(1,481)	1:135:A:LEU:HD22	1:138:D:ILE:HB	17	0.2
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD13	19	0.2
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD11	15	0.2
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	8	0.2
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	18	0.2
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	8	0.2
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	10	0.2
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	13	0.2
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	4	0.2
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	10	0.2
(1,232)	1:149:D:LEU:HD11	1:152:C:LEU:HB2	12	0.2
(1,229)	1:149:A:LEU:HD11	1:152:D:LEU:HB2	12	0.2
(1,204)	1:138:D:ILE:HD12	1:135:A:LEU:HA	6	0.2
(1,203)	1:138:C:ILE:HD12	1:135:D:LEU:HA	6	0.2
(1,203)	1:138:C:ILE:HD12	1:135:D:LEU:HA	12	0.2
(1,201)	1:138:A:ILE:HD12	1:135:B:LEU:HA	12	0.2
(1,152)	1:145:D:ILE:HG23	1:146:A:LEU:HA	17	0.2
(1,151)	1:145:C:ILE:HG23	1:146:D:LEU:HA	17	0.2
(1,101)	1:153:A:VAL:HG23	1:152:D:LEU:HB3	13	0.2
(1,92)	1:154:D:VAL:HB	1:153:A:VAL:HG12	11	0.2
(1,80)	1:153:D:VAL:HG11	1:154:C:VAL:HB	19	0.2
(1,78)	1:153:B:VAL:HG12	1:154:A:VAL:HB	17	0.2
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	11	0.2
(1,18)	1:127:B:THR:HG22	1:129:C:ASP:HA	13	0.2
(1,17)	1:127:A:THR:HG22	1:129:B:ASP:HA	13	0.2
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	16	0.19
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	16	0.19
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	16	0.19
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	16	0.19
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	1	0.19
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	3	0.19
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	16	0.19
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	1	0.19
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	3	0.19
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	16	0.19
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	1	0.19
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	16	0.19
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	1	0.19
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	3	0.19
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	16	0.19
(2,2288)	1:145:D:ILE:H	1:145:D:ILE:HG12	17	0.19
(2,2287)	1:145:C:ILE:H	1:145:C:ILE:HG12	17	0.19
(2,2285)	1:145:A:ILE:H	1:145:A:ILE:HG12	17	0.19
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	2	0.19
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	16	0.19
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	2	0.19
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	16	0.19
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	2	0.19
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	13	0.19
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	16	0.19
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	1	0.19
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	6	0.19
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	15	0.19
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	1	0.19
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	6	0.19
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	15	0.19
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	1	0.19
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	6	0.19
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	12	0.19
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	15	0.19
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	1	0.19
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	12	0.19
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	15	0.19
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	1	0.19
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	5	0.19
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	1	0.19
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	5	0.19
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	1	0.19
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	5	0.19
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	1	0.19
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	5	0.19
(2,2088)	1:137:D:ARG:H	1:137:D:ARG:HD3	4	0.19
(2,2087)	1:137:C:ARG:H	1:137:C:ARG:HD3	4	0.19
(2,2086)	1:137:B:ARG:H	1:137:B:ARG:HD3	4	0.19
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD12	5	0.19
(2,1991)	1:156:C:SER:H	1:152:C:LEU:HD12	5	0.19
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	5	0.19
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	3	0.19
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	12	0.19
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	3	0.19
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	4	0.19
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	3	0.19
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	3	0.19
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	4	0.19
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	14	0.19
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	6	0.19
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	6	0.19
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB2	7	0.19
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB2	19	0.19
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB2	7	0.19
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	3	0.19
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	3	0.19
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	8	0.19
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	8	0.19
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	3	0.19
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	8	0.19
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG13	15	0.19
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	20	0.19
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	20	0.19
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	3	0.19
(2,1359)	1:132:C:THR:HG21	1:134:B:ARG:HD2	9	0.19
(2,1357)	1:132:A:THR:HG23	1:134:D:ARG:HD2	20	0.19
(2,1332)	1:146:D:LEU:HD21	1:145:C:ILE:HA	6	0.19
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	9	0.19
(2,1329)	1:146:A:LEU:HD21	1:145:D:ILE:HA	6	0.19
(2,1329)	1:146:A:LEU:HD21	1:145:D:ILE:HA	12	0.19
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	14	0.19
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	14	0.19
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	15	0.19
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	14	0.19
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	15	0.19
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	15	0.19
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG21	7	0.19
(2,1252)	1:135:D:LEU:HG	1:131:D:ILE:HG23	15	0.19
(2,1251)	1:135:C:LEU:HG	1:131:C:ILE:HG21	7	0.19
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG21	7	0.19
(2,1250)	1:135:B:LEU:HG	1:131:B:ILE:HG23	15	0.19
(2,1249)	1:135:A:LEU:HG	1:131:A:ILE:HG21	7	0.19
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	13	0.19
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG21	3	0.19
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	13	0.19
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG22	1	0.19
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG22	1	0.19
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG22	1	0.19
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG22	1	0.19
(2,1140)	1:131:D:ILE:HG21	1:135:D:LEU:HB3	6	0.19
(2,1138)	1:131:B:ILE:HG21	1:135:B:LEU:HB3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1128)	1:138:D:ILE:HG23	1:142:D:LEU:HB3	15	0.19
(2,1127)	1:138:C:ILE:HG23	1:142:C:LEU:HB3	15	0.19
(2,1126)	1:138:B:ILE:HG23	1:142:B:LEU:HB3	15	0.19
(2,1125)	1:138:A:ILE:HG23	1:142:A:LEU:HB3	15	0.19
(2,1080)	1:131:D:ILE:HD13	1:127:D:THR:HB	4	0.19
(2,1080)	1:131:D:ILE:HD11	1:127:D:THR:HB	9	0.19
(2,1079)	1:131:C:ILE:HD11	1:127:C:THR:HB	9	0.19
(2,1078)	1:131:B:ILE:HD13	1:127:B:THR:HB	4	0.19
(2,1078)	1:131:B:ILE:HD11	1:127:B:THR:HB	9	0.19
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	1	0.19
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	4	0.19
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	14	0.19
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	15	0.19
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	18	0.19
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	4	0.19
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	11	0.19
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	14	0.19
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	15	0.19
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	18	0.19
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	11	0.19
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	14	0.19
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	15	0.19
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	18	0.19
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	1	0.19
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	11	0.19
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	14	0.19
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	18	0.19
(2,1040)	1:156:D:SER:HB2	1:155:C:ALA:HB3	14	0.19
(2,1039)	1:156:C:SER:HB2	1:155:B:ALA:HB3	14	0.19
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	11	0.19
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	11	0.19
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	15	0.19
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	15	0.19
(2,1008)	1:132:D:THR:HG23	1:135:D:LEU:HD13	13	0.19
(2,1008)	1:132:D:THR:HG23	1:135:D:LEU:HD11	15	0.19
(2,1007)	1:132:C:THR:HG23	1:135:C:LEU:HD13	13	0.19
(2,1007)	1:132:C:THR:HG23	1:135:C:LEU:HD11	15	0.19
(2,1006)	1:132:B:THR:HG23	1:135:B:LEU:HD13	13	0.19
(2,1006)	1:132:B:THR:HG23	1:135:B:LEU:HD11	15	0.19
(2,1005)	1:132:A:THR:HG23	1:135:A:LEU:HD13	13	0.19
(2,1005)	1:132:A:THR:HG23	1:135:A:LEU:HD11	15	0.19
(2,948)	1:138:D:ILE:HG23	1:135:D:LEU:HA	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,947)	1:138:C:ILE:HG23	1:135:C:LEU:HA	18	0.19
(2,946)	1:138:B:ILE:HG23	1:135:B:LEU:HA	18	0.19
(2,848)	1:154:D:VAL:HG22	1:153:D:VAL:HB	11	0.19
(2,848)	1:154:D:VAL:HG22	1:153:D:VAL:HB	14	0.19
(2,847)	1:154:C:VAL:HG22	1:153:C:VAL:HB	14	0.19
(2,846)	1:154:B:VAL:HG22	1:153:B:VAL:HB	11	0.19
(2,845)	1:154:A:VAL:HG22	1:153:A:VAL:HB	11	0.19
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	4	0.19
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	15	0.19
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	19	0.19
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	19	0.19
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	15	0.19
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	19	0.19
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	4	0.19
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	15	0.19
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	19	0.19
(2,704)	1:163:D:ARG:HA	1:163:D:ARG:HD2	3	0.19
(2,703)	1:163:C:ARG:HA	1:163:C:ARG:HD2	3	0.19
(2,702)	1:163:B:ARG:HA	1:163:B:ARG:HD2	3	0.19
(2,701)	1:163:A:ARG:HA	1:163:A:ARG:HD2	3	0.19
(2,560)	1:128:D:ASN:HB3	1:128:D:ASN:HA	1	0.19
(2,559)	1:128:C:ASN:HB3	1:128:C:ASN:HA	1	0.19
(2,558)	1:128:B:ASN:HB3	1:128:B:ASN:HA	1	0.19
(2,557)	1:128:A:ASN:HB3	1:128:A:ASN:HA	1	0.19
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	18	0.19
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	18	0.19
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	18	0.19
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	18	0.19
(2,509)	1:131:A:ILE:HD12	1:131:A:ILE:HA	6	0.19
(2,324)	1:141:D:LYS:HE2	1:141:D:LYS:HG3	2	0.19
(2,324)	1:141:D:LYS:HE2	1:141:D:LYS:HG3	4	0.19
(2,323)	1:141:C:LYS:HE2	1:141:C:LYS:HG3	2	0.19
(2,323)	1:141:C:LYS:HE2	1:141:C:LYS:HG3	4	0.19
(2,322)	1:141:B:LYS:HE2	1:141:B:LYS:HG3	2	0.19
(2,322)	1:141:B:LYS:HE2	1:141:B:LYS:HG3	4	0.19
(2,321)	1:141:A:LYS:HE2	1:141:A:LYS:HG3	2	0.19
(2,321)	1:141:A:LYS:HE2	1:141:A:LYS:HG3	4	0.19
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	20	0.19
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	20	0.19
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	20	0.19
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	20	0.19
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	19	0.19
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	12	0.19
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	12	0.19
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	19	0.19
(2,119)	1:153:C:VAL:HG21	1:153:C:VAL:HA	8	0.19
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	6	0.19
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	5	0.19
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	6	0.19
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	11	0.19
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	5	0.19
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	6	0.19
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	13	0.19
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	13	0.19
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	15	0.19
(1,643)	1:145:C:ILE:HG23	1:149:D:LEU:HG	17	0.19
(1,641)	1:145:A:ILE:HG23	1:149:B:LEU:HG	17	0.19
(1,640)	1:131:D:ILE:HD13	1:128:A:ASN:HA	3	0.19
(1,639)	1:131:C:ILE:HD13	1:128:D:ASN:HA	2	0.19
(1,638)	1:131:B:ILE:HD13	1:128:C:ASN:HA	3	0.19
(1,638)	1:131:B:ILE:HD12	1:128:C:ASN:HA	14	0.19
(1,637)	1:131:A:ILE:HD13	1:128:B:ASN:HA	2	0.19
(1,637)	1:131:A:ILE:HD13	1:128:B:ASN:HA	3	0.19
(1,523)	1:132:C:THR:HG23	1:132:B:THR:HA	4	0.19
(1,522)	1:132:B:THR:HG23	1:132:A:THR:HA	4	0.19
(1,521)	1:132:A:THR:HG23	1:132:D:THR:HA	4	0.19
(1,492)	1:135:D:LEU:HD13	1:135:C:LEU:HG	17	0.19
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD11	15	0.19
(1,424)	1:142:D:LEU:HD12	1:145:C:ILE:HB	10	0.19
(1,423)	1:142:C:LEU:HD12	1:145:B:ILE:HB	10	0.19
(1,422)	1:142:B:LEU:HD12	1:145:A:ILE:HB	10	0.19
(1,392)	1:142:D:LEU:HD22	1:145:C:ILE:HG12	7	0.19
(1,391)	1:142:C:LEU:HD22	1:145:B:ILE:HG12	8	0.19
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	7	0.19
(1,389)	1:142:A:LEU:HD21	1:145:D:ILE:HG12	10	0.19
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	19	0.19
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	18	0.19
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	19	0.19
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	4	0.19
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	14	0.19
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	15	0.19
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	4	0.19
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:148:B:MET:HE2	1:145:C:ILE:HG21	17	0.19
(1,204)	1:138:D:ILE:HD13	1:135:A:LEU:HA	17	0.19
(1,104)	1:153:D:VAL:HG23	1:152:C:LEU:HB3	13	0.19
(1,103)	1:153:C:VAL:HG23	1:152:B:LEU:HB3	13	0.19
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG12	8	0.19
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	9	0.19
(1,20)	1:127:D:THR:HG22	1:129:A:ASP:HA	5	0.19
(1,20)	1:127:D:THR:HG23	1:129:A:ASP:HA	10	0.19
(1,20)	1:127:D:THR:HG23	1:129:A:ASP:HA	16	0.19
(1,19)	1:127:C:THR:HG23	1:129:D:ASP:HA	10	0.19
(1,11)	1:160:C:THR:HG21	1:160:D:THR:HA	1	0.19
(1,10)	1:160:B:THR:HG21	1:160:C:THR:HA	1	0.19
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	2	0.18
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	2	0.18
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	2	0.18
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	3	0.18
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	2	0.18
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	10	0.18
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	14	0.18
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	10	0.18
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	14	0.18
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	10	0.18
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	14	0.18
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	4	0.18
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	10	0.18
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	14	0.18
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	10	0.18
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	10	0.18
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	10	0.18
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	10	0.18
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	2	0.18
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	12	0.18
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	2	0.18
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	12	0.18
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	2	0.18
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	2	0.18
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	6	0.18
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	17	0.18
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	14	0.18
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	17	0.18
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	14	0.18
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1990)	1:156:B:SER:H	1:152:B:LEU:HD12	5	0.18
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	4	0.18
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	7	0.18
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	14	0.18
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	12	0.18
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	14	0.18
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	4	0.18
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	7	0.18
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	12	0.18
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	14	0.18
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	2	0.18
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	7	0.18
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	12	0.18
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	1	0.18
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	1	0.18
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	1	0.18
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	1	0.18
(2,1716)	1:151:D:THR:H	1:150:D:HIS:HB2	17	0.18
(2,1715)	1:151:C:THR:H	1:150:C:HIS:HB2	17	0.18
(2,1714)	1:151:B:THR:H	1:150:B:HIS:HB2	17	0.18
(2,1713)	1:151:A:THR:H	1:150:A:HIS:HB2	17	0.18
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	8	0.18
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG13	15	0.18
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG13	10	0.18
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG13	15	0.18
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG13	10	0.18
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG13	15	0.18
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG13	11	0.18
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	4	0.18
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	4	0.18
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	4	0.18
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	10	0.18
(2,1358)	1:132:B:THR:HG23	1:134:A:ARG:HD2	20	0.18
(2,1340)	1:144:D:GLU:HG2	1:146:A:LEU:HD23	4	0.18
(2,1332)	1:146:D:LEU:HD21	1:145:C:ILE:HA	19	0.18
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	9	0.18
(2,1330)	1:146:B:LEU:HD23	1:145:A:ILE:HA	9	0.18
(2,1330)	1:146:B:LEU:HD21	1:145:A:ILE:HA	18	0.18
(2,1330)	1:146:B:LEU:HD21	1:145:A:ILE:HA	19	0.18
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	9	0.18
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	15	0.18
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	8	0.18
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	13	0.18
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	5	0.18
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	13	0.18
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	5	0.18
(2,1139)	1:131:C:ILE:HG21	1:135:C:LEU:HB3	6	0.18
(2,1137)	1:131:A:ILE:HG21	1:135:A:LEU:HB3	6	0.18
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	6	0.18
(2,1079)	1:131:C:ILE:HD13	1:127:C:THR:HB	4	0.18
(2,1077)	1:131:A:ILE:HD13	1:127:A:THR:HB	4	0.18
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	10	0.18
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	13	0.18
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	16	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	1	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	7	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	10	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	13	0.18
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	16	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	1	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	7	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	10	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	13	0.18
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	16	0.18
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	7	0.18
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	10	0.18
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	13	0.18
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	16	0.18
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	19	0.18
(2,1038)	1:156:B:SER:HB2	1:155:A:ALA:HB3	14	0.18
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	7	0.18
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	11	0.18
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	15	0.18
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	7	0.18
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	15	0.18
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	7	0.18
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	7	0.18
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	11	0.18
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	6	0.18
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	6	0.18
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	6	0.18
(2,1004)	1:136:D:ASP:HB2	1:133:D:ALA:HA	3	0.18
(2,848)	1:154:D:VAL:HG23	1:153:D:VAL:HB	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,847)	1:154:C:VAL:HG23	1:153:C:VAL:HB	4	0.18
(2,846)	1:154:B:VAL:HG23	1:153:B:VAL:HB	4	0.18
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	12	0.18
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	12	0.18
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	12	0.18
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	12	0.18
(2,716)	1:154:D:VAL:HG23	1:150:D:HIS:HA	9	0.18
(2,716)	1:154:D:VAL:HG21	1:150:D:HIS:HA	18	0.18
(2,715)	1:154:C:VAL:HG23	1:150:C:HIS:HA	9	0.18
(2,715)	1:154:C:VAL:HG21	1:150:C:HIS:HA	18	0.18
(2,714)	1:154:B:VAL:HG23	1:150:B:HIS:HA	9	0.18
(2,714)	1:154:B:VAL:HG21	1:150:B:HIS:HA	18	0.18
(2,713)	1:154:A:VAL:HG23	1:150:A:HIS:HA	9	0.18
(2,713)	1:154:A:VAL:HG21	1:150:A:HIS:HA	18	0.18
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	16	0.18
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	20	0.18
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	16	0.18
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	20	0.18
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	20	0.18
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	3	0.18
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	20	0.18
(2,516)	1:131:D:ILE:HD11	1:131:D:ILE:HB	5	0.18
(2,515)	1:131:C:ILE:HD11	1:131:C:ILE:HB	5	0.18
(2,514)	1:131:B:ILE:HD11	1:131:B:ILE:HB	5	0.18
(2,513)	1:131:A:ILE:HD11	1:131:A:ILE:HB	5	0.18
(2,324)	1:141:D:LYS:HE2	1:141:D:LYS:HG3	1	0.18
(2,324)	1:141:D:LYS:HE2	1:141:D:LYS:HG3	13	0.18
(2,323)	1:141:C:LYS:HE2	1:141:C:LYS:HG3	1	0.18
(2,323)	1:141:C:LYS:HE2	1:141:C:LYS:HG3	13	0.18
(2,322)	1:141:B:LYS:HE2	1:141:B:LYS:HG3	1	0.18
(2,322)	1:141:B:LYS:HE2	1:141:B:LYS:HG3	13	0.18
(2,321)	1:141:A:LYS:HE2	1:141:A:LYS:HG3	1	0.18
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	3	0.18
(2,176)	1:151:D:THR:HG23	1:151:D:THR:HB	17	0.18
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	3	0.18
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	17	0.18
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	19	0.18
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	3	0.18
(2,174)	1:151:B:THR:HG23	1:151:B:THR:HB	17	0.18
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	19	0.18
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	3	0.18
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,173)	1:151:A:THR:HG23	1:151:A:THR:HB	17	0.18
(2,120)	1:153:D:VAL:HG21	1:153:D:VAL:HA	8	0.18
(2,118)	1:153:B:VAL:HG21	1:153:B:VAL:HA	8	0.18
(2,117)	1:153:A:VAL:HG21	1:153:A:VAL:HA	8	0.18
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	16	0.18
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	16	0.18
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	16	0.18
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	8	0.18
(2,32)	1:163:D:ARG:HA	1:163:D:ARG:HG2	10	0.18
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	8	0.18
(2,31)	1:163:C:ARG:HA	1:163:C:ARG:HG2	10	0.18
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	8	0.18
(2,30)	1:163:B:ARG:HA	1:163:B:ARG:HG2	10	0.18
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	8	0.18
(2,29)	1:163:A:ARG:HA	1:163:A:ARG:HG2	10	0.18
(2,4)	1:163:D:ARG:HD2	1:163:D:ARG:HB2	4	0.18
(2,3)	1:163:C:ARG:HD2	1:163:C:ARG:HB2	4	0.18
(2,2)	1:163:B:ARG:HD2	1:163:B:ARG:HB2	4	0.18
(1,662)	1:142:B:LEU:HD22	1:141:A:LYS:HB3	14	0.18
(1,661)	1:142:A:LEU:HD22	1:141:D:LYS:HB3	14	0.18
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	15	0.18
(1,639)	1:131:C:ILE:HD13	1:128:D:ASN:HA	3	0.18
(1,639)	1:131:C:ILE:HD11	1:128:D:ASN:HA	12	0.18
(1,639)	1:131:C:ILE:HD11	1:128:D:ASN:HA	19	0.18
(1,638)	1:131:B:ILE:HD13	1:128:C:ASN:HA	2	0.18
(1,637)	1:131:A:ILE:HD11	1:128:B:ASN:HA	11	0.18
(1,520)	1:132:D:THR:HG22	1:135:C:LEU:HG	20	0.18
(1,489)	1:135:A:LEU:HD13	1:135:D:LEU:HG	17	0.18
(1,392)	1:142:D:LEU:HD21	1:145:C:ILE:HG12	10	0.18
(1,391)	1:142:C:LEU:HD22	1:145:B:ILE:HG12	7	0.18
(1,390)	1:142:B:LEU:HD21	1:145:A:ILE:HG12	10	0.18
(1,389)	1:142:A:LEU:HD23	1:145:D:ILE:HG12	20	0.18
(1,374)	1:145:B:ILE:HD12	1:141:C:LYS:HA	4	0.18
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	15	0.18
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	14	0.18
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	14	0.18
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	15	0.18
(1,203)	1:138:C:ILE:HD13	1:135:D:LEU:HA	17	0.18
(1,201)	1:138:A:ILE:HD13	1:135:B:LEU:HA	17	0.18
(1,103)	1:153:C:VAL:HG23	1:152:B:LEU:HB3	9	0.18
(1,102)	1:153:B:VAL:HG23	1:152:A:LEU:HB3	9	0.18
(1,102)	1:153:B:VAL:HG23	1:152:A:LEU:HB3	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:154:A:VAL:HB	1:153:B:VAL:HG12	11	0.18
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	5	0.18
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	16	0.18
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	5	0.18
(1,30)	1:159:B:PRO:HD3	1:158:C:GLY:HA3	11	0.18
(1,19)	1:127:C:THR:HG22	1:129:D:ASP:HA	5	0.18
(1,19)	1:127:C:THR:HG23	1:129:D:ASP:HA	16	0.18
(1,18)	1:127:B:THR:HG23	1:129:C:ASP:HA	10	0.18
(1,18)	1:127:B:THR:HG23	1:129:C:ASP:HA	16	0.18
(1,17)	1:127:A:THR:HG23	1:129:B:ASP:HA	10	0.18
(1,9)	1:160:A:THR:HG21	1:160:B:THR:HA	1	0.18
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	18	0.17
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	17	0.17
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	18	0.17
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	17	0.17
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	12	0.17
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	17	0.17
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	4	0.17
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	4	0.17
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	4	0.17
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	16	0.17
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	11	0.17
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	16	0.17
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	11	0.17
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	16	0.17
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	11	0.17
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	16	0.17
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	2	0.17
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	14	0.17
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	15	0.17
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	16	0.17
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	19	0.17
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	20	0.17
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	15	0.17
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	16	0.17
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	19	0.17
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	20	0.17
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	2	0.17
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	15	0.17
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	16	0.17
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	19	0.17
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	15	0.17
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	17	0.17
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	19	0.17
(2,1963)	1:132:C:THR:H	1:131:C:ILE:HG22	16	0.17
(2,1962)	1:132:B:THR:H	1:131:B:ILE:HG22	16	0.17
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	2	0.17
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	2	0.17
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	7	0.17
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	2	0.17
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	7	0.17
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	10	0.17
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	14	0.17
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	15	0.17
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	18	0.17
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	7	0.17
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	10	0.17
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	14	0.17
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	15	0.17
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	18	0.17
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	7	0.17
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	10	0.17
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	14	0.17
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	15	0.17
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	18	0.17
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	7	0.17
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	10	0.17
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	14	0.17
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	15	0.17
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	18	0.17
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG12	6	0.17
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG13	10	0.17
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG13	11	0.17
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG13	11	0.17
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	17	0.17
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG13	11	0.17
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG12	6	0.17
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG13	10	0.17
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	17	0.17
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	3	0.17
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	12	0.17
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	18	0.17
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	3	0.17
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	15	0.17
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	3	0.17
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	15	0.17
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	12	0.17
(2,1332)	1:146:D:LEU:HD21	1:145:C:ILE:HA	7	0.17
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	15	0.17
(2,1330)	1:146:B:LEU:HD21	1:145:A:ILE:HA	7	0.17
(2,1330)	1:146:B:LEU:HD23	1:145:A:ILE:HA	11	0.17
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	15	0.17
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	14	0.17
(2,1296)	1:152:D:LEU:HD13	1:153:A:VAL:HB	10	0.17
(2,1296)	1:152:D:LEU:HD11	1:153:A:VAL:HB	11	0.17
(2,1271)	1:153:C:VAL:HG21	1:148:B:MET:HG3	6	0.17
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	6	0.17
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	5	0.17
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	8	0.17
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	8	0.17
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	6	0.17
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	6	0.17
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	6	0.17
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB2	2	0.17
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	6	0.17
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	7	0.17
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	19	0.17
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB2	2	0.17
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	6	0.17
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	19	0.17
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	20	0.17
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB2	2	0.17
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	6	0.17
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	19	0.17
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB2	2	0.17
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	6	0.17
(2,1028)	1:127:D:THR:HG23	1:128:D:ASN:HB3	13	0.17
(2,1025)	1:127:A:THR:HG23	1:128:A:ASN:HB3	13	0.17
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB1	4	0.17
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB1	4	0.17
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	6	0.17
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	19	0.17
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	19	0.17
(2,1003)	1:136:C:ASP:HB2	1:133:C:ALA:HA	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1002)	1:136:B:ASP:HB2	1:133:B:ALA:HA	3	0.17
(2,1001)	1:136:A:ASP:HB2	1:133:A:ALA:HA	3	0.17
(2,847)	1:154:C:VAL:HG22	1:153:C:VAL:HB	8	0.17
(2,845)	1:154:A:VAL:HG23	1:153:A:VAL:HB	4	0.17
(2,800)	1:137:D:ARG:HD3	1:141:D:LYS:HE2	4	0.17
(2,799)	1:137:C:ARG:HD3	1:141:C:LYS:HE2	4	0.17
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	5	0.17
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	5	0.17
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	3	0.17
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	12	0.17
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	15	0.17
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	3	0.17
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	12	0.17
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	15	0.17
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	3	0.17
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	12	0.17
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	15	0.17
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	16	0.17
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	12	0.17
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	16	0.17
(2,460)	1:133:D:ALA:HB3	1:130:D:ASN:HA	7	0.17
(2,458)	1:133:B:ALA:HB3	1:130:B:ASN:HA	7	0.17
(2,458)	1:133:B:ALA:HB2	1:130:B:ASN:HA	14	0.17
(2,324)	1:141:D:LYS:HE2	1:141:D:LYS:HG3	16	0.17
(2,323)	1:141:C:LYS:HE2	1:141:C:LYS:HG3	16	0.17
(2,322)	1:141:B:LYS:HE2	1:141:B:LYS:HG3	16	0.17
(2,321)	1:141:A:LYS:HE2	1:141:A:LYS:HG3	13	0.17
(2,321)	1:141:A:LYS:HE2	1:141:A:LYS:HG3	16	0.17
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	11	0.17
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	2	0.17
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	11	0.17
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	2	0.17
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	11	0.17
(2,1)	1:163:A:ARG:HD2	1:163:A:ARG:HB2	4	0.17
(1,663)	1:142:C:LEU:HD22	1:141:B:LYS:HB3	14	0.17
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	15	0.17
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	15	0.17
(1,640)	1:131:D:ILE:HD13	1:128:A:ASN:HA	2	0.17
(1,640)	1:131:D:ILE:HD12	1:128:A:ASN:HA	14	0.17
(1,637)	1:131:A:ILE:HD11	1:128:B:ASN:HA	12	0.17
(1,637)	1:131:A:ILE:HD11	1:128:B:ASN:HA	19	0.17
(1,521)	1:132:A:THR:HG22	1:132:D:THR:HA	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:135:C:LEU:HD13	1:135:B:LEU:HG	17	0.17
(1,483)	1:135:C:LEU:HD22	1:138:B:ILE:HB	17	0.17
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD11	16	0.17
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD13	19	0.17
(1,392)	1:142:D:LEU:HD23	1:145:C:ILE:HG12	20	0.17
(1,391)	1:142:C:LEU:HD21	1:145:B:ILE:HG12	10	0.17
(1,390)	1:142:B:LEU:HD23	1:145:A:ILE:HG12	20	0.17
(1,376)	1:145:D:ILE:HD12	1:141:A:LYS:HA	4	0.17
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	19	0.17
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	19	0.17
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	4	0.17
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	1	0.17
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	14	0.17
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	16	0.17
(1,204)	1:138:D:ILE:HD12	1:135:A:LEU:HA	12	0.17
(1,104)	1:153:D:VAL:HG23	1:152:C:LEU:HB3	9	0.17
(1,90)	1:154:B:VAL:HB	1:153:C:VAL:HG12	11	0.17
(1,77)	1:153:A:VAL:HG12	1:154:D:VAL:HB	17	0.17
(1,17)	1:127:A:THR:HG23	1:129:B:ASP:HA	16	0.17
(2,2476)	1:128:D:ASN:HD21	1:127:D:THR:HG23	12	0.16
(2,2474)	1:128:B:ASN:HD21	1:127:B:THR:HG23	12	0.16
(2,2473)	1:128:A:ASN:HD21	1:127:A:THR:HG23	12	0.16
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	15	0.16
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	17	0.16
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	15	0.16
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	17	0.16
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	18	0.16
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	20	0.16
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	15	0.16
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	18	0.16
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	10	0.16
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	13	0.16
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	17	0.16
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	10	0.16
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	12	0.16
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	13	0.16
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	17	0.16
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	10	0.16
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	12	0.16
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	17	0.16
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	12	0.16
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	3	0.16
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	3	0.16
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	3	0.16
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	3	0.16
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	14	0.16
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	14	0.16
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	14	0.16
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	14	0.16
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	4	0.16
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	10	0.16
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	11	0.16
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	4	0.16
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	4	0.16
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	10	0.16
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	4	0.16
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	9	0.16
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	2	0.16
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	4	0.16
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	9	0.16
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	4	0.16
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	9	0.16
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	20	0.16
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	2	0.16
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	16	0.16
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	20	0.16
(2,1964)	1:132:D:THR:H	1:131:D:ILE:HG22	16	0.16
(2,1961)	1:132:A:THR:H	1:131:A:ILE:HG22	16	0.16
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	6	0.16
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	20	0.16
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	6	0.16
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	6	0.16
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	6	0.16
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	8	0.16
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	9	0.16
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	11	0.16
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	15	0.16
(2,1784)	1:160:D:THR:H	1:159:D:PRO:HG2	3	0.16
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	8	0.16
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	9	0.16
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	11	0.16
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	19	0.16
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	9	0.16
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	11	0.16
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	19	0.16
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	8	0.16
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	9	0.16
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	19	0.16
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	20	0.16
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	8	0.16
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	9	0.16
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	11	0.16
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	19	0.16
(2,1599)	1:137:C:ARG:H	1:136:C:ASP:HB2	4	0.16
(2,1598)	1:137:B:ARG:H	1:136:B:ASP:HB2	4	0.16
(2,1588)	1:158:D:GLY:H	1:157:D:ALA:HB2	2	0.16
(2,1587)	1:158:C:GLY:H	1:157:C:ALA:HB2	2	0.16
(2,1586)	1:158:B:GLY:H	1:157:B:ALA:HB2	2	0.16
(2,1585)	1:158:A:GLY:H	1:157:A:ALA:HB2	2	0.16
(2,1584)	1:158:D:GLY:H	1:159:D:PRO:HD2	17	0.16
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	17	0.16
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG12	6	0.16
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	14	0.16
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG12	6	0.16
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	17	0.16
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	2	0.16
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	1	0.16
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	15	0.16
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	12	0.16
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	18	0.16
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	1	0.16
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	12	0.16
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	18	0.16
(2,1332)	1:146:D:LEU:HD22	1:145:C:ILE:HA	15	0.16
(2,1331)	1:146:C:LEU:HD21	1:145:B:ILE:HA	7	0.16
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	14	0.16
(2,1331)	1:146:C:LEU:HD21	1:145:B:ILE:HA	18	0.16
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	14	0.16
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	11	0.16
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	15	0.16
(2,1329)	1:146:A:LEU:HD21	1:145:D:ILE:HA	18	0.16
(2,1296)	1:152:D:LEU:HD12	1:153:A:VAL:HB	3	0.16
(2,1295)	1:152:C:LEU:HD13	1:153:D:VAL:HB	10	0.16
(2,1294)	1:152:B:LEU:HD11	1:153:C:VAL:HB	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1293)	1:152:A:LEU:HD12	1:153:B:VAL:HB	3	0.16
(2,1293)	1:152:A:LEU:HD13	1:153:B:VAL:HB	10	0.16
(2,1293)	1:152:A:LEU:HD11	1:153:B:VAL:HB	11	0.16
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	6	0.16
(2,1271)	1:153:C:VAL:HG23	1:148:B:MET:HG3	20	0.16
(2,1270)	1:153:B:VAL:HG21	1:148:A:MET:HG3	6	0.16
(2,1270)	1:153:B:VAL:HG23	1:148:A:MET:HG3	20	0.16
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG22	11	0.16
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	8	0.16
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG22	11	0.16
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG22	11	0.16
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG22	11	0.16
(2,1136)	1:135:D:LEU:HA	1:138:D:ILE:HG12	14	0.16
(2,1135)	1:135:C:LEU:HA	1:138:C:ILE:HG12	14	0.16
(2,1134)	1:135:B:LEU:HA	1:138:B:ILE:HG12	14	0.16
(2,1133)	1:135:A:LEU:HA	1:138:A:ILE:HG12	14	0.16
(2,1128)	1:138:D:ILE:HG21	1:142:D:LEU:HB3	2	0.16
(2,1127)	1:138:C:ILE:HG21	1:142:C:LEU:HB3	2	0.16
(2,1126)	1:138:B:ILE:HG21	1:142:B:LEU:HB3	2	0.16
(2,1125)	1:138:A:ILE:HG21	1:142:A:LEU:HB3	2	0.16
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	3	0.16
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	8	0.16
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB3	20	0.16
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	3	0.16
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB3	8	0.16
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	3	0.16
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	8	0.16
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB3	20	0.16
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	3	0.16
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	8	0.16
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB3	20	0.16
(2,1027)	1:127:C:THR:HG23	1:128:C:ASN:HB3	13	0.16
(2,1026)	1:127:B:THR:HG23	1:128:B:ASN:HB3	13	0.16
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB1	4	0.16
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB1	4	0.16
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	19	0.16
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	19	0.16
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	2	0.16
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	6	0.16
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	9	0.16
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	20	0.16
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	6	0.16
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	20	0.16
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	6	0.16
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	9	0.16
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	20	0.16
(2,848)	1:154:D:VAL:HG22	1:153:D:VAL:HB	8	0.16
(2,848)	1:154:D:VAL:HG21	1:153:D:VAL:HB	12	0.16
(2,847)	1:154:C:VAL:HG21	1:153:C:VAL:HB	12	0.16
(2,846)	1:154:B:VAL:HG22	1:153:B:VAL:HB	8	0.16
(2,846)	1:154:B:VAL:HG21	1:153:B:VAL:HB	12	0.16
(2,845)	1:154:A:VAL:HG22	1:153:A:VAL:HB	8	0.16
(2,845)	1:154:A:VAL:HG21	1:153:A:VAL:HB	12	0.16
(2,798)	1:137:B:ARG:HD3	1:141:B:LYS:HE2	4	0.16
(2,797)	1:137:A:ARG:HD3	1:141:A:LYS:HE2	4	0.16
(2,784)	1:141:D:LYS:HD3	1:141:D:LYS:HA	3	0.16
(2,783)	1:141:C:LYS:HD3	1:141:C:LYS:HA	3	0.16
(2,782)	1:141:B:LYS:HD3	1:141:B:LYS:HA	3	0.16
(2,781)	1:141:A:LYS:HD3	1:141:A:LYS:HA	3	0.16
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	4	0.16
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	15	0.16
(2,460)	1:133:D:ALA:HB2	1:130:D:ASN:HA	14	0.16
(2,459)	1:133:C:ALA:HB3	1:130:C:ASN:HA	7	0.16
(2,459)	1:133:C:ALA:HB2	1:130:C:ASN:HA	14	0.16
(2,458)	1:133:B:ALA:HB1	1:130:B:ASN:HA	9	0.16
(2,457)	1:133:A:ALA:HB3	1:130:A:ASN:HA	7	0.16
(2,457)	1:133:A:ALA:HB2	1:130:A:ASN:HA	14	0.16
(2,455)	1:134:C:ARG:HA	1:134:C:ARG:HD2	1	0.16
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	17	0.16
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	2	0.16
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	6	0.16
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	7	0.16
(2,176)	1:151:D:THR:HG23	1:151:D:THR:HB	16	0.16
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	6	0.16
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	7	0.16
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	16	0.16
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	6	0.16
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	7	0.16
(2,174)	1:151:B:THR:HG23	1:151:B:THR:HB	16	0.16
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	6	0.16
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	7	0.16
(2,173)	1:151:A:THR:HG23	1:151:A:THR:HB	16	0.16
(2,120)	1:153:D:VAL:HG23	1:153:D:VAL:HA	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:153:C:VAL:HG23	1:153:C:VAL:HA	18	0.16
(2,118)	1:153:B:VAL:HG23	1:153:B:VAL:HA	18	0.16
(2,117)	1:153:A:VAL:HG23	1:153:A:VAL:HA	18	0.16
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	20	0.16
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	8	0.16
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	8	0.16
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	8	0.16
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	8	0.16
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	14	0.16
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	14	0.16
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	2	0.16
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	14	0.16
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	2	0.16
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	14	0.16
(1,644)	1:145:D:ILE:HG23	1:149:A:LEU:HG	3	0.16
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	20	0.16
(1,643)	1:145:C:ILE:HG22	1:149:D:LEU:HG	16	0.16
(1,642)	1:145:B:ILE:HG23	1:149:C:LEU:HG	3	0.16
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	20	0.16
(1,641)	1:145:A:ILE:HG23	1:149:B:LEU:HG	3	0.16
(1,641)	1:145:A:ILE:HG22	1:149:B:LEU:HG	16	0.16
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	20	0.16
(1,640)	1:131:D:ILE:HD13	1:128:A:ASN:HA	4	0.16
(1,640)	1:131:D:ILE:HD11	1:128:A:ASN:HA	11	0.16
(1,524)	1:132:D:THR:HG22	1:132:C:THR:HA	3	0.16
(1,523)	1:132:C:THR:HG22	1:132:B:THR:HA	3	0.16
(1,519)	1:132:C:THR:HG22	1:135:B:LEU:HG	18	0.16
(1,518)	1:132:B:THR:HG22	1:135:C:LEU:HG	2	0.16
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD11	16	0.16
(1,391)	1:142:C:LEU:HD23	1:145:B:ILE:HG12	20	0.16
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	11	0.16
(1,300)	1:146:D:LEU:HD21	1:141:C:LYS:HE3	5	0.16
(1,299)	1:146:C:LEU:HD23	1:141:B:LYS:HE3	7	0.16
(1,297)	1:146:A:LEU:HD23	1:141:D:LYS:HE3	7	0.16
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	1	0.16
(1,284)	1:152:D:LEU:HD21	1:149:A:LEU:HA	5	0.16
(1,284)	1:152:D:LEU:HD22	1:149:A:LEU:HA	9	0.16
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	16	0.16
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	20	0.16
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	16	0.16
(1,282)	1:152:B:LEU:HD21	1:149:C:LEU:HA	2	0.16
(1,282)	1:152:B:LEU:HD22	1:149:C:LEU:HA	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	16	0.16
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	20	0.16
(1,281)	1:152:A:LEU:HD21	1:149:B:LEU:HA	5	0.16
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	12	0.16
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	20	0.16
(1,202)	1:138:B:ILE:HD12	1:135:C:LEU:HA	12	0.16
(1,202)	1:138:B:ILE:HD13	1:135:C:LEU:HA	17	0.16
(1,201)	1:138:A:ILE:HD12	1:135:B:LEU:HA	1	0.16
(1,101)	1:153:A:VAL:HG23	1:152:D:LEU:HB3	9	0.16
(1,80)	1:153:D:VAL:HG12	1:154:C:VAL:HB	17	0.16
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	11	0.16
(2,2475)	1:128:C:ASN:HD21	1:127:C:THR:HG23	12	0.15
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	20	0.15
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	20	0.15
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	15	0.15
(2,2469)	1:128:A:ASN:HD21	1:131:A:ILE:HG12	20	0.15
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	19	0.15
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	13	0.15
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	19	0.15
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	10	0.15
(2,2260)	1:151:D:THR:H	1:149:D:LEU:H	5	0.15
(2,2259)	1:151:C:THR:H	1:149:C:LEU:H	5	0.15
(2,2258)	1:151:B:THR:H	1:149:B:LEU:H	5	0.15
(2,2257)	1:151:A:THR:H	1:149:A:LEU:H	5	0.15
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	4	0.15
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	4	0.15
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	4	0.15
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	4	0.15
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	9	0.15
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	13	0.15
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	4	0.15
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	5	0.15
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	9	0.15
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	10	0.15
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	13	0.15
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	5	0.15
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	9	0.15
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	10	0.15
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	5	0.15
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	9	0.15
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	13	0.15
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	18	0.15
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	6	0.15
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	18	0.15
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	6	0.15
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	18	0.15
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	4	0.15
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	6	0.15
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	9	0.15
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	18	0.15
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	5	0.15
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	5	0.15
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	5	0.15
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	5	0.15
(2,1963)	1:132:C:THR:H	1:131:C:ILE:HG23	10	0.15
(2,1962)	1:132:B:THR:H	1:131:B:ILE:HG23	10	0.15
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	8	0.15
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	11	0.15
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	13	0.15
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	8	0.15
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	9	0.15
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	11	0.15
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	20	0.15
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	8	0.15
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	9	0.15
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	11	0.15
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	20	0.15
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	20	0.15
(2,1783)	1:160:C:THR:H	1:159:C:PRO:HG2	3	0.15
(2,1782)	1:160:B:THR:H	1:159:B:PRO:HG2	3	0.15
(2,1781)	1:160:A:THR:H	1:159:A:PRO:HG2	3	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	4	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	6	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	12	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	16	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	17	0.15
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	20	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	4	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	6	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	12	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	16	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	17	0.15
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	4	0.15
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	6	0.15
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	11	0.15
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	12	0.15
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	16	0.15
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	17	0.15
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	4	0.15
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	6	0.15
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	12	0.15
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	16	0.15
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	17	0.15
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	20	0.15
(2,1600)	1:137:D:ARG:H	1:136:D:ASP:HB2	4	0.15
(2,1597)	1:137:A:ARG:H	1:136:A:ASP:HB2	4	0.15
(2,1583)	1:158:C:GLY:H	1:159:C:PRO:HD2	17	0.15
(2,1582)	1:158:B:GLY:H	1:159:B:PRO:HD2	17	0.15
(2,1581)	1:158:A:GLY:H	1:159:A:PRO:HD2	17	0.15
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	2	0.15
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	14	0.15
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	2	0.15
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	2	0.15
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG12	13	0.15
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	14	0.15
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	14	0.15
(2,1404)	1:134:D:ARG:H	1:135:D:LEU:HB3	10	0.15
(2,1403)	1:134:C:ARG:H	1:135:C:LEU:HB3	10	0.15
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	10	0.15
(2,1360)	1:132:D:THR:HG23	1:134:C:ARG:HD2	20	0.15
(2,1332)	1:146:D:LEU:HD22	1:145:C:ILE:HA	14	0.15
(2,1332)	1:146:D:LEU:HD21	1:145:C:ILE:HA	18	0.15
(2,1330)	1:146:B:LEU:HD23	1:145:A:ILE:HA	1	0.15
(2,1329)	1:146:A:LEU:HD21	1:145:D:ILE:HA	7	0.15
(2,1295)	1:152:C:LEU:HD12	1:153:D:VAL:HB	3	0.15
(2,1294)	1:152:B:LEU:HD12	1:153:C:VAL:HB	3	0.15
(2,1294)	1:152:B:LEU:HD13	1:153:C:VAL:HB	10	0.15
(2,1272)	1:153:D:VAL:HG23	1:148:C:MET:HG3	20	0.15
(2,1269)	1:153:A:VAL:HG23	1:148:D:MET:HG3	20	0.15
(2,1244)	1:137:D:ARG:HG2	1:141:D:LYS:HE3	7	0.15
(2,1243)	1:137:C:ARG:HG2	1:141:C:LYS:HE3	7	0.15
(2,1241)	1:137:A:ARG:HG2	1:141:A:LYS:HE3	7	0.15
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB3	6	0.15
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB3	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB3	6	0.15
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB3	6	0.15
(2,1017)	1:129:A:ASP:HA	1:133:A:ALA:HB2	17	0.15
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	2	0.15
(2,1016)	1:129:D:ASP:HA	1:132:D:THR:HG21	3	0.15
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	2	0.15
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG21	3	0.15
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	2	0.15
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG21	3	0.15
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	14	0.15
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	6	0.15
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	9	0.15
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	14	0.15
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	9	0.15
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	14	0.15
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	15	0.15
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	19	0.15
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	2	0.15
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	15	0.15
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	19	0.15
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	2	0.15
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	15	0.15
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	2	0.15
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	9	0.15
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	15	0.15
(2,848)	1:154:D:VAL:HG23	1:153:D:VAL:HB	9	0.15
(2,845)	1:154:A:VAL:HG23	1:153:A:VAL:HB	9	0.15
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB2	19	0.15
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB2	19	0.15
(2,768)	1:145:D:ILE:HA	1:144:D:GLU:HB2	4	0.15
(2,767)	1:145:C:ILE:HA	1:144:C:GLU:HB2	4	0.15
(2,766)	1:145:B:ILE:HA	1:144:B:GLU:HB2	4	0.15
(2,765)	1:145:A:ILE:HA	1:144:A:GLU:HB2	4	0.15
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	2	0.15
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	2	0.15
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	2	0.15
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	2	0.15
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	4	0.15
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	10	0.15
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	4	0.15
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	10	0.15
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	4	0.15
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	10	0.15
(2,460)	1:133:D:ALA:HB2	1:130:D:ASN:HA	2	0.15
(2,460)	1:133:D:ALA:HB1	1:130:D:ASN:HA	9	0.15
(2,459)	1:133:C:ALA:HB1	1:130:C:ASN:HA	9	0.15
(2,457)	1:133:A:ALA:HB1	1:130:A:ASN:HA	9	0.15
(2,456)	1:134:D:ARG:HA	1:134:D:ARG:HD2	1	0.15
(2,454)	1:134:B:ARG:HA	1:134:B:ARG:HD2	1	0.15
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	7	0.15
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	7	0.15
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	17	0.15
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	7	0.15
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	17	0.15
(2,361)	1:140:A:GLU:HB3	1:137:A:ARG:HA	7	0.15
(2,361)	1:140:A:GLU:HB3	1:137:A:ARG:HA	17	0.15
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	19	0.15
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	7	0.15
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	7	0.15
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	2	0.15
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	9	0.15
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	9	0.15
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	2	0.15
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	9	0.15
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	2	0.15
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	9	0.15
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	2	0.15
(2,176)	1:151:D:THR:HG23	1:151:D:THR:HB	5	0.15
(2,176)	1:151:D:THR:HG23	1:151:D:THR:HB	9	0.15
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	15	0.15
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	20	0.15
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	1	0.15
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	2	0.15
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	4	0.15
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	9	0.15
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	15	0.15
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	18	0.15
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	20	0.15
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	1	0.15
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	2	0.15
(2,174)	1:151:B:THR:HG23	1:151:B:THR:HB	4	0.15
(2,174)	1:151:B:THR:HG23	1:151:B:THR:HB	5	0.15
(2,174)	1:151:B:THR:HG23	1:151:B:THR:HB	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	15	0.15
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	1	0.15
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	2	0.15
(2,173)	1:151:A:THR:HG23	1:151:A:THR:HB	4	0.15
(2,173)	1:151:A:THR:HG23	1:151:A:THR:HB	5	0.15
(2,173)	1:151:A:THR:HG23	1:151:A:THR:HB	9	0.15
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	15	0.15
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	18	0.15
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	20	0.15
(2,168)	1:151:D:THR:HG23	1:151:D:THR:HA	7	0.15
(2,168)	1:151:D:THR:HG23	1:151:D:THR:HA	15	0.15
(2,167)	1:151:C:THR:HG23	1:151:C:THR:HA	7	0.15
(2,167)	1:151:C:THR:HG23	1:151:C:THR:HA	15	0.15
(2,166)	1:151:B:THR:HG23	1:151:B:THR:HA	7	0.15
(2,166)	1:151:B:THR:HG23	1:151:B:THR:HA	15	0.15
(2,165)	1:151:A:THR:HG23	1:151:A:THR:HA	7	0.15
(2,165)	1:151:A:THR:HG23	1:151:A:THR:HA	15	0.15
(2,120)	1:153:D:VAL:HG23	1:153:D:VAL:HA	14	0.15
(2,119)	1:153:C:VAL:HG23	1:153:C:VAL:HA	14	0.15
(2,118)	1:153:B:VAL:HG23	1:153:B:VAL:HA	14	0.15
(2,117)	1:153:A:VAL:HG23	1:153:A:VAL:HA	14	0.15
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	19	0.15
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	20	0.15
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	19	0.15
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	20	0.15
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	19	0.15
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	19	0.15
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	20	0.15
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	5	0.15
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	10	0.15
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	13	0.15
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	11	0.15
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	13	0.15
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	13	0.15
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	13	0.15
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	1	0.15
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	2	0.15
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	1	0.15
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	2	0.15
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	1	0.15
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	1	0.15
(2,4)	1:163:D:ARG:HD2	1:163:D:ARG:HB2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:163:C:ARG:HD2	1:163:C:ARG:HB2	14	0.15
(2,2)	1:163:B:ARG:HD2	1:163:B:ARG:HB2	14	0.15
(2,1)	1:163:A:ARG:HD2	1:163:A:ARG:HB2	14	0.15
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	1	0.15
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	2	0.15
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	1	0.15
(1,643)	1:145:C:ILE:HG23	1:149:D:LEU:HG	3	0.15
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	6	0.15
(1,643)	1:145:C:ILE:HG22	1:149:D:LEU:HG	8	0.15
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	11	0.15
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	20	0.15
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	1	0.15
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	2	0.15
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	6	0.15
(1,642)	1:145:B:ILE:HG22	1:149:C:LEU:HG	8	0.15
(1,642)	1:145:B:ILE:HG22	1:149:C:LEU:HG	16	0.15
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	6	0.15
(1,641)	1:145:A:ILE:HG22	1:149:B:LEU:HG	8	0.15
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	11	0.15
(1,640)	1:131:D:ILE:HD11	1:128:A:ASN:HA	19	0.15
(1,639)	1:131:C:ILE:HD11	1:128:D:ASN:HA	11	0.15
(1,638)	1:131:B:ILE:HD13	1:128:C:ASN:HA	4	0.15
(1,638)	1:131:B:ILE:HD11	1:128:C:ASN:HA	11	0.15
(1,626)	1:142:B:LEU:HA	1:145:A:ILE:HD12	7	0.15
(1,600)	1:131:D:ILE:HD12	1:132:A:THR:HA	4	0.15
(1,598)	1:131:B:ILE:HD12	1:132:C:THR:HA	4	0.15
(1,522)	1:132:B:THR:HG22	1:132:A:THR:HA	3	0.15
(1,520)	1:132:D:THR:HG22	1:135:A:LEU:HG	2	0.15
(1,518)	1:132:B:THR:HG22	1:135:A:LEU:HG	18	0.15
(1,517)	1:132:A:THR:HG22	1:135:D:LEU:HG	18	0.15
(1,484)	1:135:D:LEU:HD23	1:138:C:ILE:HB	9	0.15
(1,482)	1:135:B:LEU:HD23	1:138:A:ILE:HB	9	0.15
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD11	4	0.15
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD11	4	0.15
(1,437)	1:135:A:LEU:HA	1:138:D:ILE:HD11	16	0.15
(1,375)	1:145:C:ILE:HD12	1:141:D:LYS:HA	4	0.15
(1,373)	1:145:A:ILE:HD12	1:141:B:LYS:HA	4	0.15
(1,299)	1:146:C:LEU:HD21	1:141:B:LYS:HE3	5	0.15
(1,297)	1:146:A:LEU:HD21	1:141:D:LYS:HE3	5	0.15
(1,284)	1:152:D:LEU:HD21	1:149:A:LEU:HA	2	0.15
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	1	0.15
(1,283)	1:152:C:LEU:HD21	1:149:D:LEU:HA	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:152:C:LEU:HD22	1:149:D:LEU:HA	9	0.15
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	12	0.15
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	20	0.15
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	1	0.15
(1,282)	1:152:B:LEU:HD21	1:149:C:LEU:HA	5	0.15
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	12	0.15
(1,104)	1:153:D:VAL:HG22	1:152:C:LEU:HB3	19	0.15
(1,102)	1:153:B:VAL:HG22	1:152:A:LEU:HB3	19	0.15
(1,14)	1:160:B:THR:HG22	1:160:A:THR:HB	3	0.15
(1,10)	1:160:B:THR:HG23	1:160:C:THR:HA	11	0.15
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	19	0.14
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	19	0.14
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	5	0.14
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	14	0.14
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	14	0.14
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	13	0.14
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	14	0.14
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	14	0.14
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	3	0.14
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	11	0.14
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	3	0.14
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	11	0.14
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	3	0.14
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	11	0.14
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	11	0.14
(2,1964)	1:132:D:THR:H	1:131:D:ILE:HG23	10	0.14
(2,1961)	1:132:A:THR:H	1:131:A:ILE:HG23	10	0.14
(2,1960)	1:136:D:ASP:H	1:135:D:LEU:HB3	17	0.14
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	9	0.14
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	15	0.14
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	19	0.14
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	1	0.14
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	10	0.14
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	13	0.14
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	15	0.14
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	18	0.14
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	13	0.14
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	15	0.14
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	18	0.14
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	19	0.14
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	1	0.14
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	13	0.14
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	1	0.14
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	2	0.14
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	5	0.14
(2,1748)	1:141:D:LYS:H	1:141:D:LYS:HB3	13	0.14
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	1	0.14
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	2	0.14
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	5	0.14
(2,1747)	1:141:C:LYS:H	1:141:C:LYS:HB3	13	0.14
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	1	0.14
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	2	0.14
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	5	0.14
(2,1746)	1:141:B:LYS:H	1:141:B:LYS:HB3	13	0.14
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	1	0.14
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	2	0.14
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	5	0.14
(2,1745)	1:141:A:LYS:H	1:141:A:LYS:HB3	13	0.14
(2,1552)	1:152:D:LEU:H	1:152:D:LEU:HD23	7	0.14
(2,1551)	1:152:C:LEU:H	1:152:C:LEU:HD23	7	0.14
(2,1550)	1:152:B:LEU:H	1:152:B:LEU:HD23	7	0.14
(2,1549)	1:152:A:LEU:H	1:152:A:LEU:HD23	7	0.14
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG12	13	0.14
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG12	13	0.14
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	1	0.14
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG12	13	0.14
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	11	0.14
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	10	0.14
(2,1323)	1:148:C:MET:HE2	1:150:D:HIS:HA	9	0.14
(2,1322)	1:148:B:MET:HE2	1:150:C:HIS:HA	9	0.14
(2,1282)	1:153:B:VAL:HG13	1:151:A:THR:HB	2	0.14
(2,1242)	1:137:B:ARG:HG2	1:141:B:LYS:HE3	7	0.14
(2,1140)	1:131:D:ILE:HG22	1:135:D:LEU:HB3	12	0.14
(2,1139)	1:131:C:ILE:HG22	1:135:C:LEU:HB3	12	0.14
(2,1138)	1:131:B:ILE:HG22	1:135:B:LEU:HB3	12	0.14
(2,1137)	1:131:A:ILE:HG22	1:135:A:LEU:HB3	12	0.14
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD13	20	0.14
(2,1044)	1:155:D:ALA:HA	1:155:D:ALA:HB1	17	0.14
(2,1043)	1:155:C:ALA:HA	1:155:C:ALA:HB1	17	0.14
(2,1042)	1:155:B:ALA:HA	1:155:B:ALA:HB1	17	0.14
(2,1041)	1:155:A:ALA:HA	1:155:A:ALA:HB1	17	0.14
(2,1020)	1:129:D:ASP:HA	1:133:D:ALA:HB2	17	0.14
(2,1019)	1:129:C:ASP:HA	1:133:C:ALA:HB2	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:129:B:ASP:HA	1:133:B:ALA:HB2	17	0.14
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG21	3	0.14
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	8	0.14
(2,976)	1:137:D:ARG:HA	1:137:D:ARG:HD2	11	0.14
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	11	0.14
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	14	0.14
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	8	0.14
(2,973)	1:137:A:ARG:HA	1:137:A:ARG:HD2	11	0.14
(2,916)	1:145:D:ILE:HD13	1:144:D:GLU:HB2	13	0.14
(2,915)	1:145:C:ILE:HD13	1:144:C:GLU:HB2	13	0.14
(2,914)	1:145:B:ILE:HD13	1:144:B:GLU:HB2	13	0.14
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	1	0.14
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	2	0.14
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	3	0.14
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	6	0.14
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	9	0.14
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	20	0.14
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	1	0.14
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	3	0.14
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	6	0.14
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	9	0.14
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	16	0.14
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	20	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	1	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	3	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	6	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	9	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	16	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	19	0.14
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	20	0.14
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	1	0.14
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	3	0.14
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	6	0.14
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	19	0.14
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	20	0.14
(2,847)	1:154:C:VAL:HG23	1:153:C:VAL:HB	9	0.14
(2,846)	1:154:B:VAL:HG23	1:153:B:VAL:HB	9	0.14
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB2	19	0.14
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB2	19	0.14
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	10	0.14
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	10	0.14
(2,728)	1:162:D:ALA:HB2	1:158:D:GLY:HA2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,727)	1:162:C:ALA:HB2	1:158:C:GLY:HA2	7	0.14
(2,726)	1:162:B:ALA:HB2	1:158:B:GLY:HA2	7	0.14
(2,725)	1:162:A:ALA:HB2	1:158:A:GLY:HA2	7	0.14
(2,716)	1:154:D:VAL:HG21	1:150:D:HIS:HA	12	0.14
(2,715)	1:154:C:VAL:HG21	1:150:C:HIS:HA	12	0.14
(2,714)	1:154:B:VAL:HG21	1:150:B:HIS:HA	12	0.14
(2,713)	1:154:A:VAL:HG21	1:150:A:HIS:HA	12	0.14
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	19	0.14
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	11	0.14
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	19	0.14
(2,459)	1:133:C:ALA:HB2	1:130:C:ASN:HA	2	0.14
(2,458)	1:133:B:ALA:HB2	1:130:B:ASN:HA	2	0.14
(2,457)	1:133:A:ALA:HB2	1:130:A:ASN:HA	2	0.14
(2,380)	1:137:D:ARG:HG2	1:138:D:ILE:HA	4	0.14
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	8	0.14
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	8	0.14
(2,361)	1:140:A:GLU:HB3	1:137:A:ARG:HA	8	0.14
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	7	0.14
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	19	0.14
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	7	0.14
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	19	0.14
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	19	0.14
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	5	0.14
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	1	0.14
(2,176)	1:151:D:THR:HG23	1:151:D:THR:HB	4	0.14
(2,176)	1:151:D:THR:HG22	1:151:D:THR:HB	14	0.14
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	18	0.14
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	5	0.14
(2,175)	1:151:C:THR:HG22	1:151:C:THR:HB	14	0.14
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	18	0.14
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	20	0.14
(2,120)	1:153:D:VAL:HG22	1:153:D:VAL:HA	1	0.14
(2,118)	1:153:B:VAL:HG22	1:153:B:VAL:HA	1	0.14
(2,117)	1:153:A:VAL:HG22	1:153:A:VAL:HA	1	0.14
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	5	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	1	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	2	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	4	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	18	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	19	0.14
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	20	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	2	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	4	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	10	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	18	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	19	0.14
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	20	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	1	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	4	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	10	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	18	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	19	0.14
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	20	0.14
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	1	0.14
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	4	0.14
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	10	0.14
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	18	0.14
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	19	0.14
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	20	0.14
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	19	0.14
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	4	0.14
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	19	0.14
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	4	0.14
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	19	0.14
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	4	0.14
(1,664)	1:142:D:LEU:HD22	1:141:C:LYS:HB3	3	0.14
(1,663)	1:142:C:LEU:HD22	1:141:B:LYS:HB3	3	0.14
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	6	0.14
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	8	0.14
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	16	0.14
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	2	0.14
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	10	0.14
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	1	0.14
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	2	0.14
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	10	0.14
(1,639)	1:131:C:ILE:HD13	1:128:D:ASN:HA	4	0.14
(1,628)	1:142:D:LEU:HA	1:145:C:ILE:HD12	7	0.14
(1,627)	1:142:C:LEU:HA	1:145:B:ILE:HD12	7	0.14
(1,599)	1:131:C:ILE:HD12	1:132:D:THR:HA	4	0.14
(1,597)	1:131:A:ILE:HD13	1:132:B:THR:HA	6	0.14
(1,520)	1:132:D:THR:HG22	1:135:C:LEU:HG	18	0.14
(1,519)	1:132:C:THR:HG22	1:135:D:LEU:HG	2	0.14
(1,517)	1:132:A:THR:HG22	1:135:B:LEU:HG	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:135:C:LEU:HD12	1:135:B:LEU:HG	15	0.14
(1,490)	1:135:B:LEU:HD12	1:135:A:LEU:HG	15	0.14
(1,483)	1:135:C:LEU:HD23	1:138:B:ILE:HB	9	0.14
(1,481)	1:135:A:LEU:HD23	1:138:D:ILE:HB	9	0.14
(1,391)	1:142:C:LEU:HD22	1:145:B:ILE:HG12	11	0.14
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	11	0.14
(1,300)	1:146:D:LEU:HD23	1:141:C:LYS:HE3	7	0.14
(1,298)	1:146:B:LEU:HD23	1:141:A:LYS:HE3	7	0.14
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	12	0.14
(1,284)	1:152:D:LEU:HD23	1:149:A:LEU:HA	18	0.14
(1,283)	1:152:C:LEU:HD21	1:149:D:LEU:HA	6	0.14
(1,282)	1:152:B:LEU:HD21	1:149:C:LEU:HA	6	0.14
(1,282)	1:152:B:LEU:HD23	1:149:C:LEU:HA	18	0.14
(1,281)	1:152:A:LEU:HD21	1:149:B:LEU:HA	2	0.14
(1,281)	1:152:A:LEU:HD21	1:149:B:LEU:HA	6	0.14
(1,281)	1:152:A:LEU:HD23	1:149:B:LEU:HA	18	0.14
(1,204)	1:138:D:ILE:HD12	1:135:A:LEU:HA	1	0.14
(1,203)	1:138:C:ILE:HD12	1:135:D:LEU:HA	1	0.14
(1,202)	1:138:B:ILE:HD12	1:135:C:LEU:HA	1	0.14
(1,79)	1:153:C:VAL:HG12	1:154:B:VAL:HB	17	0.14
(2,2456)	1:140:D:GLU:H	1:139:D:ASP:HB2	7	0.13
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	1	0.13
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	1	0.13
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	6	0.13
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	13	0.13
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	10	0.13
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	10	0.13
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	18	0.13
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	18	0.13
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	18	0.13
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	18	0.13
(2,2120)	1:131:D:ILE:H	1:127:D:THR:HG23	3	0.13
(2,2119)	1:131:C:ILE:H	1:127:C:THR:HG23	3	0.13
(2,2118)	1:131:B:ILE:H	1:127:B:THR:HG23	3	0.13
(2,2117)	1:131:A:ILE:H	1:127:A:THR:HG23	3	0.13
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	7	0.13
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	7	0.13
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	3	0.13
(2,1960)	1:136:D:ASP:H	1:135:D:LEU:HB3	5	0.13
(2,1959)	1:136:C:ASP:H	1:135:C:LEU:HB3	5	0.13
(2,1959)	1:136:C:ASP:H	1:135:C:LEU:HB3	17	0.13
(2,1958)	1:136:B:ASP:H	1:135:B:LEU:HB3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1958)	1:136:B:ASP:H	1:135:B:LEU:HB3	17	0.13
(2,1957)	1:136:A:ASP:H	1:135:A:LEU:HB3	17	0.13
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	1	0.13
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	10	0.13
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	18	0.13
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	19	0.13
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	1	0.13
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	10	0.13
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	18	0.13
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	19	0.13
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	12	0.13
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	12	0.13
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	12	0.13
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	12	0.13
(2,1613)	1:148:A:MET:H	1:144:A:GLU:HA	4	0.13
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	8	0.13
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	9	0.13
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD11	11	0.13
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	8	0.13
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	9	0.13
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD11	11	0.13
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	8	0.13
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	9	0.13
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD11	11	0.13
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	8	0.13
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	9	0.13
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD11	11	0.13
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	1	0.13
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	1	0.13
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG11	16	0.13
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	1	0.13
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG11	16	0.13
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG11	16	0.13
(2,1332)	1:146:D:LEU:HD22	1:145:C:ILE:HA	13	0.13
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	1	0.13
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	2	0.13
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	10	0.13
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	11	0.13
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	2	0.13
(2,1321)	1:148:A:MET:HE2	1:150:B:HIS:HA	9	0.13
(2,1295)	1:152:C:LEU:HD11	1:153:D:VAL:HB	11	0.13
(2,1281)	1:153:A:VAL:HG13	1:151:D:THR:HB	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	15	0.13
(2,1271)	1:153:C:VAL:HG21	1:148:B:MET:HG3	15	0.13
(2,1270)	1:153:B:VAL:HG21	1:148:A:MET:HG3	1	0.13
(2,1270)	1:153:B:VAL:HG21	1:148:A:MET:HG3	15	0.13
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	15	0.13
(2,1148)	1:151:D:THR:HA	1:154:D:VAL:HG23	10	0.13
(2,1147)	1:151:C:THR:HA	1:154:C:VAL:HG23	10	0.13
(2,1146)	1:151:B:THR:HA	1:154:B:VAL:HG23	10	0.13
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	13	0.13
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	13	0.13
(2,1128)	1:138:D:ILE:HG23	1:142:D:LEU:HB3	16	0.13
(2,1127)	1:138:C:ILE:HG23	1:142:C:LEU:HB3	16	0.13
(2,1126)	1:138:B:ILE:HG23	1:142:B:LEU:HB3	16	0.13
(2,1076)	1:127:D:THR:HA	1:131:D:ILE:HD13	20	0.13
(2,1075)	1:127:C:THR:HA	1:131:C:ILE:HD13	20	0.13
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD13	20	0.13
(2,975)	1:137:C:ARG:HA	1:137:C:ARG:HD2	8	0.13
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	8	0.13
(2,974)	1:137:B:ARG:HA	1:137:B:ARG:HD2	11	0.13
(2,913)	1:145:A:ILE:HD13	1:144:A:GLU:HB2	13	0.13
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	5	0.13
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	7	0.13
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	16	0.13
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	17	0.13
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	18	0.13
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	5	0.13
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	7	0.13
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	17	0.13
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	18	0.13
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	5	0.13
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	7	0.13
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	17	0.13
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	18	0.13
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	5	0.13
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	7	0.13
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	16	0.13
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	17	0.13
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	18	0.13
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD23	7	0.13
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD22	12	0.13
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD23	7	0.13
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD22	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD22	19	0.13
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD23	7	0.13
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD22	12	0.13
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	7	0.13
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	12	0.13
(2,804)	1:137:D:ARG:HD3	1:141:D:LYS:HE3	10	0.13
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	10	0.13
(2,713)	1:154:A:VAL:HG22	1:150:A:HIS:HA	5	0.13
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	5	0.13
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG22	1	0.13
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG22	1	0.13
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG22	1	0.13
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG22	1	0.13
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD13	4	0.13
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD13	4	0.13
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD21	10	0.13
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD13	4	0.13
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD13	4	0.13
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	2	0.13
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	7	0.13
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	11	0.13
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	2	0.13
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	7	0.13
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	8	0.13
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	11	0.13
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	19	0.13
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	2	0.13
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	6	0.13
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	7	0.13
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	14	0.13
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	2	0.13
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	7	0.13
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	11	0.13
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	19	0.13
(2,453)	1:134:A:ARG:HA	1:134:A:ARG:HD2	1	0.13
(2,379)	1:137:C:ARG:HG2	1:138:C:ILE:HA	4	0.13
(2,378)	1:137:B:ARG:HG2	1:138:B:ILE:HA	4	0.13
(2,377)	1:137:A:ARG:HG2	1:138:A:ILE:HA	4	0.13
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	8	0.13
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	10	0.13
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	13	0.13
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	10	0.13
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	13	0.13
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	15	0.13
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	13	0.13
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	15	0.13
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	10	0.13
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	13	0.13
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	15	0.13
(2,180)	1:151:D:THR:HG23	1:154:D:VAL:HB	15	0.13
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	5	0.13
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	5	0.13
(2,178)	1:151:B:THR:HG23	1:154:B:VAL:HB	15	0.13
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	5	0.13
(2,177)	1:151:A:THR:HG23	1:154:A:VAL:HB	15	0.13
(2,174)	1:151:B:THR:HG22	1:151:B:THR:HB	14	0.13
(2,173)	1:151:A:THR:HG22	1:151:A:THR:HB	14	0.13
(2,168)	1:151:D:THR:HG22	1:151:D:THR:HA	9	0.13
(2,167)	1:151:C:THR:HG22	1:151:C:THR:HA	9	0.13
(2,166)	1:151:B:THR:HG22	1:151:B:THR:HA	9	0.13
(2,165)	1:151:A:THR:HG22	1:151:A:THR:HA	9	0.13
(2,119)	1:153:C:VAL:HG22	1:153:C:VAL:HA	1	0.13
(2,76)	1:158:D:GLY:HA3	1:159:D:PRO:HD2	3	0.13
(2,75)	1:158:C:GLY:HA3	1:159:C:PRO:HD2	3	0.13
(2,74)	1:158:B:GLY:HA3	1:159:B:PRO:HD2	3	0.13
(2,73)	1:158:A:GLY:HA3	1:159:A:PRO:HD2	3	0.13
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	7	0.13
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	5	0.13
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	7	0.13
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	5	0.13
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	7	0.13
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	2	0.13
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	7	0.13
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	3	0.13
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	5	0.13
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	11	0.13
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	3	0.13
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	3	0.13
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	11	0.13
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	3	0.13
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	5	0.13
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	11	0.13
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	8	0.13
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	10	0.13
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	20	0.13
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	8	0.13
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	10	0.13
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	20	0.13
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	8	0.13
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	10	0.13
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	20	0.13
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	8	0.13
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	10	0.13
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	19	0.13
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	20	0.13
(1,662)	1:142:B:LEU:HD22	1:141:A:LYS:HB3	3	0.13
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	11	0.13
(1,643)	1:145:C:ILE:HG22	1:149:D:LEU:HG	19	0.13
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	10	0.13
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	11	0.13
(1,642)	1:145:B:ILE:HG21	1:149:C:LEU:HG	13	0.13
(1,641)	1:145:A:ILE:HG21	1:149:B:LEU:HG	13	0.13
(1,641)	1:145:A:ILE:HG22	1:149:B:LEU:HG	19	0.13
(1,640)	1:131:D:ILE:HD11	1:128:A:ASN:HA	12	0.13
(1,639)	1:131:C:ILE:HD11	1:128:D:ASN:HA	9	0.13
(1,637)	1:131:A:ILE:HD13	1:128:B:ASN:HA	4	0.13
(1,625)	1:142:A:LEU:HA	1:145:D:ILE:HD12	7	0.13
(1,625)	1:142:A:LEU:HA	1:145:D:ILE:HD12	19	0.13
(1,599)	1:131:C:ILE:HD13	1:132:D:THR:HA	6	0.13
(1,599)	1:131:C:ILE:HD13	1:132:D:THR:HA	19	0.13
(1,597)	1:131:A:ILE:HD12	1:132:B:THR:HA	4	0.13
(1,492)	1:135:D:LEU:HD12	1:135:C:LEU:HG	15	0.13
(1,489)	1:135:A:LEU:HD12	1:135:D:LEU:HG	15	0.13
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD11	16	0.13
(1,438)	1:135:B:LEU:HA	1:138:A:ILE:HD11	4	0.13
(1,392)	1:142:D:LEU:HD22	1:145:C:ILE:HG12	11	0.13
(1,298)	1:146:B:LEU:HD21	1:141:A:LYS:HE3	5	0.13
(1,282)	1:152:B:LEU:HD21	1:149:C:LEU:HA	3	0.13
(1,281)	1:152:A:LEU:HD22	1:149:B:LEU:HA	9	0.13
(1,103)	1:153:C:VAL:HG22	1:152:B:LEU:HB3	19	0.13
(1,101)	1:153:A:VAL:HG22	1:152:D:LEU:HB3	19	0.13
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG12	11	0.13
(1,32)	1:159:D:PRO:HD3	1:158:A:GLY:HA3	9	0.13
(1,31)	1:159:C:PRO:HD3	1:158:D:GLY:HA3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:159:A:PRO:HD3	1:158:B:GLY:HA3	9	0.13
(1,16)	1:160:D:THR:HG22	1:160:C:THR:HB	3	0.13
(1,15)	1:160:C:THR:HG22	1:160:B:THR:HB	3	0.13
(1,12)	1:160:D:THR:HG23	1:160:A:THR:HA	11	0.13
(2,2455)	1:140:C:GLU:H	1:139:C:ASP:HB2	7	0.12
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	7	0.12
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	7	0.12
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	1	0.12
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	6	0.12
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	13	0.12
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	19	0.12
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	6	0.12
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	13	0.12
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	19	0.12
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	6	0.12
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	13	0.12
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	19	0.12
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	1	0.12
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	19	0.12
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	10	0.12
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	15	0.12
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	15	0.12
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	15	0.12
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	15	0.12
(2,2252)	1:153:D:VAL:H	1:156:D:SER:HB2	11	0.12
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	10	0.12
(2,2251)	1:153:C:VAL:H	1:156:C:SER:HB2	11	0.12
(2,2250)	1:153:B:VAL:H	1:156:B:SER:HB2	11	0.12
(2,2108)	1:132:D:THR:H	1:131:D:ILE:HG13	12	0.12
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	7	0.12
(2,2107)	1:132:C:THR:H	1:131:C:ILE:HG13	12	0.12
(2,2106)	1:132:B:THR:H	1:131:B:ILE:HG13	12	0.12
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	7	0.12
(2,2105)	1:132:A:THR:H	1:131:A:ILE:HG13	12	0.12
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD11	4	0.12
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	6	0.12
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	14	0.12
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	14	0.12
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	6	0.12
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	6	0.12
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	14	0.12
(2,1957)	1:136:A:ASP:H	1:135:A:LEU:HB3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1851)	1:136:C:ASP:H	1:133:C:ALA:H	16	0.12
(2,1849)	1:136:A:ASP:H	1:133:A:ALA:H	16	0.12
(2,1815)	1:152:C:LEU:H	1:153:C:VAL:HG22	18	0.12
(2,1616)	1:148:D:MET:H	1:144:D:GLU:HA	4	0.12
(2,1615)	1:148:C:MET:H	1:144:C:GLU:HA	4	0.12
(2,1614)	1:148:B:MET:H	1:144:B:GLU:HA	4	0.12
(2,1600)	1:137:D:ARG:H	1:136:D:ASP:HB2	16	0.12
(2,1599)	1:137:C:ARG:H	1:136:C:ASP:HB2	16	0.12
(2,1598)	1:137:B:ARG:H	1:136:B:ASP:HB2	16	0.12
(2,1597)	1:137:A:ARG:H	1:136:A:ASP:HB2	2	0.12
(2,1597)	1:137:A:ARG:H	1:136:A:ASP:HB2	16	0.12
(2,1572)	1:138:D:ILE:H	1:138:D:ILE:HD12	7	0.12
(2,1571)	1:138:C:ILE:H	1:138:C:ILE:HD12	7	0.12
(2,1570)	1:138:B:ILE:H	1:138:B:ILE:HD12	7	0.12
(2,1569)	1:138:A:ILE:H	1:138:A:ILE:HD12	7	0.12
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG11	16	0.12
(2,1401)	1:134:A:ARG:H	1:135:A:LEU:HB3	13	0.12
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	1	0.12
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	10	0.12
(2,1331)	1:146:C:LEU:HD23	1:145:B:ILE:HA	8	0.12
(2,1330)	1:146:B:LEU:HD23	1:145:A:ILE:HA	10	0.12
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	16	0.12
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	1	0.12
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	2	0.12
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	16	0.12
(2,1324)	1:148:D:MET:HE2	1:150:A:HIS:HA	9	0.12
(2,1296)	1:152:D:LEU:HD13	1:153:A:VAL:HB	8	0.12
(2,1295)	1:152:C:LEU:HD13	1:153:D:VAL:HB	8	0.12
(2,1283)	1:153:C:VAL:HG13	1:151:B:THR:HB	6	0.12
(2,1282)	1:153:B:VAL:HG13	1:151:A:THR:HB	16	0.12
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	1	0.12
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	3	0.12
(2,1271)	1:153:C:VAL:HG22	1:148:B:MET:HG3	2	0.12
(2,1271)	1:153:C:VAL:HG21	1:148:B:MET:HG3	3	0.12
(2,1271)	1:153:C:VAL:HG23	1:148:B:MET:HG3	8	0.12
(2,1270)	1:153:B:VAL:HG22	1:148:A:MET:HG3	2	0.12
(2,1270)	1:153:B:VAL:HG21	1:148:A:MET:HG3	3	0.12
(2,1269)	1:153:A:VAL:HG22	1:148:D:MET:HG3	2	0.12
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	3	0.12
(2,1145)	1:151:A:THR:HA	1:154:A:VAL:HG23	10	0.12
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	13	0.12
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1125)	1:138:A:ILE:HG23	1:142:A:LEU:HB3	16	0.12
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	4	0.12
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	8	0.12
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	10	0.12
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	13	0.12
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	14	0.12
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	4	0.12
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	8	0.12
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	10	0.12
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	12	0.12
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	13	0.12
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	14	0.12
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	4	0.12
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	8	0.12
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	10	0.12
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	12	0.12
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	13	0.12
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	14	0.12
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	4	0.12
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	8	0.12
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	10	0.12
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	12	0.12
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	13	0.12
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	14	0.12
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD22	19	0.12
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD22	19	0.12
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	19	0.12
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	6	0.12
(2,834)	1:161:B:SER:HB3	1:162:B:ALA:HB3	6	0.12
(2,716)	1:154:D:VAL:HG22	1:150:D:HIS:HA	5	0.12
(2,715)	1:154:C:VAL:HG22	1:150:C:HIS:HA	5	0.12
(2,714)	1:154:B:VAL:HG22	1:150:B:HIS:HA	5	0.12
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	5	0.12
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	20	0.12
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	20	0.12
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	20	0.12
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	20	0.12
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG23	14	0.12
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG23	14	0.12
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG21	20	0.12
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG23	14	0.12
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG21	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG23	14	0.12
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG21	20	0.12
(2,660)	1:139:D:ASP:HA	1:142:D:LEU:HD23	14	0.12
(2,659)	1:139:C:ASP:HA	1:142:C:LEU:HD23	14	0.12
(2,658)	1:139:B:ASP:HA	1:142:B:LEU:HD23	14	0.12
(2,657)	1:139:A:ASP:HA	1:142:A:LEU:HD23	14	0.12
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD21	10	0.12
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD23	15	0.12
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD21	8	0.12
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD23	15	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD21	10	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD23	15	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD22	18	0.12
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD22	19	0.12
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD21	10	0.12
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD23	15	0.12
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD22	19	0.12
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	6	0.12
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	8	0.12
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	14	0.12
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	5	0.12
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	6	0.12
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	14	0.12
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	8	0.12
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	6	0.12
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	8	0.12
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	14	0.12
(2,456)	1:134:D:ARG:HA	1:134:D:ARG:HD2	2	0.12
(2,455)	1:134:C:ARG:HA	1:134:C:ARG:HD2	2	0.12
(2,454)	1:134:B:ARG:HA	1:134:B:ARG:HD2	2	0.12
(2,453)	1:134:A:ARG:HA	1:134:A:ARG:HD2	2	0.12
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	5	0.12
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	8	0.12
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	5	0.12
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	8	0.12
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	1	0.12
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	5	0.12
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	8	0.12
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	10	0.12
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	5	0.12
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	8	0.12
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:151:D:THR:HG22	1:154:D:VAL:HB	16	0.12
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	6	0.12
(2,179)	1:151:C:THR:HG23	1:154:C:VAL:HB	15	0.12
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	1	0.12
(2,178)	1:151:B:THR:HG21	1:154:B:VAL:HB	6	0.12
(2,178)	1:151:B:THR:HG22	1:154:B:VAL:HB	16	0.12
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	1	0.12
(2,177)	1:151:A:THR:HG21	1:154:A:VAL:HB	6	0.12
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	11	0.12
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	10	0.12
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	11	0.12
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	10	0.12
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	11	0.12
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	10	0.12
(2,173)	1:151:A:THR:HG21	1:151:A:THR:HB	11	0.12
(2,166)	1:151:B:THR:HG21	1:151:B:THR:HA	12	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	1	0.12
(2,92)	1:154:D:VAL:HG12	1:154:D:VAL:HB	4	0.12
(2,92)	1:154:D:VAL:HG12	1:154:D:VAL:HB	5	0.12
(2,92)	1:154:D:VAL:HG12	1:154:D:VAL:HB	6	0.12
(2,92)	1:154:D:VAL:HG12	1:154:D:VAL:HB	7	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	9	0.12
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	10	0.12
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	12	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	14	0.12
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	15	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	16	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	17	0.12
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	19	0.12
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	20	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	1	0.12
(2,91)	1:154:C:VAL:HG12	1:154:C:VAL:HB	4	0.12
(2,91)	1:154:C:VAL:HG12	1:154:C:VAL:HB	5	0.12
(2,91)	1:154:C:VAL:HG12	1:154:C:VAL:HB	6	0.12
(2,91)	1:154:C:VAL:HG12	1:154:C:VAL:HB	7	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	9	0.12
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	10	0.12
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	12	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	14	0.12
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	15	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	16	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	18	0.12
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	19	0.12
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	20	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	1	0.12
(2,90)	1:154:B:VAL:HG12	1:154:B:VAL:HB	4	0.12
(2,90)	1:154:B:VAL:HG12	1:154:B:VAL:HB	5	0.12
(2,90)	1:154:B:VAL:HG12	1:154:B:VAL:HB	6	0.12
(2,90)	1:154:B:VAL:HG12	1:154:B:VAL:HB	7	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	9	0.12
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	10	0.12
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	12	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	14	0.12
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	15	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	16	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	17	0.12
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	18	0.12
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	19	0.12
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	20	0.12
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	1	0.12
(2,89)	1:154:A:VAL:HG12	1:154:A:VAL:HB	4	0.12
(2,89)	1:154:A:VAL:HG12	1:154:A:VAL:HB	5	0.12
(2,89)	1:154:A:VAL:HG12	1:154:A:VAL:HB	6	0.12
(2,89)	1:154:A:VAL:HG12	1:154:A:VAL:HB	7	0.12
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	9	0.12
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	10	0.12
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	12	0.12
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	14	0.12
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	15	0.12
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	16	0.12
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	17	0.12
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	18	0.12
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	19	0.12
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	20	0.12
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	4	0.12
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	10	0.12
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	4	0.12
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	10	0.12
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	10	0.12
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	4	0.12
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	10	0.12
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	11	0.12
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	13	0.12
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	18	0.12
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	13	0.12
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	18	0.12
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	13	0.12
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	18	0.12
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	13	0.12
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	18	0.12
(1,661)	1:142:A:LEU:HD22	1:141:D:LYS:HB3	3	0.12
(1,656)	1:152:D:LEU:HD21	1:153:A:VAL:HA	3	0.12
(1,653)	1:152:A:LEU:HD21	1:153:B:VAL:HA	3	0.12
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	10	0.12
(1,644)	1:145:D:ILE:HG21	1:149:A:LEU:HG	13	0.12
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	14	0.12
(1,643)	1:145:C:ILE:HG21	1:149:D:LEU:HG	13	0.12
(1,643)	1:145:C:ILE:HG22	1:149:D:LEU:HG	14	0.12
(1,642)	1:145:B:ILE:HG22	1:149:C:LEU:HG	14	0.12
(1,641)	1:145:A:ILE:HG22	1:149:B:LEU:HG	14	0.12
(1,638)	1:131:B:ILE:HD11	1:128:C:ASN:HA	12	0.12
(1,637)	1:131:A:ILE:HD11	1:128:B:ASN:HA	9	0.12
(1,628)	1:142:D:LEU:HA	1:145:C:ILE:HD12	19	0.12
(1,627)	1:142:C:LEU:HA	1:145:B:ILE:HD12	19	0.12
(1,626)	1:142:B:LEU:HA	1:145:A:ILE:HD12	19	0.12
(1,452)	1:138:D:ILE:HD13	1:137:A:ARG:HB3	17	0.12
(1,440)	1:135:D:LEU:HA	1:138:C:ILE:HD11	4	0.12
(1,406)	1:142:B:LEU:HD22	1:145:A:ILE:HB	17	0.12
(1,300)	1:146:D:LEU:HD22	1:141:C:LYS:HE3	10	0.12
(1,299)	1:146:C:LEU:HD22	1:141:B:LYS:HE3	10	0.12
(1,298)	1:146:B:LEU:HD22	1:141:A:LYS:HE3	10	0.12
(1,284)	1:152:D:LEU:HD21	1:149:A:LEU:HA	6	0.12
(1,283)	1:152:C:LEU:HD21	1:149:D:LEU:HA	2	0.12
(1,283)	1:152:C:LEU:HD21	1:149:D:LEU:HA	3	0.12
(1,281)	1:152:A:LEU:HD21	1:149:B:LEU:HA	3	0.12
(1,204)	1:138:D:ILE:HD11	1:135:A:LEU:HA	15	0.12
(1,202)	1:138:B:ILE:HD11	1:135:C:LEU:HA	15	0.12
(1,201)	1:138:A:ILE:HD13	1:135:B:LEU:HA	19	0.12
(1,20)	1:127:D:THR:HG23	1:129:A:ASP:HA	20	0.12
(1,19)	1:127:C:THR:HG22	1:129:D:ASP:HA	15	0.12
(1,18)	1:127:B:THR:HG22	1:129:C:ASP:HA	15	0.12
(1,17)	1:127:A:THR:HG22	1:129:B:ASP:HA	15	0.12
(2,2404)	1:131:D:ILE:H	1:134:D:ARG:H	7	0.11
(2,2404)	1:131:D:ILE:H	1:134:D:ARG:H	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2403)	1:131:C:ILE:H	1:134:C:ARG:H	7	0.11
(2,2403)	1:131:C:ILE:H	1:134:C:ARG:H	13	0.11
(2,2402)	1:131:B:ILE:H	1:134:B:ARG:H	7	0.11
(2,2402)	1:131:B:ILE:H	1:134:B:ARG:H	13	0.11
(2,2401)	1:131:A:ILE:H	1:134:A:ARG:H	7	0.11
(2,2401)	1:131:A:ILE:H	1:134:A:ARG:H	13	0.11
(2,2364)	1:137:D:ARG:H	1:137:D:ARG:HD2	20	0.11
(2,2363)	1:137:C:ARG:H	1:137:C:ARG:HD2	20	0.11
(2,2356)	1:139:D:ASP:H	1:135:D:LEU:HA	9	0.11
(2,2355)	1:139:C:ASP:H	1:135:C:LEU:HA	9	0.11
(2,2354)	1:139:B:ASP:H	1:135:B:LEU:HA	9	0.11
(2,2353)	1:139:A:ASP:H	1:135:A:LEU:HA	9	0.11
(2,2312)	1:142:D:LEU:H	1:141:D:LYS:HG3	13	0.11
(2,2311)	1:142:C:LEU:H	1:141:C:LYS:HG3	13	0.11
(2,2310)	1:142:B:LEU:H	1:141:B:LYS:HG3	13	0.11
(2,2309)	1:142:A:LEU:H	1:141:A:LYS:HG3	13	0.11
(2,2288)	1:145:D:ILE:H	1:145:D:ILE:HG12	4	0.11
(2,2287)	1:145:C:ILE:H	1:145:C:ILE:HG12	4	0.11
(2,2286)	1:145:B:ILE:H	1:145:B:ILE:HG12	4	0.11
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	5	0.11
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	10	0.11
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	10	0.11
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	5	0.11
(2,2277)	1:146:A:LEU:H	1:142:A:LEU:HB3	10	0.11
(2,2254)	1:153:B:VAL:H	1:149:B:LEU:HB3	19	0.11
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	10	0.11
(2,2249)	1:153:A:VAL:H	1:156:A:SER:HB2	11	0.11
(2,2243)	1:154:C:VAL:H	1:150:C:HIS:HA	8	0.11
(2,2204)	1:158:D:GLY:H	1:157:D:ALA:HA	1	0.11
(2,2203)	1:158:C:GLY:H	1:157:C:ALA:HA	1	0.11
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	1	0.11
(2,2201)	1:158:A:GLY:H	1:157:A:ALA:HA	1	0.11
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	1	0.11
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	8	0.11
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	13	0.11
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	15	0.11
(2,2043)	1:145:C:ILE:H	1:146:C:LEU:HG	1	0.11
(2,2043)	1:145:C:ILE:H	1:146:C:LEU:HG	8	0.11
(2,2043)	1:145:C:ILE:H	1:146:C:LEU:HG	13	0.11
(2,2043)	1:145:C:ILE:H	1:146:C:LEU:HG	15	0.11
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	1	0.11
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	8	0.11
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	15	0.11
(2,2041)	1:145:A:ILE:H	1:146:A:LEU:HG	1	0.11
(2,2041)	1:145:A:ILE:H	1:146:A:LEU:HG	8	0.11
(2,2041)	1:145:A:ILE:H	1:146:A:LEU:HG	15	0.11
(2,1997)	1:139:A:ASP:H	1:135:A:LEU:HB2	10	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	1	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	2	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	3	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	4	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	11	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	12	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	13	0.11
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	20	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	1	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	2	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	3	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	4	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	6	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	11	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	12	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	13	0.11
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	20	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	1	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	3	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	4	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	11	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	12	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	13	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	14	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	16	0.11
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	20	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	1	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	2	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	3	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	4	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	11	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	12	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	13	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	16	0.11
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	20	0.11
(2,1964)	1:132:D:THR:H	1:131:D:ILE:HG21	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1963)	1:132:C:THR:H	1:131:C:ILE:HG21	13	0.11
(2,1962)	1:132:B:THR:H	1:131:B:ILE:HG21	13	0.11
(2,1961)	1:132:A:THR:H	1:131:A:ILE:HG21	13	0.11
(2,1924)	1:143:D:SER:H	1:143:D:SER:HB3	3	0.11
(2,1923)	1:143:C:SER:H	1:143:C:SER:HB3	3	0.11
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	12	0.11
(2,1852)	1:136:D:ASP:H	1:133:D:ALA:H	16	0.11
(2,1850)	1:136:B:ASP:H	1:133:B:ALA:H	16	0.11
(2,1816)	1:152:D:LEU:H	1:153:D:VAL:HG22	18	0.11
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG22	18	0.11
(2,1813)	1:152:A:LEU:H	1:153:A:VAL:HG22	18	0.11
(2,1600)	1:137:D:ARG:H	1:136:D:ASP:HB2	2	0.11
(2,1599)	1:137:C:ARG:H	1:136:C:ASP:HB2	2	0.11
(2,1599)	1:137:C:ARG:H	1:136:C:ASP:HB2	12	0.11
(2,1598)	1:137:B:ARG:H	1:136:B:ASP:HB2	2	0.11
(2,1504)	1:163:D:ARG:H	1:163:D:ARG:HD2	4	0.11
(2,1502)	1:163:B:ARG:H	1:163:B:ARG:HD2	4	0.11
(2,1484)	1:155:D:ALA:H	1:154:D:VAL:HG13	19	0.11
(2,1483)	1:155:C:ALA:H	1:154:C:VAL:HG13	19	0.11
(2,1482)	1:155:B:ALA:H	1:154:B:VAL:HG13	19	0.11
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG12	4	0.11
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG13	18	0.11
(2,1481)	1:155:A:ALA:H	1:154:A:VAL:HG13	19	0.11
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	13	0.11
(2,1330)	1:146:B:LEU:HD22	1:145:A:ILE:HA	13	0.11
(2,1329)	1:146:A:LEU:HD23	1:145:D:ILE:HA	8	0.11
(2,1322)	1:148:B:MET:HE1	1:150:C:HIS:HA	10	0.11
(2,1294)	1:152:B:LEU:HD13	1:153:C:VAL:HB	8	0.11
(2,1293)	1:152:A:LEU:HD13	1:153:B:VAL:HB	8	0.11
(2,1284)	1:153:D:VAL:HG13	1:151:C:THR:HB	1	0.11
(2,1284)	1:153:D:VAL:HG11	1:151:C:THR:HB	9	0.11
(2,1283)	1:153:C:VAL:HG11	1:151:B:THR:HB	9	0.11
(2,1283)	1:153:C:VAL:HG11	1:151:B:THR:HB	15	0.11
(2,1282)	1:153:B:VAL:HG13	1:151:A:THR:HB	1	0.11
(2,1281)	1:153:A:VAL:HG13	1:151:D:THR:HB	16	0.11
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	11	0.11
(2,1272)	1:153:D:VAL:HG21	1:148:C:MET:HG3	16	0.11
(2,1271)	1:153:C:VAL:HG23	1:148:B:MET:HG3	10	0.11
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	11	0.11
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	16	0.11
(2,1226)	1:144:B:GLU:HG2	1:144:B:GLU:HA	13	0.11
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG23	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG23	4	0.11
(2,1143)	1:126:C:SER:HA	1:127:C:THR:HG21	5	0.11
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG23	4	0.11
(2,1142)	1:126:B:SER:HA	1:127:B:THR:HG21	5	0.11
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG23	4	0.11
(2,1141)	1:126:A:SER:HA	1:127:A:THR:HG21	5	0.11
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	14	0.11
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	14	0.11
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	14	0.11
(2,1129)	1:136:A:ASP:HA	1:139:A:ASP:HB2	17	0.11
(2,1068)	1:133:D:ALA:HB3	1:134:D:ARG:HD2	7	0.11
(2,1066)	1:133:B:ALA:HB3	1:134:B:ARG:HD2	7	0.11
(2,1065)	1:133:A:ALA:HB3	1:134:A:ARG:HD2	7	0.11
(2,1015)	1:129:C:ASP:HA	1:132:C:THR:HG22	4	0.11
(2,1014)	1:129:B:ASP:HA	1:132:B:THR:HG22	4	0.11
(2,1012)	1:127:D:THR:HA	1:130:D:ASN:HB2	5	0.11
(2,1012)	1:127:D:THR:HA	1:130:D:ASN:HB2	11	0.11
(2,1012)	1:127:D:THR:HA	1:130:D:ASN:HB2	12	0.11
(2,1011)	1:127:C:THR:HA	1:130:C:ASN:HB2	5	0.11
(2,1011)	1:127:C:THR:HA	1:130:C:ASN:HB2	11	0.11
(2,1011)	1:127:C:THR:HA	1:130:C:ASN:HB2	12	0.11
(2,1010)	1:127:B:THR:HA	1:130:B:ASN:HB2	11	0.11
(2,1010)	1:127:B:THR:HA	1:130:B:ASN:HB2	12	0.11
(2,1009)	1:127:A:THR:HA	1:130:A:ASN:HB2	11	0.11
(2,1009)	1:127:A:THR:HA	1:130:A:ASN:HB2	12	0.11
(2,1008)	1:132:D:THR:HG21	1:135:D:LEU:HD13	12	0.11
(2,1006)	1:132:B:THR:HG21	1:135:B:LEU:HD13	12	0.11
(2,1005)	1:132:A:THR:HG21	1:135:A:LEU:HD13	12	0.11
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	11	0.11
(2,876)	1:152:D:LEU:HB2	1:149:D:LEU:HA	12	0.11
(2,875)	1:152:C:LEU:HB2	1:149:C:LEU:HA	11	0.11
(2,874)	1:152:B:LEU:HB2	1:149:B:LEU:HA	11	0.11
(2,873)	1:152:A:LEU:HB2	1:149:A:LEU:HA	11	0.11
(2,868)	1:149:D:LEU:HB2	1:149:D:LEU:HD21	9	0.11
(2,865)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	9	0.11
(2,836)	1:161:D:SER:HB3	1:162:D:ALA:HB3	4	0.11
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	4	0.11
(2,835)	1:161:C:SER:HB3	1:162:C:ALA:HB3	6	0.11
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	4	0.11
(2,833)	1:161:A:SER:HB3	1:162:A:ALA:HB3	6	0.11
(2,794)	1:137:B:ARG:HG2	1:140:B:GLU:HB2	20	0.11
(2,793)	1:137:A:ARG:HG2	1:140:A:GLU:HB2	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	13	0.11
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	16	0.11
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	8	0.11
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	13	0.11
(2,707)	1:160:C:THR:HA	1:159:C:PRO:HB2	16	0.11
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	13	0.11
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	16	0.11
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	13	0.11
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	16	0.11
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG21	6	0.11
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG21	20	0.11
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG21	6	0.11
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG21	6	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD22	7	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD21	8	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD23	13	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD23	14	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD22	18	0.11
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD22	19	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD22	7	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD23	13	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD22	18	0.11
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD22	19	0.11
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD22	7	0.11
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD21	8	0.11
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD23	13	0.11
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD23	14	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD22	7	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD21	8	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD23	13	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD23	14	0.11
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD22	18	0.11
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	5	0.11
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	5	0.11
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	5	0.11
(2,541)	1:148:A:MET:HE3	1:146:B:LEU:HB2	1	0.11
(2,512)	1:131:D:ILE:HD12	1:131:D:ILE:HA	16	0.11
(2,511)	1:131:C:ILE:HD12	1:131:C:ILE:HA	16	0.11
(2,510)	1:131:B:ILE:HD12	1:131:B:ILE:HA	16	0.11
(2,509)	1:131:A:ILE:HD12	1:131:A:ILE:HA	16	0.11
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	10	0.11
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	1	0.11
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	9	0.11
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	1	0.11
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	9	0.11
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	9	0.11
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	1	0.11
(2,269)	1:146:A:LEU:HB3	1:143:A:SER:HA	9	0.11
(2,180)	1:151:D:THR:HG21	1:154:D:VAL:HB	1	0.11
(2,179)	1:151:C:THR:HG21	1:154:C:VAL:HB	1	0.11
(2,179)	1:151:C:THR:HG22	1:154:C:VAL:HB	16	0.11
(2,177)	1:151:A:THR:HG22	1:154:A:VAL:HB	16	0.11
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	10	0.11
(2,167)	1:151:C:THR:HG21	1:151:C:THR:HA	12	0.11
(2,165)	1:151:A:THR:HG21	1:151:A:THR:HA	12	0.11
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	2	0.11
(2,92)	1:154:D:VAL:HG11	1:154:D:VAL:HB	8	0.11
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	11	0.11
(2,92)	1:154:D:VAL:HG12	1:154:D:VAL:HB	13	0.11
(2,92)	1:154:D:VAL:HG13	1:154:D:VAL:HB	18	0.11
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	2	0.11
(2,91)	1:154:C:VAL:HG11	1:154:C:VAL:HB	8	0.11
(2,91)	1:154:C:VAL:HG13	1:154:C:VAL:HB	11	0.11
(2,91)	1:154:C:VAL:HG12	1:154:C:VAL:HB	13	0.11
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	2	0.11
(2,90)	1:154:B:VAL:HG11	1:154:B:VAL:HB	8	0.11
(2,90)	1:154:B:VAL:HG13	1:154:B:VAL:HB	11	0.11
(2,90)	1:154:B:VAL:HG12	1:154:B:VAL:HB	13	0.11
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	2	0.11
(2,89)	1:154:A:VAL:HG11	1:154:A:VAL:HB	8	0.11
(2,89)	1:154:A:VAL:HG13	1:154:A:VAL:HB	11	0.11
(2,89)	1:154:A:VAL:HG12	1:154:A:VAL:HB	13	0.11
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	2	0.11
(2,62)	1:159:B:PRO:HB2	1:159:B:PRO:HD2	4	0.11
(2,61)	1:159:A:PRO:HB2	1:159:A:PRO:HD2	2	0.11
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	3	0.11
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	11	0.11
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	3	0.11
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	3	0.11
(2,54)	1:159:B:PRO:HD2	1:159:B:PRO:HB3	11	0.11
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	3	0.11
(2,53)	1:159:A:PRO:HD2	1:159:A:PRO:HB3	11	0.11
(2,52)	1:159:D:PRO:HG2	1:159:D:PRO:HB3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	5	0.11
(2,51)	1:159:C:PRO:HG2	1:159:C:PRO:HB3	7	0.11
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	5	0.11
(2,50)	1:159:B:PRO:HG2	1:159:B:PRO:HB3	7	0.11
(2,49)	1:159:A:PRO:HG2	1:159:A:PRO:HB3	7	0.11
(2,44)	1:159:D:PRO:HG2	1:159:D:PRO:HA	17	0.11
(2,43)	1:159:C:PRO:HG2	1:159:C:PRO:HA	17	0.11
(2,42)	1:159:B:PRO:HG2	1:159:B:PRO:HA	17	0.11
(2,41)	1:159:A:PRO:HG2	1:159:A:PRO:HA	17	0.11
(1,654)	1:152:B:LEU:HD21	1:153:C:VAL:HA	3	0.11
(1,652)	1:127:D:THR:HG21	1:128:A:ASN:HA	4	0.11
(1,646)	1:161:B:SER:HB3	1:160:A:THR:HG23	2	0.11
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	7	0.11
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	18	0.11
(1,644)	1:145:D:ILE:HG22	1:149:A:LEU:HG	19	0.11
(1,642)	1:145:B:ILE:HG22	1:149:C:LEU:HG	7	0.11
(1,641)	1:145:A:ILE:HG22	1:149:B:LEU:HG	7	0.11
(1,640)	1:131:D:ILE:HD11	1:128:A:ASN:HA	9	0.11
(1,638)	1:131:B:ILE:HD11	1:128:C:ASN:HA	19	0.11
(1,597)	1:131:A:ILE:HD13	1:132:B:THR:HA	19	0.11
(1,439)	1:135:C:LEU:HA	1:138:B:ILE:HD12	20	0.11
(1,408)	1:142:D:LEU:HD22	1:145:C:ILE:HB	17	0.11
(1,390)	1:142:B:LEU:HD22	1:145:A:ILE:HG12	5	0.11
(1,284)	1:152:D:LEU:HD21	1:149:A:LEU:HA	3	0.11
(1,283)	1:152:C:LEU:HD23	1:149:D:LEU:HA	18	0.11
(1,282)	1:152:B:LEU:HD21	1:149:C:LEU:HA	19	0.11
(1,204)	1:138:D:ILE:HD13	1:135:A:LEU:HA	19	0.11
(1,20)	1:127:D:THR:HG22	1:129:A:ASP:HA	15	0.11
(1,13)	1:160:A:THR:HG22	1:160:D:THR:HB	3	0.11
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	7	0.1
(2,2472)	1:128:D:ASN:HD21	1:131:D:ILE:HG12	12	0.1
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	7	0.1
(2,2471)	1:128:C:ASN:HD21	1:131:C:ILE:HG12	12	0.1
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	6	0.1
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	7	0.1
(2,2470)	1:128:B:ASN:HD21	1:131:B:ILE:HG12	12	0.1
(2,2454)	1:140:B:GLU:H	1:139:B:ASP:HB2	8	0.1
(2,2453)	1:140:A:GLU:H	1:139:A:ASP:HB2	8	0.1
(2,2389)	1:134:A:ARG:H	1:131:A:ILE:HG22	5	0.1
(2,2312)	1:142:D:LEU:H	1:141:D:LYS:HG3	10	0.1
(2,2310)	1:142:B:LEU:H	1:141:B:LYS:HG3	10	0.1
(2,2309)	1:142:A:LEU:H	1:141:A:LYS:HG3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2285)	1:145:A:ILE:H	1:145:A:ILE:HG12	4	0.1
(2,2280)	1:146:D:LEU:H	1:142:D:LEU:HB3	5	0.1
(2,2279)	1:146:C:LEU:H	1:142:C:LEU:HB3	8	0.1
(2,2278)	1:146:B:LEU:H	1:142:B:LEU:HB3	5	0.1
(2,2256)	1:153:D:VAL:H	1:149:D:LEU:HB3	19	0.1
(2,2255)	1:153:C:VAL:H	1:149:C:LEU:HB3	19	0.1
(2,2253)	1:153:A:VAL:H	1:149:A:LEU:HB3	19	0.1
(2,2244)	1:154:D:VAL:H	1:150:D:HIS:HA	8	0.1
(2,2244)	1:154:D:VAL:H	1:150:D:HIS:HA	13	0.1
(2,2242)	1:154:B:VAL:H	1:150:B:HIS:HA	8	0.1
(2,2202)	1:158:B:GLY:H	1:157:B:ALA:HA	12	0.1
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	2	0.1
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	11	0.1
(2,2044)	1:145:D:ILE:H	1:146:D:LEU:HG	16	0.1
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	11	0.1
(2,2042)	1:145:B:ILE:H	1:146:B:LEU:HG	13	0.1
(2,2041)	1:145:A:ILE:H	1:146:A:LEU:HG	2	0.1
(2,2041)	1:145:A:ILE:H	1:146:A:LEU:HG	13	0.1
(2,2000)	1:139:D:ASP:H	1:135:D:LEU:HB2	10	0.1
(2,1999)	1:139:C:ASP:H	1:135:C:LEU:HB2	10	0.1
(2,1998)	1:139:B:ASP:H	1:135:B:LEU:HB2	10	0.1
(2,1992)	1:156:D:SER:H	1:152:D:LEU:HD11	4	0.1
(2,1989)	1:156:A:SER:H	1:152:A:LEU:HD12	9	0.1
(2,1968)	1:140:D:GLU:H	1:140:D:GLU:HB3	16	0.1
(2,1967)	1:140:C:GLU:H	1:140:C:GLU:HB3	16	0.1
(2,1966)	1:140:B:GLU:H	1:140:B:GLU:HB3	2	0.1
(2,1965)	1:140:A:GLU:H	1:140:A:GLU:HB3	10	0.1
(2,1924)	1:143:D:SER:H	1:143:D:SER:HB3	1	0.1
(2,1924)	1:143:D:SER:H	1:143:D:SER:HB3	6	0.1
(2,1924)	1:143:D:SER:H	1:143:D:SER:HB3	12	0.1
(2,1924)	1:143:D:SER:H	1:143:D:SER:HB3	16	0.1
(2,1923)	1:143:C:SER:H	1:143:C:SER:HB3	1	0.1
(2,1923)	1:143:C:SER:H	1:143:C:SER:HB3	6	0.1
(2,1923)	1:143:C:SER:H	1:143:C:SER:HB3	12	0.1
(2,1923)	1:143:C:SER:H	1:143:C:SER:HB3	16	0.1
(2,1922)	1:143:B:SER:H	1:143:B:SER:HB3	1	0.1
(2,1922)	1:143:B:SER:H	1:143:B:SER:HB3	6	0.1
(2,1922)	1:143:B:SER:H	1:143:B:SER:HB3	12	0.1
(2,1922)	1:143:B:SER:H	1:143:B:SER:HB3	16	0.1
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	1	0.1
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	2	0.1
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	6	0.1
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	11	0.1
(2,1921)	1:143:A:SER:H	1:143:A:SER:HB3	16	0.1
(2,1814)	1:152:B:LEU:H	1:153:B:VAL:HG21	8	0.1
(2,1503)	1:163:C:ARG:H	1:163:C:ARG:HD2	4	0.1
(2,1501)	1:163:A:ARG:H	1:163:A:ARG:HD2	4	0.1
(2,1402)	1:134:B:ARG:H	1:135:B:LEU:HB3	13	0.1
(2,1332)	1:146:D:LEU:HD23	1:145:C:ILE:HA	8	0.1
(2,1331)	1:146:C:LEU:HD22	1:145:B:ILE:HA	16	0.1
(2,1329)	1:146:A:LEU:HD22	1:145:D:ILE:HA	13	0.1
(2,1324)	1:148:D:MET:HE3	1:150:A:HIS:HA	3	0.1
(2,1321)	1:148:A:MET:HE1	1:150:B:HIS:HA	11	0.1
(2,1284)	1:153:D:VAL:HG13	1:151:C:THR:HB	2	0.1
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	4	0.1
(2,1284)	1:153:D:VAL:HG13	1:151:C:THR:HB	16	0.1
(2,1284)	1:153:D:VAL:HG12	1:151:C:THR:HB	20	0.1
(2,1282)	1:153:B:VAL:HG11	1:151:A:THR:HB	15	0.1
(2,1281)	1:153:A:VAL:HG13	1:151:D:THR:HB	2	0.1
(2,1281)	1:153:A:VAL:HG11	1:151:D:THR:HB	15	0.1
(2,1271)	1:153:C:VAL:HG21	1:148:B:MET:HG3	1	0.1
(2,1270)	1:153:B:VAL:HG21	1:148:A:MET:HG3	11	0.1
(2,1269)	1:153:A:VAL:HG21	1:148:D:MET:HG3	1	0.1
(2,1144)	1:126:D:SER:HA	1:127:D:THR:HG21	5	0.1
(2,1132)	1:136:D:ASP:HA	1:139:D:ASP:HB2	17	0.1
(2,1131)	1:136:C:ASP:HA	1:139:C:ASP:HB2	17	0.1
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	14	0.1
(2,1130)	1:136:B:ASP:HA	1:139:B:ASP:HB2	17	0.1
(2,1074)	1:127:B:THR:HA	1:131:B:ILE:HD12	18	0.1
(2,1073)	1:127:A:THR:HA	1:131:A:ILE:HD12	18	0.1
(2,1067)	1:133:C:ALA:HB3	1:134:C:ARG:HD2	7	0.1
(2,1045)	1:146:A:LEU:HG	1:149:A:LEU:HD13	12	0.1
(2,1013)	1:129:A:ASP:HA	1:132:A:THR:HG22	4	0.1
(2,1010)	1:127:B:THR:HA	1:130:B:ASN:HB2	5	0.1
(2,1009)	1:127:A:THR:HA	1:130:A:ASN:HB2	5	0.1
(2,1007)	1:132:C:THR:HG21	1:135:C:LEU:HD13	12	0.1
(2,867)	1:149:C:LEU:HB2	1:149:C:LEU:HD21	9	0.1
(2,866)	1:149:B:LEU:HB2	1:149:B:LEU:HD21	9	0.1
(2,803)	1:137:C:ARG:HD3	1:141:C:LYS:HE3	14	0.1
(2,802)	1:137:B:ARG:HD3	1:141:B:LYS:HE3	14	0.1
(2,801)	1:137:A:ARG:HD3	1:141:A:LYS:HE3	14	0.1
(2,708)	1:160:D:THR:HA	1:159:D:PRO:HB2	8	0.1
(2,706)	1:160:B:THR:HA	1:159:B:PRO:HB2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:160:A:THR:HA	1:159:A:PRO:HB2	8	0.1
(2,698)	1:163:B:ARG:HG2	1:162:B:ALA:HA	2	0.1
(2,696)	1:148:D:MET:HB2	1:145:D:ILE:HG23	3	0.1
(2,695)	1:148:C:MET:HB2	1:145:C:ILE:HG23	3	0.1
(2,694)	1:148:B:MET:HB2	1:145:B:ILE:HG23	3	0.1
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG23	3	0.1
(2,693)	1:148:A:MET:HB2	1:145:A:ILE:HG21	6	0.1
(2,692)	1:148:D:MET:HB2	1:148:D:MET:HE2	7	0.1
(2,691)	1:148:C:MET:HB2	1:148:C:MET:HE2	7	0.1
(2,690)	1:148:B:MET:HB2	1:148:B:MET:HE2	7	0.1
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD23	17	0.1
(2,608)	1:146:D:LEU:HB3	1:146:D:LEU:HD23	20	0.1
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD22	6	0.1
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD23	14	0.1
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD23	17	0.1
(2,607)	1:146:C:LEU:HB3	1:146:C:LEU:HD23	20	0.1
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD23	17	0.1
(2,606)	1:146:B:LEU:HB3	1:146:B:LEU:HD23	20	0.1
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD22	6	0.1
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD21	11	0.1
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD23	17	0.1
(2,605)	1:146:A:LEU:HB3	1:146:A:LEU:HD23	20	0.1
(2,548)	1:129:D:ASP:HA	1:132:D:THR:HB	17	0.1
(2,547)	1:129:C:ASP:HA	1:132:C:THR:HB	1	0.1
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	1	0.1
(2,546)	1:129:B:ASP:HA	1:132:B:THR:HB	17	0.1
(2,545)	1:129:A:ASP:HA	1:132:A:THR:HB	17	0.1
(2,443)	1:135:C:LEU:HD13	1:132:C:THR:HA	3	0.1
(2,442)	1:135:B:LEU:HD13	1:132:B:THR:HA	3	0.1
(2,441)	1:135:A:LEU:HD13	1:132:A:THR:HA	3	0.1
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	10	0.1
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	15	0.1
(2,364)	1:140:D:GLU:HB3	1:137:D:ARG:HA	18	0.1
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	15	0.1
(2,363)	1:140:C:GLU:HB3	1:137:C:ARG:HA	18	0.1
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	15	0.1
(2,362)	1:140:B:GLU:HB3	1:137:B:ARG:HA	18	0.1
(2,361)	1:140:A:GLU:HB3	1:137:A:ARG:HA	10	0.1
(2,361)	1:140:A:GLU:HB3	1:137:A:ARG:HA	18	0.1
(2,272)	1:146:D:LEU:HB3	1:143:D:SER:HA	6	0.1
(2,271)	1:146:C:LEU:HB3	1:143:C:SER:HA	6	0.1
(2,270)	1:146:B:LEU:HB3	1:143:B:SER:HA	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,176)	1:151:D:THR:HG21	1:151:D:THR:HB	13	0.1
(2,175)	1:151:C:THR:HG23	1:151:C:THR:HB	8	0.1
(2,175)	1:151:C:THR:HG21	1:151:C:THR:HB	13	0.1
(2,174)	1:151:B:THR:HG21	1:151:B:THR:HB	13	0.1
(2,168)	1:151:D:THR:HG21	1:151:D:THR:HA	12	0.1
(2,165)	1:151:A:THR:HG23	1:151:A:THR:HA	19	0.1
(2,120)	1:153:D:VAL:HG22	1:153:D:VAL:HA	3	0.1
(2,118)	1:153:B:VAL:HG22	1:153:B:VAL:HA	3	0.1
(2,64)	1:159:D:PRO:HB2	1:159:D:PRO:HD2	2	0.1
(2,63)	1:159:C:PRO:HB2	1:159:C:PRO:HD2	2	0.1
(2,56)	1:159:D:PRO:HD2	1:159:D:PRO:HB3	2	0.1
(2,55)	1:159:C:PRO:HD2	1:159:C:PRO:HB3	2	0.1
(1,655)	1:152:C:LEU:HD21	1:153:D:VAL:HA	2	0.1
(1,655)	1:152:C:LEU:HD21	1:153:D:VAL:HA	3	0.1
(1,643)	1:145:C:ILE:HG22	1:149:D:LEU:HG	7	0.1
(1,642)	1:145:B:ILE:HG23	1:149:C:LEU:HG	9	0.1
(1,642)	1:145:B:ILE:HG22	1:149:C:LEU:HG	19	0.1
(1,600)	1:131:D:ILE:HD13	1:132:A:THR:HA	6	0.1
(1,600)	1:131:D:ILE:HD13	1:132:A:THR:HA	19	0.1
(1,598)	1:131:B:ILE:HD13	1:132:C:THR:HA	6	0.1
(1,575)	1:145:C:ILE:HD11	1:142:D:LEU:HA	3	0.1
(1,574)	1:145:B:ILE:HD11	1:142:C:LEU:HA	3	0.1
(1,483)	1:135:C:LEU:HD22	1:138:B:ILE:HB	2	0.1
(1,451)	1:138:C:ILE:HD13	1:137:D:ARG:HB3	17	0.1
(1,449)	1:138:A:ILE:HD13	1:137:B:ARG:HB3	17	0.1
(1,423)	1:142:C:LEU:HD13	1:145:B:ILE:HB	15	0.1
(1,405)	1:142:A:LEU:HD22	1:145:D:ILE:HB	17	0.1
(1,389)	1:142:A:LEU:HD22	1:145:D:ILE:HG12	5	0.1
(1,284)	1:152:D:LEU:HD21	1:149:A:LEU:HA	19	0.1
(1,281)	1:152:A:LEU:HD21	1:149:B:LEU:HA	19	0.1
(1,91)	1:154:C:VAL:HB	1:153:D:VAL:HG11	9	0.1

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

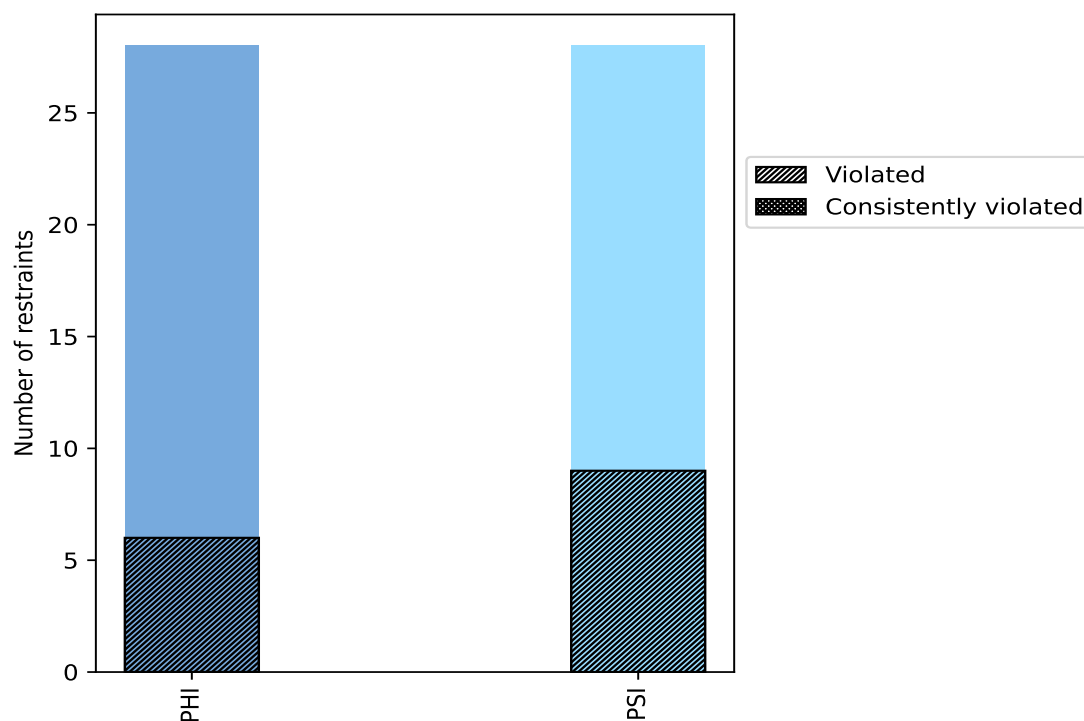
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	28	50.0	6	21.4	10.7	0	0.0	0.0
PSI	28	50.0	9	32.1	16.1	0	0.0	0.0
Total	56	100.0	15	26.8	26.8	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](#)



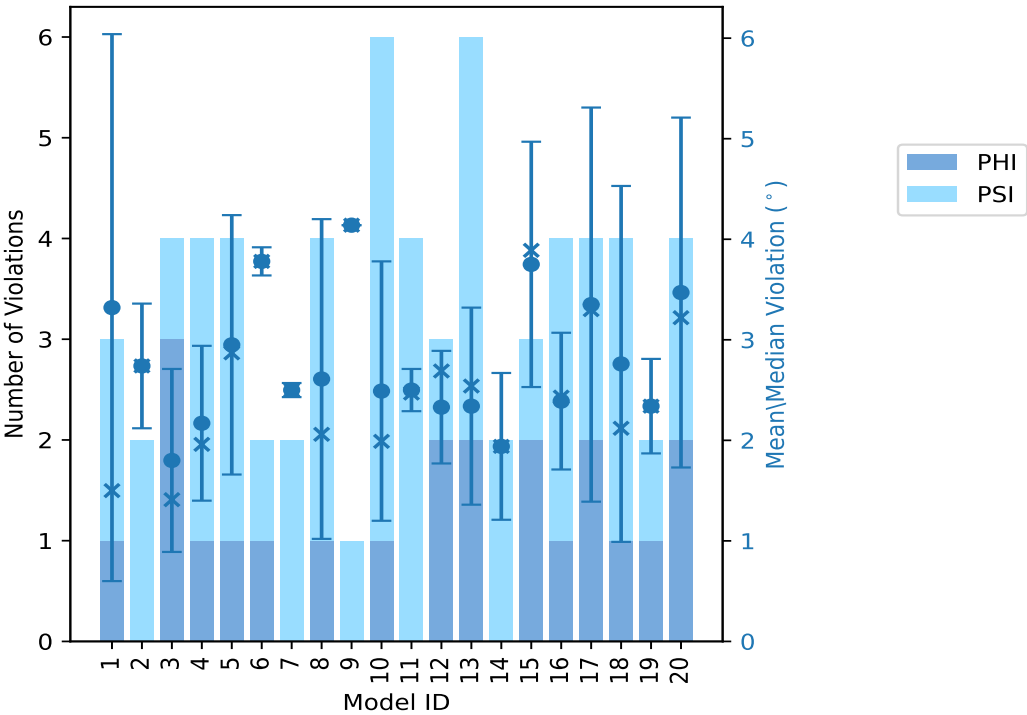
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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 (°)
	PHI	PSI	Total				
1	1	2	3	3.32	7.17	2.72	1.5
2	0	2	2	2.74	3.37	0.62	2.74
3	3	1	4	1.8	3.35	0.91	1.41
4	1	3	4	2.17	3.32	0.77	1.96
5	1	3	4	2.95	4.71	1.29	2.87
6	1	1	2	3.78	3.92	0.14	3.78
7	0	2	2	2.5	2.57	0.07	2.5
8	1	3	4	2.61	5.17	1.59	2.06
9	0	1	1	4.14	4.14	0.0	4.14
10	1	5	6	2.49	4.32	1.29	1.99
11	0	4	4	2.5	2.78	0.21	2.47
12	2	1	3	2.33	2.76	0.56	2.69
13	2	4	6	2.34	3.71	0.98	2.54
14	0	2	2	1.94	2.66	0.73	1.94
15	2	1	3	3.75	5.16	1.22	3.89
16	1	3	4	2.39	3.29	0.68	2.43
17	2	2	4	3.35	5.66	1.96	3.3
18	1	3	4	2.76	5.61	1.77	2.12
19	1	1	2	2.34	2.82	0.47	2.34
20	2	2	4	3.47	6.1	1.74	3.22

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

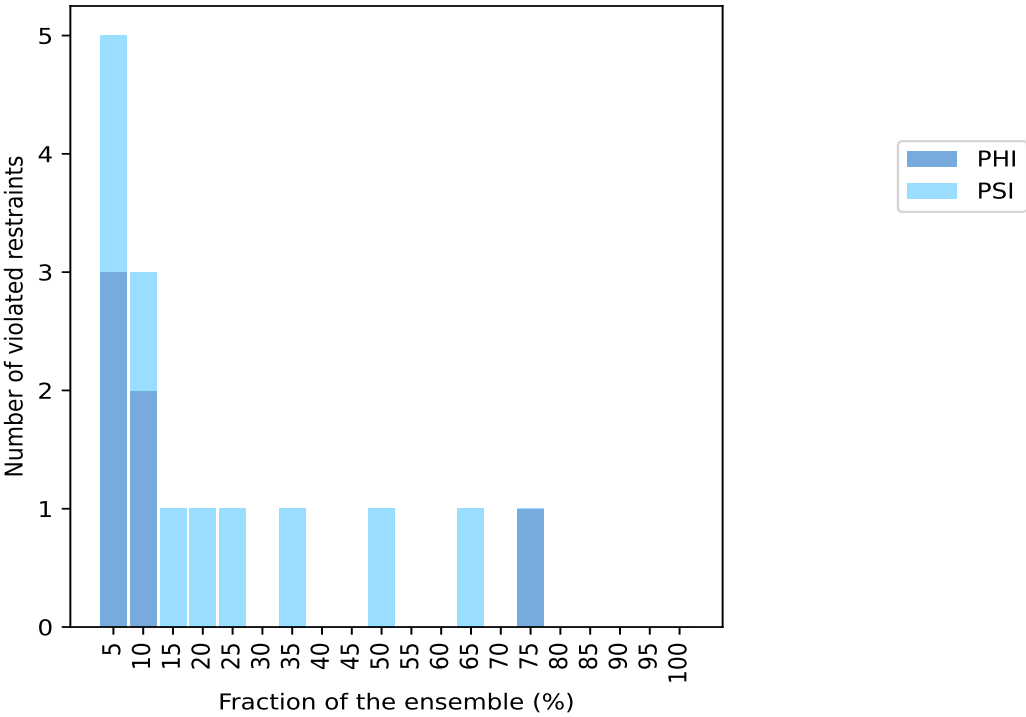
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	0	0	12	60.0
0	1	1	13	65.0
0	0	0	14	70.0
1	0	1	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	0	0	20	100.0

¹ Number of models with violations

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

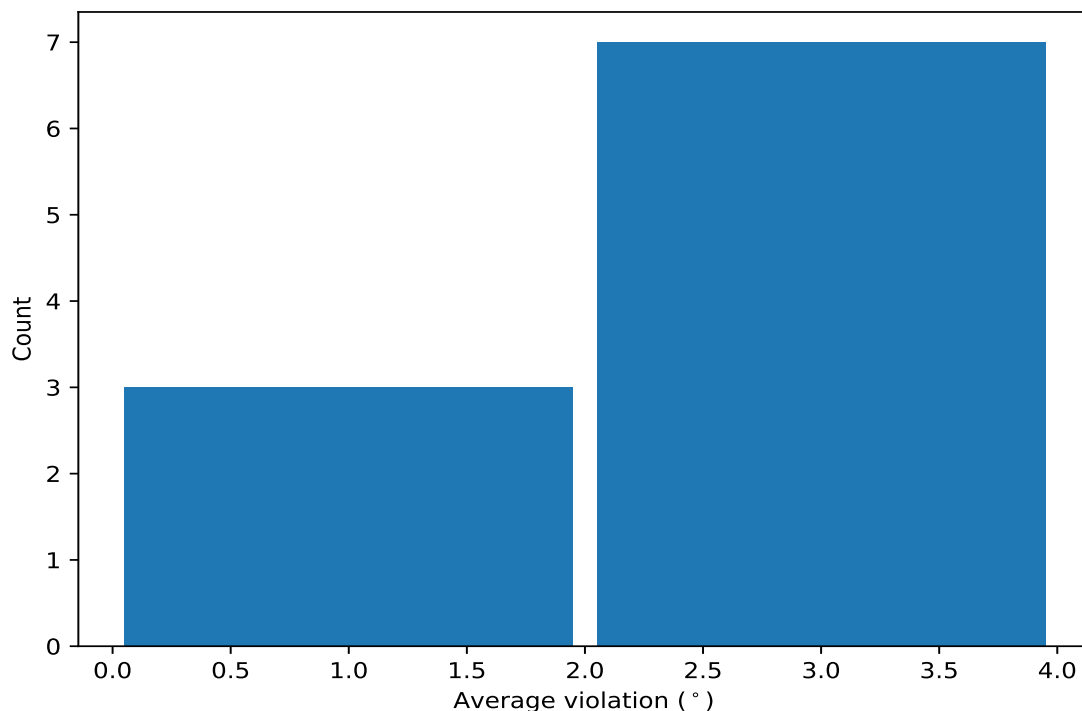


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints [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.

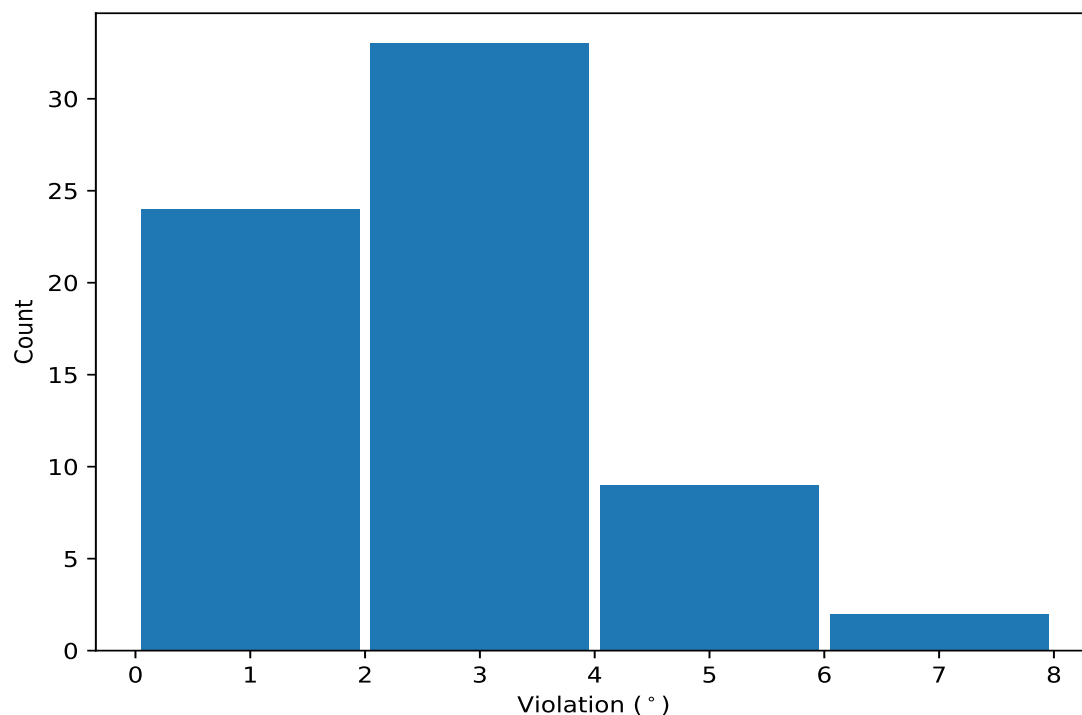
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	15	3.88	1.79	3.92
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	13	2.58	1.14	2.42
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	10	1.64	0.49	1.42
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	7	2.9	0.66	2.88
(1,50)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:VAL:N	5	2.33	0.64	2.41
(1,56)	1:156:A:SER:N	1:156:A:SER:CA	1:156:A:SER:C	1:157:A:ALA:N	4	3.9	0.92	3.9
(1,16)	1:136:A:ASP:N	1:136:A:ASP:CA	1:136:A:ASP:C	1:137:A:ARG:N	3	1.99	0.55	1.72
(1,13)	1:134:A:ARG:C	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	2	3.02	0.33	3.02
(1,5)	1:130:A:ASN:C	1:131:A:ILE:N	1:131:A:ILE:CA	1:131:A:ILE:C	2	2.42	0.23	2.42
(1,30)	1:143:A:SER:N	1:143:A:SER:CA	1:143:A:SER:C	1:144:A:GLU:N	2	1.02	0.01	1.02

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)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	1	7.17
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	20	6.1
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	17	5.66
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	18	5.61
(1,56)	1:156:A:SER:N	1:156:A:SER:CA	1:156:A:SER:C	1:157:A:ALA:N	8	5.17
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	15	5.16
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	17	4.89
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	5	4.71
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	10	4.32
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	9	4.14
(1,56)	1:156:A:SER:N	1:156:A:SER:CA	1:156:A:SER:C	1:157:A:ALA:N	10	4.1
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	6	3.92
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	15	3.89
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	20	3.78

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,56)	1:156:A:SER:N	1:156:A:SER:CA	1:156:A:SER:C	1:157:A:ALA:N	13	3.71
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	6	3.64
(1,44)	1:150:A:HIS:N	1:150:A:HIS:CA	1:150:A:HIS:C	1:151:A:THR:N	5	3.55
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	2	3.37
(1,13)	1:134:A:ARG:C	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	3	3.35
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	4	3.32
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	16	3.29
(1,50)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:VAL:N	13	3.1
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	18	2.88
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	19	2.82
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	11	2.78
(1,16)	1:136:A:ASP:N	1:136:A:ASP:CA	1:136:A:ASP:C	1:137:A:ARG:N	12	2.76
(1,50)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:VAL:N	8	2.7
(1,13)	1:134:A:ARG:C	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	12	2.69
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	13	2.69
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	14	2.66
(1,5)	1:130:A:ASN:C	1:131:A:ILE:N	1:131:A:ILE:CA	1:131:A:ILE:C	20	2.65
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	16	2.64
(1,56)	1:156:A:SER:N	1:156:A:SER:CA	1:156:A:SER:C	1:157:A:ALA:N	11	2.61
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	7	2.57
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	4	2.43
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	7	2.42
(1,50)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:VAL:N	10	2.41
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	13	2.38
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	11	2.34
(1,50)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:VAL:N	11	2.27
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	16	2.22
(1,5)	1:130:A:ASN:C	1:131:A:ILE:N	1:131:A:ILE:CA	1:131:A:ILE:C	15	2.19
(1,4)	1:130:A:ASN:N	1:130:A:ASN:CA	1:130:A:ASN:C	1:131:A:ILE:N	5	2.19
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	2	2.12
(1,14)	1:135:A:LEU:N	1:135:A:LEU:CA	1:135:A:LEU:C	1:136:A:ASP:N	19	1.87
(1,16)	1:136:A:ASP:N	1:136:A:ASP:CA	1:136:A:ASP:C	1:137:A:ARG:N	17	1.72
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	10	1.57
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	12	1.53
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	10	1.52
(1,16)	1:136:A:ASP:N	1:136:A:ASP:CA	1:136:A:ASP:C	1:137:A:ARG:N	1	1.5
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	4	1.49
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	4	1.43
(1,51)	1:153:A:VAL:C	1:154:A:VAL:N	1:154:A:VAL:CA	1:154:A:VAL:C	3	1.43
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	8	1.42
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	16	1.41
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	3	1.39
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	18	1.36
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	20	1.35
(1,8)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:ALA:N	5	1.34
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	1	1.3
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	14	1.21
(1,50)	1:153:A:VAL:N	1:153:A:VAL:CA	1:153:A:VAL:C	1:154:A:VAL:N	18	1.19
(1,11)	1:133:A:ALA:C	1:134:A:ARG:N	1:134:A:ARG:CA	1:134:A:ARG:C	8	1.15
(1,17)	1:136:A:ASP:C	1:137:A:ARG:N	1:137:A:ARG:CA	1:137:A:ARG:C	17	1.13
(1,31)	1:143:A:SER:C	1:144:A:GLU:N	1:144:A:GLU:CA	1:144:A:GLU:C	13	1.09

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,54)	1:155:A:ALA:N	1:155:A:ALA:CA	1:155:A:ALA:C	1:156:A:SER:N	13	1.05
(1,30)	1:143:A:SER:N	1:143:A:SER:CA	1:143:A:SER:C	1:144:A:GLU:N	3	1.02
(1,30)	1:143:A:SER:N	1:143:A:SER:CA	1:143:A:SER:C	1:144:A:GLU:N	10	1.01