



Full wwPDB NMR Structure Validation Report ⓘ

Jun 3, 2023 – 05:56 AM EDT

PDB ID : 5JTO
BMRB ID : 30083
Title : The structure of chaperone SecB in complex with unstructured proPhoA binding site d
Authors : Huang, C.; Saio, T.; Rossi, P.; Kalodimos, C.G.
Deposited on : 2016-05-09

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.33

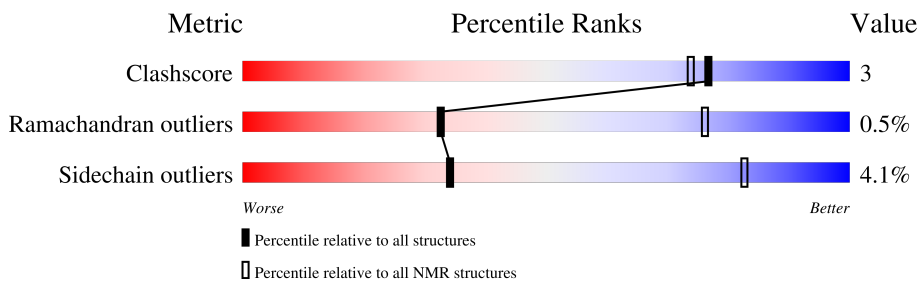
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 53%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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

Mol	Chain	Length	Quality of chain
1	A	155	
1	B	155	
1	C	155	
1	D	155	
2	E	40	
2	F	40	
2	G	40	
2	H	40	

2 Ensemble composition and analysis

This entry contains 20 models. Model 5 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:10-A:134, B:10-B:133, C:9-C:134, D:10-D:133 (499)	0.91	5

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 and 1 single-model cluster was found.

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

3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 11912 atoms, of which 5848 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein-export protein SecB.

Mol	Chain	Residues	Atoms						Trace
1	A	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	
1	B	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	
1	C	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	
1	D	155	Total	C	H	N	O	S	0
			2367	762	1155	198	243	9	

- Molecule 2 is a protein called Alkaline phosphatase.

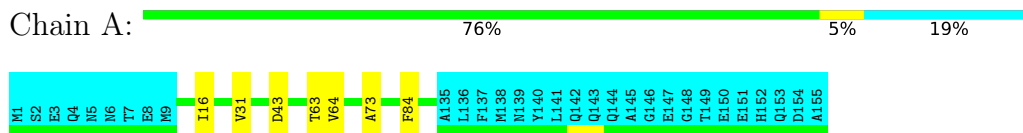
Mol	Chain	Residues	Atoms						Trace
2	E	40	Total	C	H	N	O	S	0
			611	194	307	54	54	2	
2	F	40	Total	C	H	N	O	S	0
			611	194	307	54	54	2	
2	G	40	Total	C	H	N	O	S	0
			611	194	307	54	54	2	
2	H	40	Total	C	H	N	O	S	0
			611	194	307	54	54	2	

4 Residue-property plots i

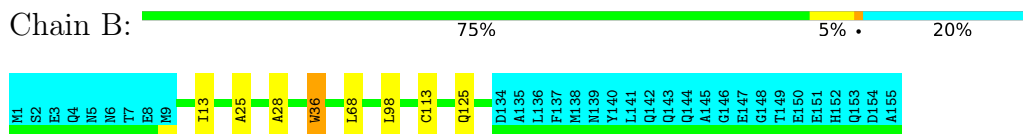
4.1 Average score per residue in the NMR ensemble

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.

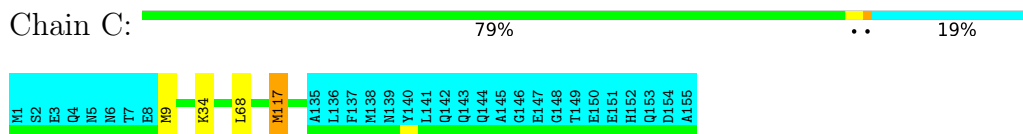
- Molecule 1: Protein-export protein SecB



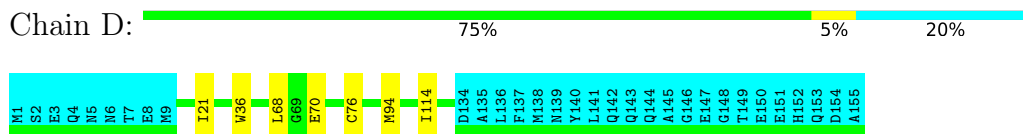
- Molecule 1: Protein-export protein SecB



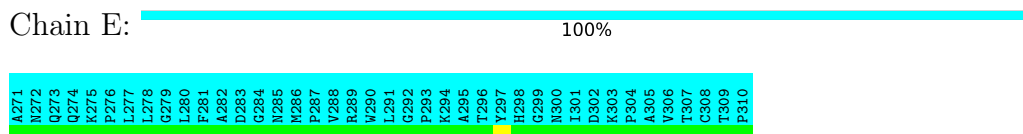
- Molecule 1: Protein-export protein SecB



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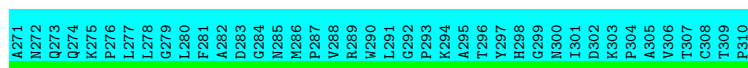


- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

Chain F:  100%



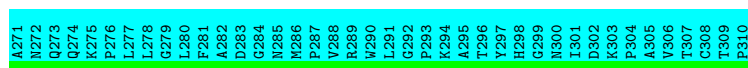
- Molecule 2: Alkaline phosphatase

Chain G:  100%



- Molecule 2: Alkaline phosphatase

Chain H:  100%



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

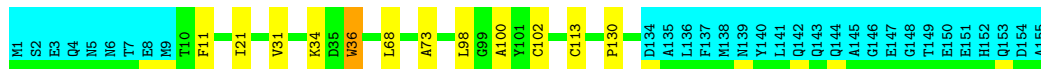
- Molecule 1: Protein-export protein SecB

Chain A:  74% 6% 19%



- Molecule 1: Protein-export protein SecB

Chain B:  72% 7% 20%

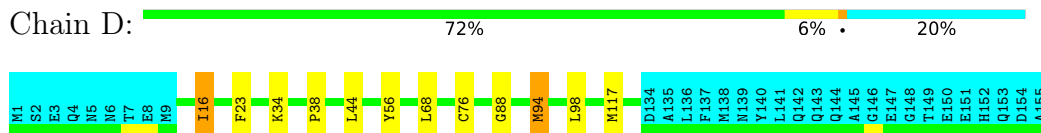


- Molecule 1: Protein-export protein SecB

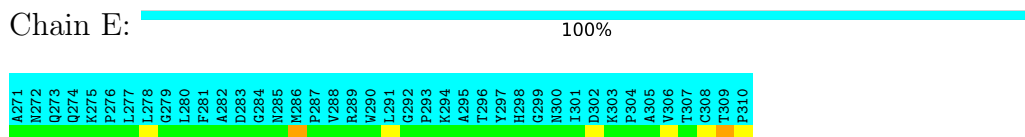
Chain C:  72% 9% 19%



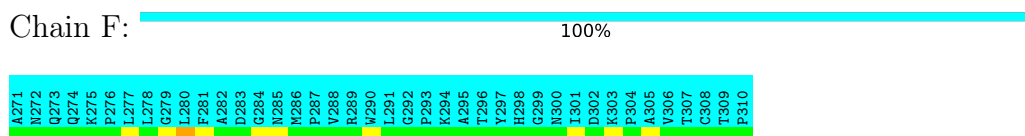
- Molecule 1: Protein-export protein SecB



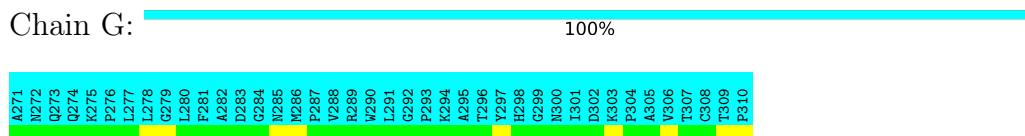
- Molecule 2: Alkaline phosphatase



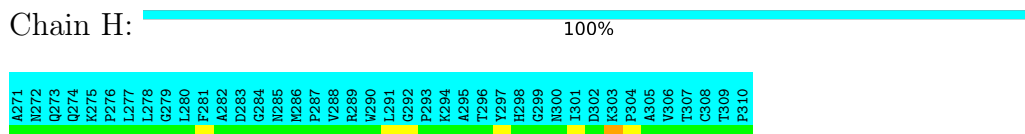
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

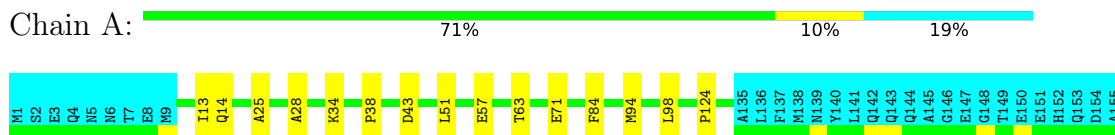


- Molecule 2: Alkaline phosphatase

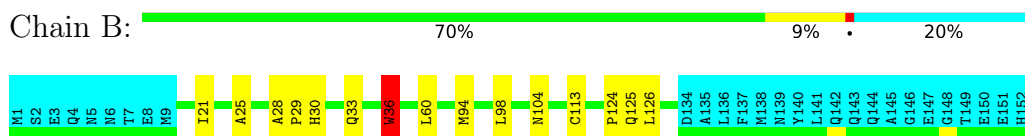


4.2.2 Score per residue for model 2

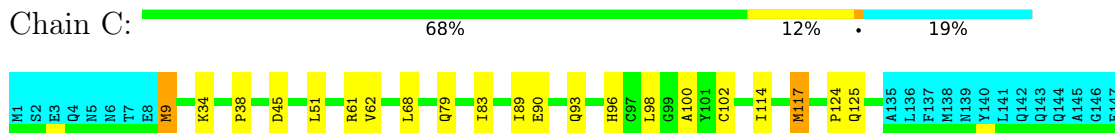
- Molecule 1: Protein-export protein SecB



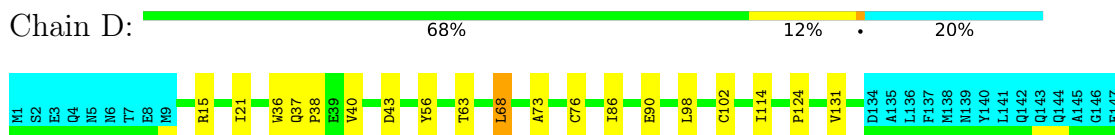
- Molecule 1: Protein-export protein SecB



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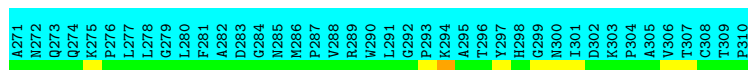
- Molecule 1: Protein-export protein SecB



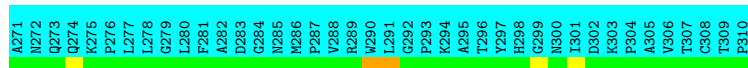
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

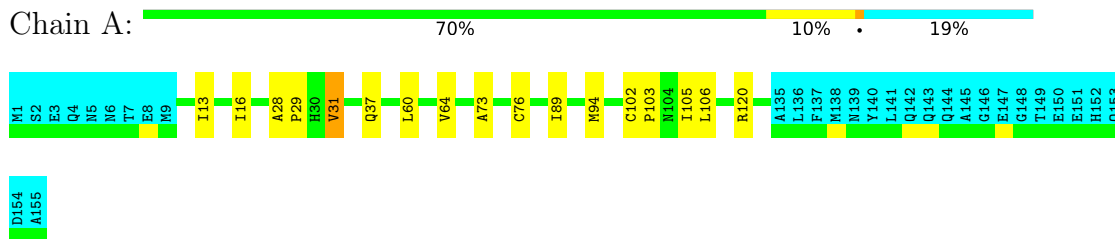


- Molecule 2: Alkaline phosphatase

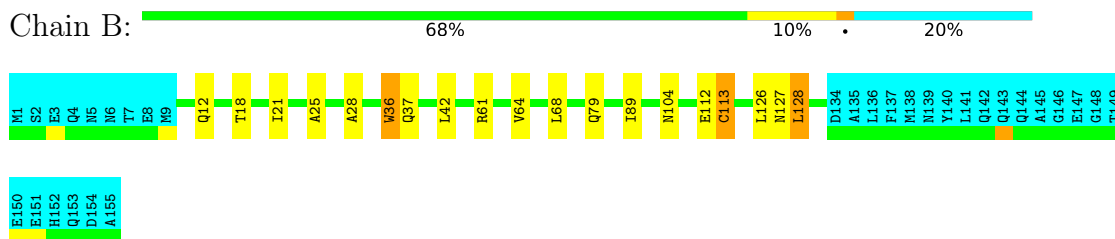


4.2.3 Score per residue for model 3

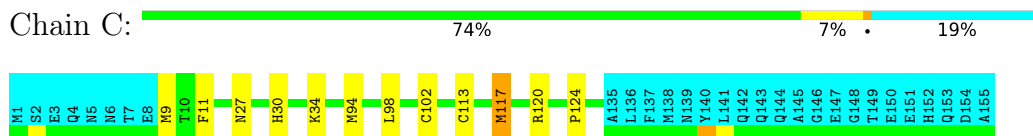
- Molecule 1: Protein-export protein SecB



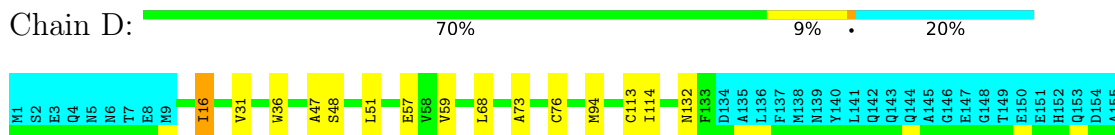
- Molecule 1: Protein-export protein SecB



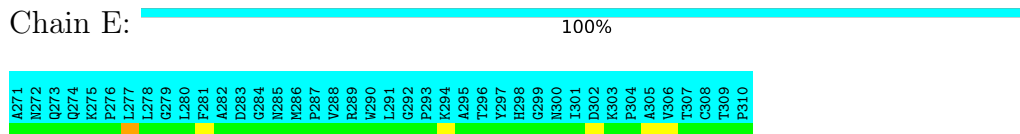
- Molecule 1: Protein-export protein SecB



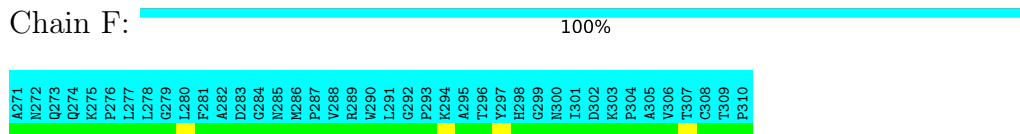
- Molecule 1: Protein-export protein SecB



- Molecule 2: Alkaline phosphatase

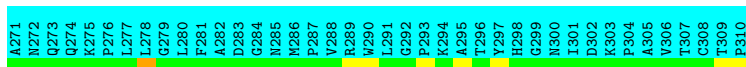


- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase





- Molecule 2: Alkaline phosphatase

Chain H: 100%



4.2.4 Score per residue for model 4

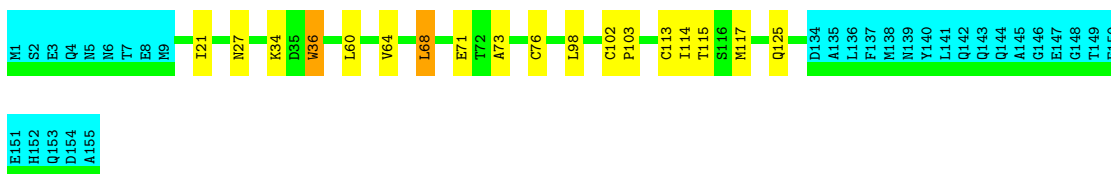
- Molecule 1: Protein-export protein SecB

Chain A: 74% 7% 19%



- Molecule 1: Protein-export protein SecB

Chain B: 68% 10% 20%



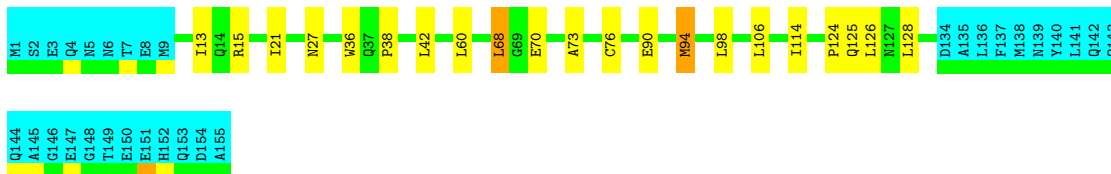
- Molecule 1: Protein-export protein SecB

Chain C: 75% 5% 19%



- Molecule 1: Protein-export protein SecB

Chain D: 66% 12% 20%



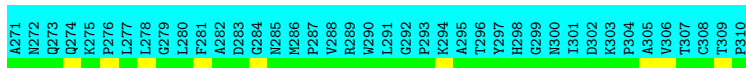
- Molecule 2: Alkaline phosphatase

Chain E: 100%



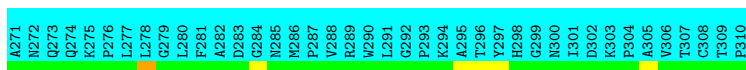
- Molecule 2: Alkaline phosphatase

Chain F: 100%



- Molecule 2: Alkaline phosphatase

Chain G: 100%



- Molecule 2: Alkaline phosphatase

Chain H: 100%



4.2.5 Score per residue for model 5 (medoid)

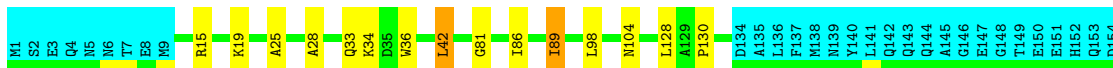
- Molecule 1: Protein-export protein SecB

Chain A: 70% 11% 19%



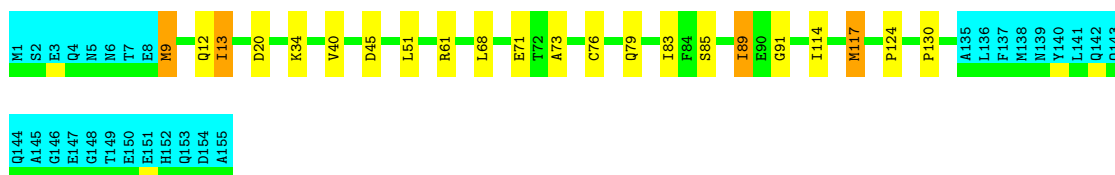
- Molecule 1: Protein-export protein SecB

Chain B: 70% 8% 20%



- Molecule 1: Protein-export protein SecB

Chain C: 67% 12% 19%



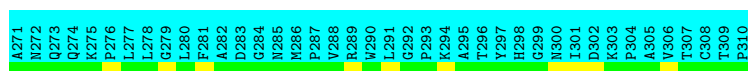
- Molecule 1: Protein-export protein SecB

Chain D: 73% 7% 20%



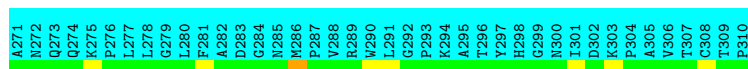
- Molecule 2: Alkaline phosphatase

Chain E: 100%



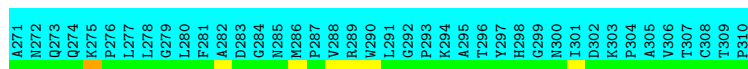
- Molecule 2: Alkaline phosphatase

Chain F: 100%



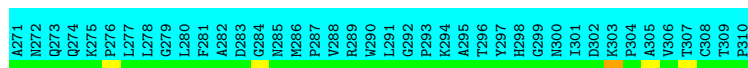
- Molecule 2: Alkaline phosphatase

Chain G: 100%



- Molecule 2: Alkaline phosphatase

Chain H: 100%



4.2.6 Score per residue for model 6

- Molecule 1: Protein-export protein SecB

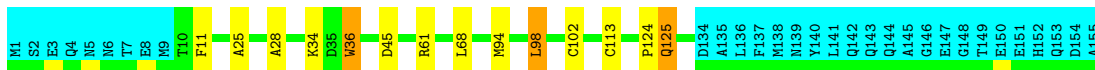
Chain A: 68% 12% 19%





- Molecule 1: Protein-export protein SecB

Chain B: 71% 7% 20%



- Molecule 1: Protein-export protein SecB

Chain C: 72% 7% 19%



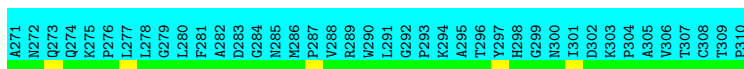
- Molecule 1: Protein-export protein SecB

Chain D: 73% 7% 20%



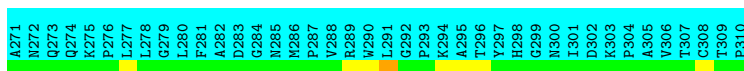
- Molecule 2: Alkaline phosphatase

Chain E: 100%



- Molecule 2: Alkaline phosphatase

Chain F: 100%



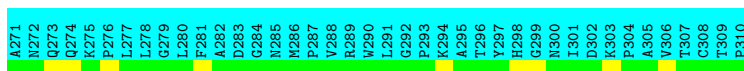
- Molecule 2: Alkaline phosphatase

Chain G: 100%



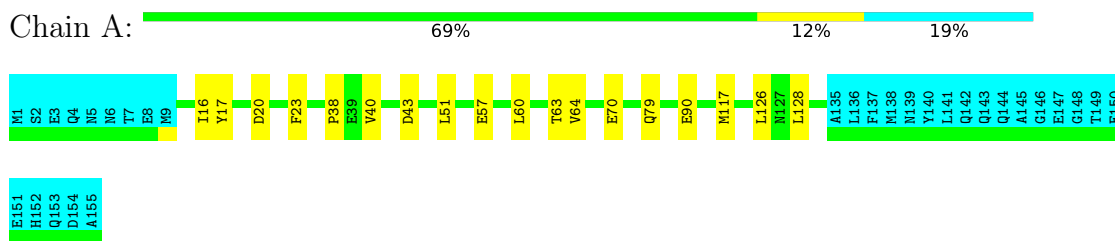
- Molecule 2: Alkaline phosphatase

Chain H: 100%

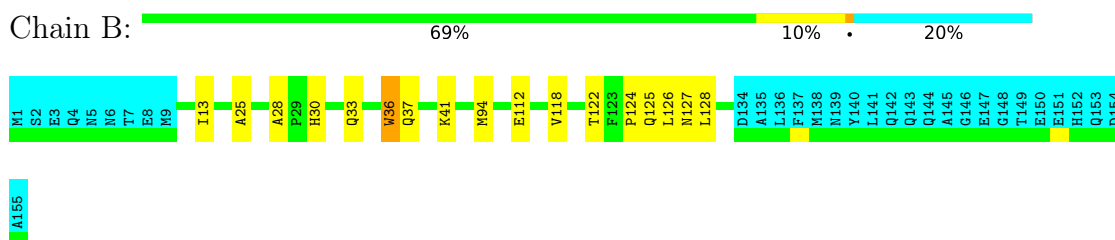


4.2.7 Score per residue for model 7

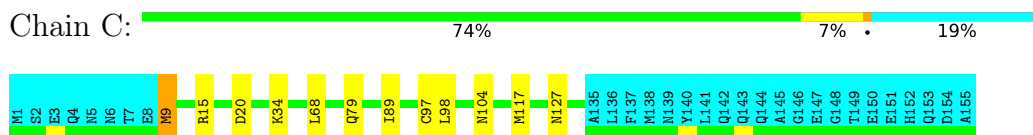
- Molecule 1: Protein-export protein SecB



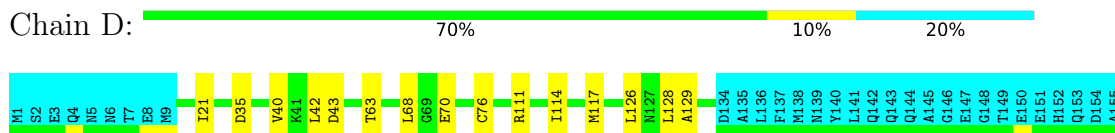
- Molecule 1: Protein-export protein SecB



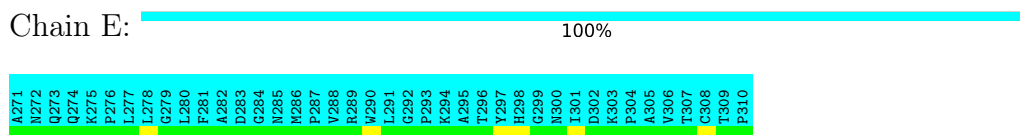
- Molecule 1: Protein-export protein SecB



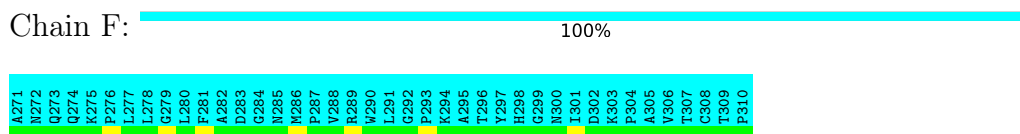
- Molecule 1: Protein-export protein SecB



- Molecule 2: Alkaline phosphatase

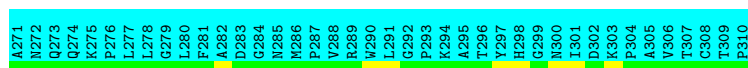


- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

Chain G:  100%



- Molecule 2: Alkaline phosphatase

Chain H:  100%



4.2.8 Score per residue for model 8

- Molecule 1: Protein-export protein SecB

Chain A:  72% 8% 19%



- Molecule 1: Protein-export protein SecB

Chain B:  71% 8% 20%



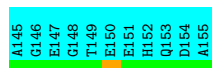
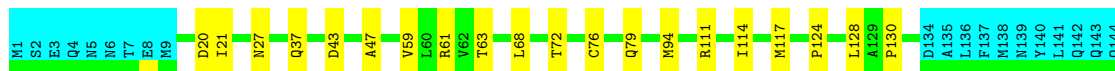
- Molecule 1: Protein-export protein SecB

Chain C:  68% 10% 19%



- Molecule 1: Protein-export protein SecB

Chain D:  67% 13% 20%



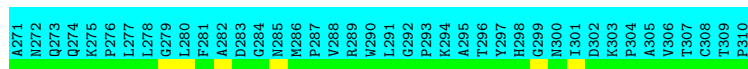
- Molecule 2: Alkaline phosphatase

Chain E:  100%



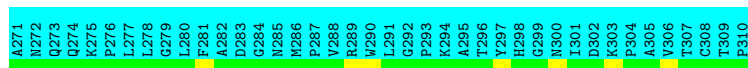
- Molecule 2: Alkaline phosphatase

Chain F:  100%



- Molecule 2: Alkaline phosphatase

Chain G:  100%



- Molecule 2: Alkaline phosphatase

Chain H:  100%



4.2.9 Score per residue for model 9

- Molecule 1: Protein-export protein SecB

Chain A:  74% 6% 19%



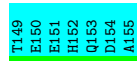
- Molecule 1: Protein-export protein SecB

Chain B:  66% 12% 20%



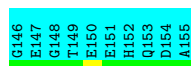
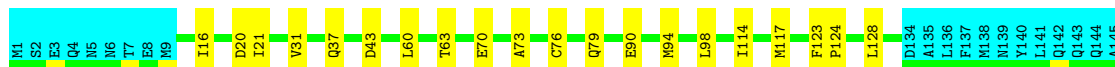
- Molecule 1: Protein-export protein SecB

Chain C:  68% 13% 19%



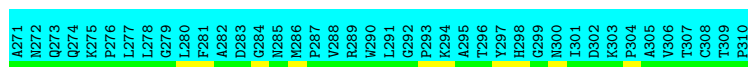
- Molecule 1: Protein-export protein SecB

Chain D: 67% 13% 20%



- Molecule 2: Alkaline phosphatase

Chain E: 100%



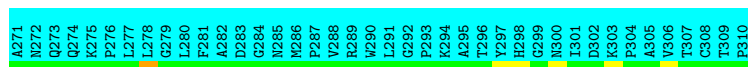
- Molecule 2: Alkaline phosphatase

Chain F: 100%



- Molecule 2: Alkaline phosphatase

Chain G: 100%



- Molecule 2: Alkaline phosphatase

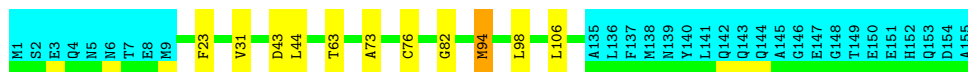
Chain H: 100%



4.2.10 Score per residue for model 10

- Molecule 1: Protein-export protein SecB

Chain A: 74% 6% 19%



• Molecule 1: Protein-export protein SecB



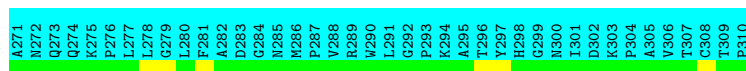
• Molecule 1: Protein-export protein SecB



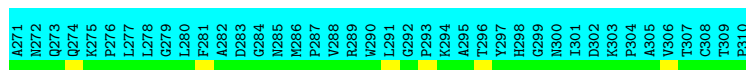
• Molecule 1: Protein-export protein SecB



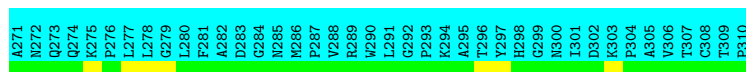
• Molecule 2: Alkaline phosphatase



• Molecule 2: Alkaline phosphatase

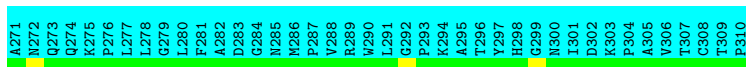


• Molecule 2: Alkaline phosphatase



• Molecule 2: Alkaline phosphatase



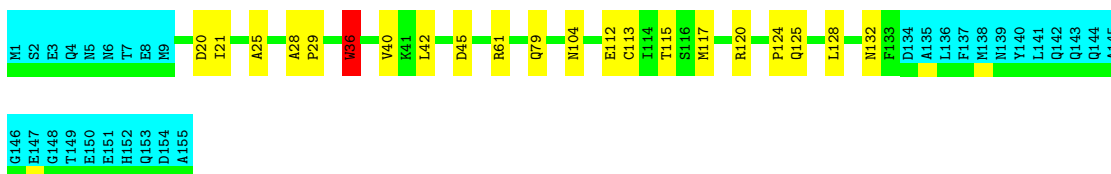


4.2.11 Score per residue for model 11

- Molecule 1: Protein-export protein SecB



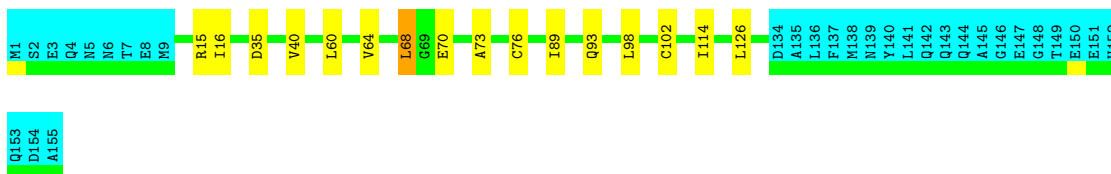
- Molecule 1: Protein-export protein SecB



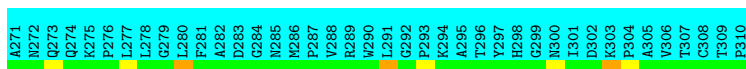
- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB



- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase





- Molecule 2: Alkaline phosphatase

Chain G: 100%



- Molecule 2: Alkaline phosphatase

Chain H: 100%



4.2.12 Score per residue for model 12

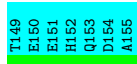
- Molecule 1: Protein-export protein SecB

Chain A: 68% 12% 19%



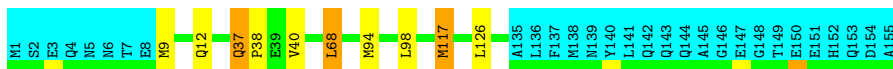
- Molecule 1: Protein-export protein SecB

Chain B: 68% 11% 20%



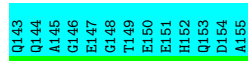
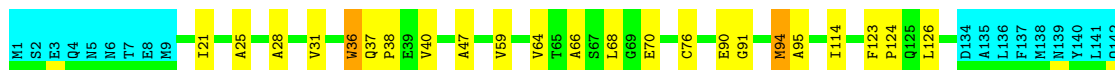
- Molecule 1: Protein-export protein SecB

Chain C: 75% 5% 19%



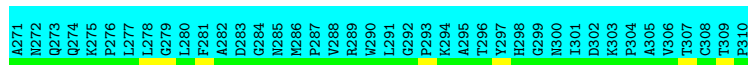
- Molecule 1: Protein-export protein SecB

Chain D: 65% 14% 20%



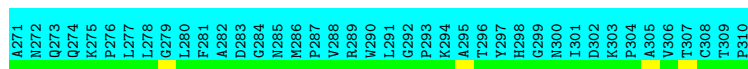
- Molecule 2: Alkaline phosphatase

Chain E: 100%



- Molecule 2: Alkaline phosphatase

Chain F: 100%



- Molecule 2: Alkaline phosphatase

Chain G: 100%



- Molecule 2: Alkaline phosphatase

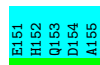
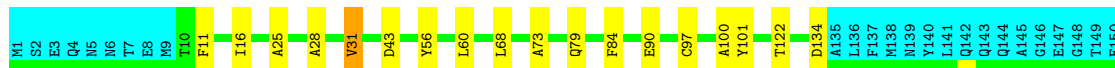
Chain H: 100%



4.2.13 Score per residue for model 13

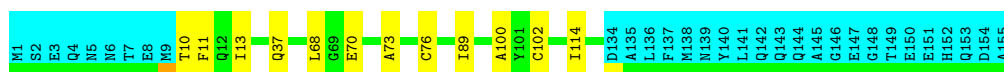
- Molecule 1: Protein-export protein SecB

Chain A: 69% 11% 19%



- Molecule 1: Protein-export protein SecB

Chain B: 72% 8% 20%



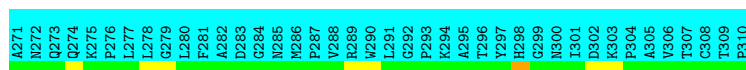
- Molecule 1: Protein-export protein SecB



- Molecule 1: Protein-export protein SecB



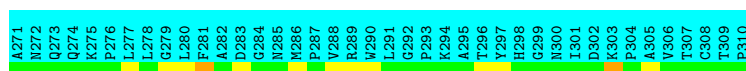
- Molecule 2: Alkaline phosphatase



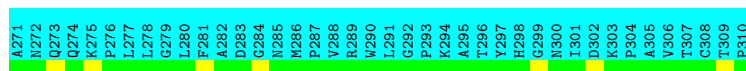
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

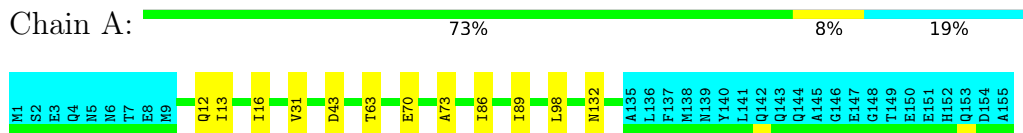


- Molecule 2: Alkaline phosphatase

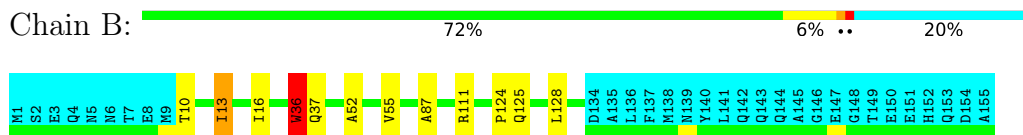


4.2.14 Score per residue for model 14

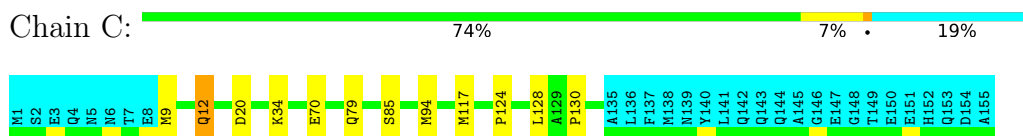
- Molecule 1: Protein-export protein SecB



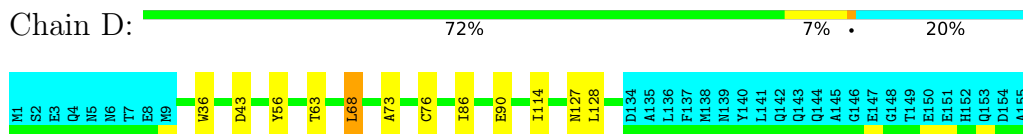
- Molecule 1: Protein-export protein SecB



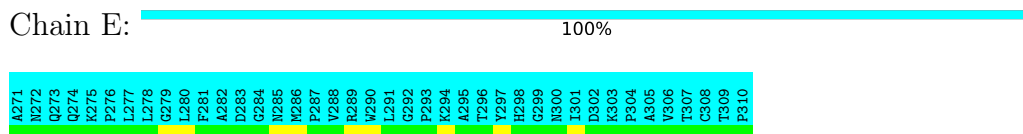
- Molecule 1: Protein-export protein SecB



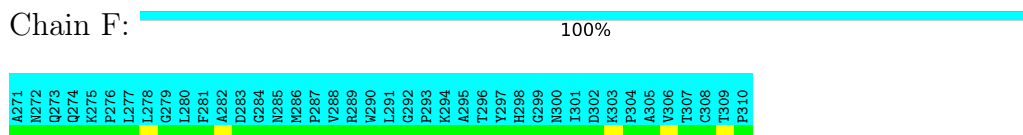
- Molecule 1: Protein-export protein SecB



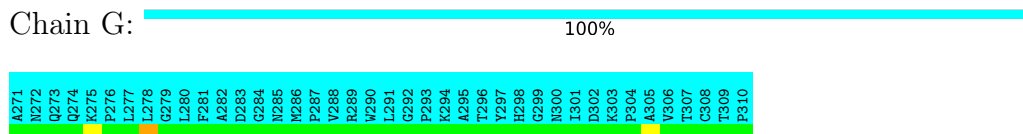
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

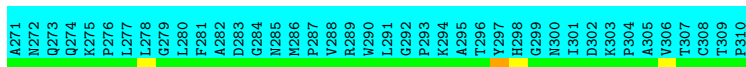


- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase





4.2.15 Score per residue for model 15

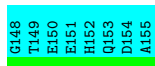
- Molecule 1: Protein-export protein SecB

Chain A: 70% 11% 19%



- Molecule 1: Protein-export protein SecB

Chain B: 68% 10% 20%



- Molecule 1: Protein-export protein SecB

Chain C: 76% 19%



- Molecule 1: Protein-export protein SecB

Chain D: 72% 8% 20%



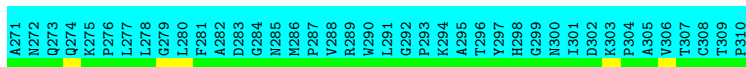
- Molecule 2: Alkaline phosphatase

Chain E: 100%



- Molecule 2: Alkaline phosphatase

Chain F: 100%



- Molecule 2: Alkaline phosphatase

Chain G:

100%



- Molecule 2: Alkaline phosphatase

Chain H:

100%



4.2.16 Score per residue for model 16

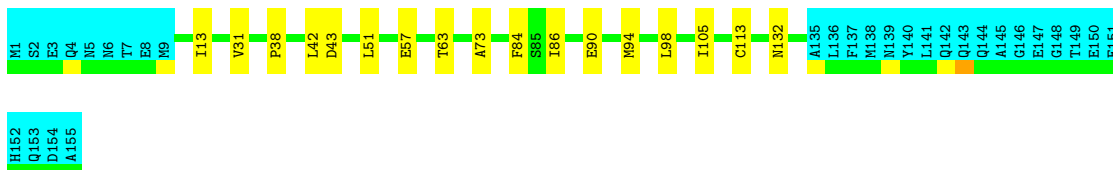
- Molecule 1: Protein-export protein SecB

Chain A:

70%

11%

19%



- Molecule 1: Protein-export protein SecB

Chain B:

71%

9%

20%



- Molecule 1: Protein-export protein SecB

Chain C:

71%

10%

19%



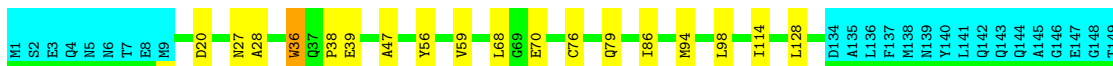
- Molecule 1: Protein-export protein SecB

Chain D:

68%

11%

20%



E150
E151
H152
Q153
D154
A155

- Molecule 2: Alkaline phosphatase

Chain E:  100%

A271
M272
Q273
Q274
K275
P276
L277
L278
G279
L280
F281
A282
D283
G284
M285
M286
P287
V288
R289
W290
L291
G292
P293
K294
A295
T296
Y297
H298
G299
N300
I301
D302
K303
P304
A305
V306
T307
C308
T309
P310

- Molecule 2: Alkaline phosphatase

Chain F:  100%

A271
M272
Q273
Q274
K275
P276
L277
L278
G279
L280
F281
A282
D283
G284
M285
M286
P287
V288
R289
W290
L291
G292
P293
K294
A295
T296
Y297
H298
G299
N300
I301
D302
K303
P304
A305
V306
T307
C308
T309
P310

- Molecule 2: Alkaline phosphatase

Chain G:  100%

A271
M272
Q273
Q274
K275
P276
L277
L278
G279
L280
F281
A282
D283
G284
M285
M286
P287
V288
R289
W290
L291
G292
P293
K294
A295
T296
Y297
H298
G299
N300
I301
D302
K303
P304
A305
V306
T307
C308
T309
P310

- Molecule 2: Alkaline phosphatase

Chain H:  100%

A271
M272
Q273
Q274
K275
P276
L277
L278
G279
L280
F281
A282
D283
G284
M285
M286
P287
V288
R289
W290
L291
G292
P293
K294
A295
T296
Y297
H298
G299
N300
I301
D302
K303
P304
A305
V306
T307
C308
T309
P310

4.2.17 Score per residue for model 17

- Molecule 1: Protein-export protein SecB

Chain A:  64%  16%  19%

M1
S2
E3
Q4
N5
M6
T7
E8
M9
T10
I13
I16
F23
E39
D43
L44
D45
A52
R61
V62
T63
V64
F64
A87
E90
Q83
M94
A95
H96
A100
I105
Y109
T115
P124
Q125
L126
M132
F133
D134
A135
L136
F137
M138
M139
Y140
M138

H139
Y140
L141
Q142
Q143
Q144
A145
G146
E147
G148
T149
E150
E151
H152
Q153
D154
A155

- Molecule 1: Protein-export protein SecB

Chain B:  65%  15%  20%

M1
S2
E3
Q4
N5
M6
T7
E8
M9
T10
F11
Q12
R15
D20
I21
A25
A28
P29
H30
Q33
W36
L42
D43
L44
L60
T63
L68
E71
M94
L98
C113
M117
R120
L128
D134
A135
L136
F137
M138
M139
Y140
L141

Q142
Q143
Q144
A145
G146
E147
G148
T149
E150
E151
H152
Q153
D154
A155

- Molecule 1: Protein-export protein SecB

Chain C:  70% 9% 19%

M1 S2 E3 Q4 N5 N6 T7 E8 E9 M9 Q12 I13 D20 I21 D45 L60 R61 L68 G69 Q79 S85 I89 L98 P108 C113 M117 M132 A136 L136 F137 M138 M139 Y140 L141 Q142 Q143 Q144 Q145 G146 E147 E148 T149 E150 H151 H152 Q153 D154 A155

- Molecule 1: Protein-export protein SecB

Chain D:  70% 10% 20%

M1 S2 E3 Q4 N5 N6 T7 E8 E9 M9 I16 I21 K34 Y56 V64 L68 G69 E70 C76 I86 A87 M94 L98 I114 M117 L126 M127 L128 D134 A135 L136 F137 M138 M139 Y140 L141 Q142 Q143 Q144 A145 G146 E147 E148 T149 E150 H151 H152

Q153
D154
A155

- Molecule 2: Alkaline phosphatase

Chain E:  100%

A271 M272 Q273 Q274 K275 P276 L277 L278 G279 L280 F281 A282 D283 G284 M285 M286 P287 V288 R289 W290 L291 G292 P293 K294 A295 T296 Y297 H298 G299 N300 I301 D302 K303 P304 A305 V306 T307 C308 T309 P310

- Molecule 2: Alkaline phosphatase

Chain F:  100%

A271 M272 Q273 Q274 K275 P276 L277 L278 G279 L280 F281 A282 D283 G284 M285 M286 P287 V288 R289 W290 L291 G292 P293 K294 A295 T296 Y297 H298 G299 N300 I301 D302 K303 P304 A305 V306 T307 C308 T309 P310

- Molecule 2: Alkaline phosphatase

Chain G:  100%

A271 M272 Q273 Q274 K275 P276 L277 L278 G279 L280 F281 A282 D283 G284 M285 M286 P287 V288 R289 W290 L291 G292 P293 K294 A295 T296 Y297 H298 G299 N300 I301 D302 K303 P304 A305 V306 T307 C308 T309 P310

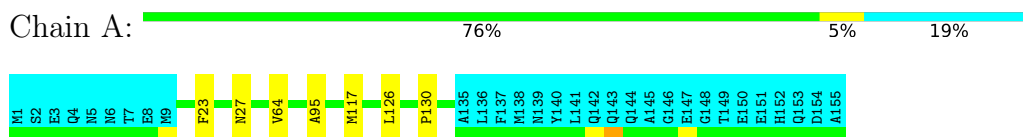
- Molecule 2: Alkaline phosphatase

Chain H:  100%

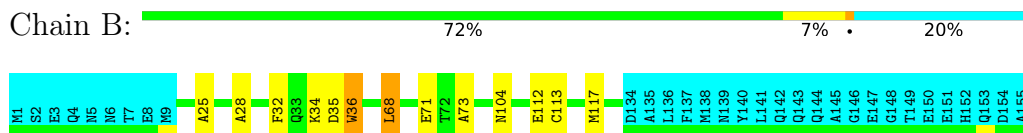
A271 M272 Q273 Q274 K275 P276 L277 L278 G279 L280 F281 A282 D283 G284 M285 M286 P287 V288 R289 W290 L291 G292 P293 K294 A295 T296 Y297 H298 G299 N300 I301 D302 K303 P304 A305 V306 T307 C308 T309 P310

4.2.18 Score per residue for model 18

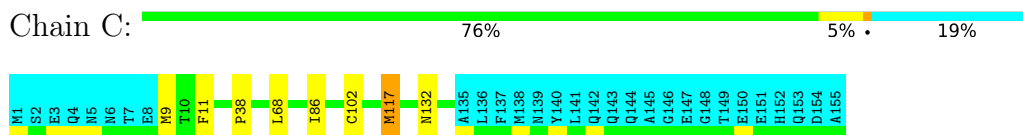
- Molecule 1: Protein-export protein SecB



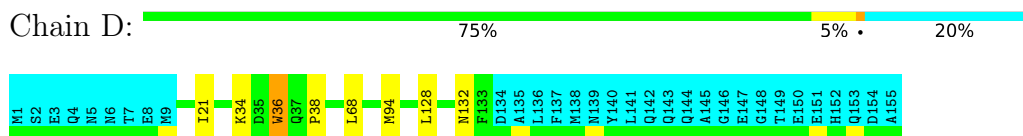
- Molecule 1: Protein-export protein SecB



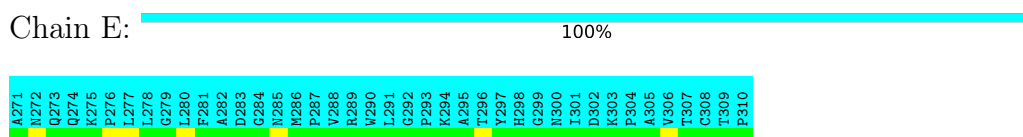
- Molecule 1: Protein-export protein SecB



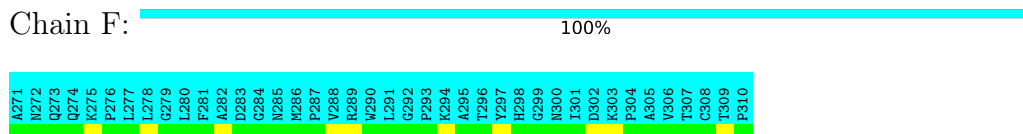
- Molecule 1: Protein-export protein SecB



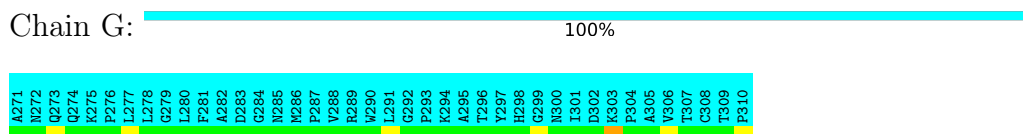
- Molecule 2: Alkaline phosphatase



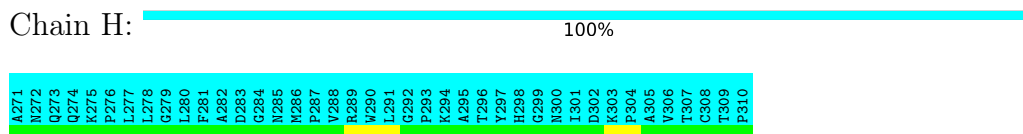
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

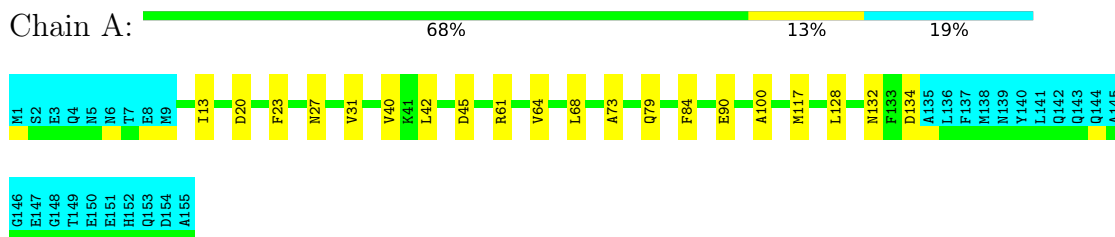


- Molecule 2: Alkaline phosphatase

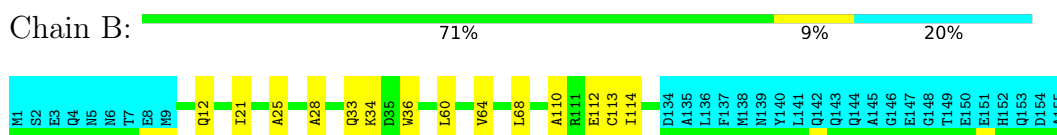


4.2.19 Score per residue for model 19

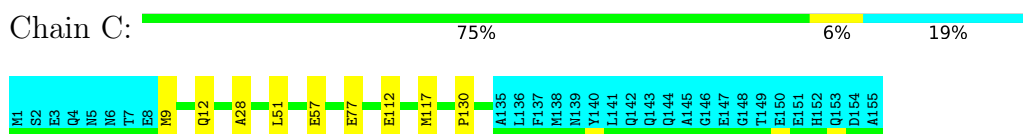
- Molecule 1: Protein-export protein SecB



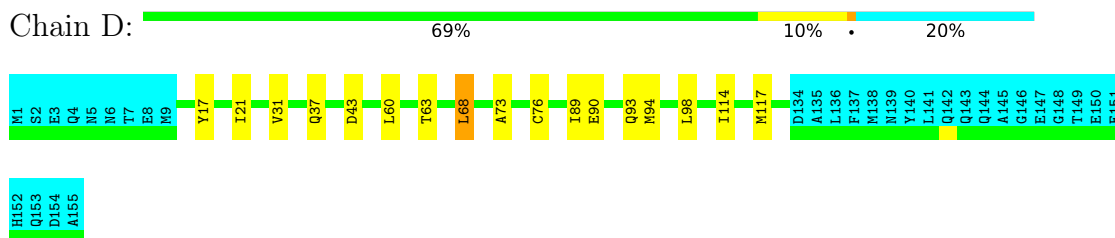
- Molecule 1: Protein-export protein SecB



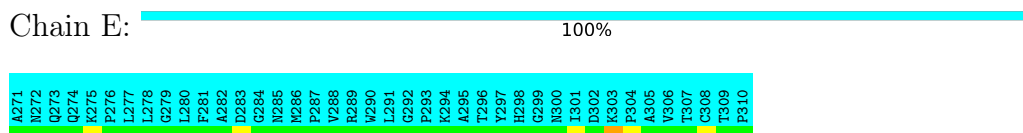
- Molecule 1: Protein-export protein SecB



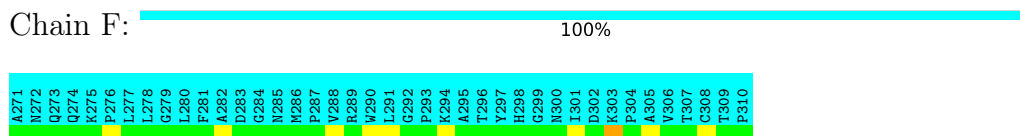
- Molecule 1: Protein-export protein SecB



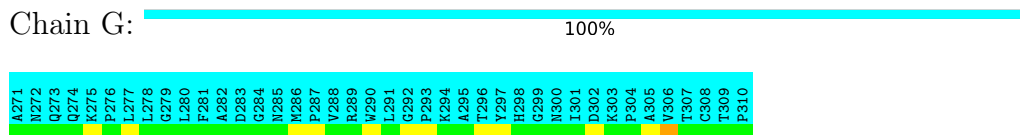
- Molecule 2: Alkaline phosphatase



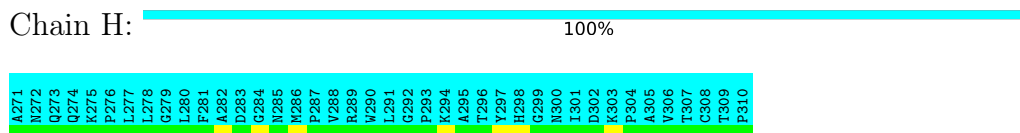
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase

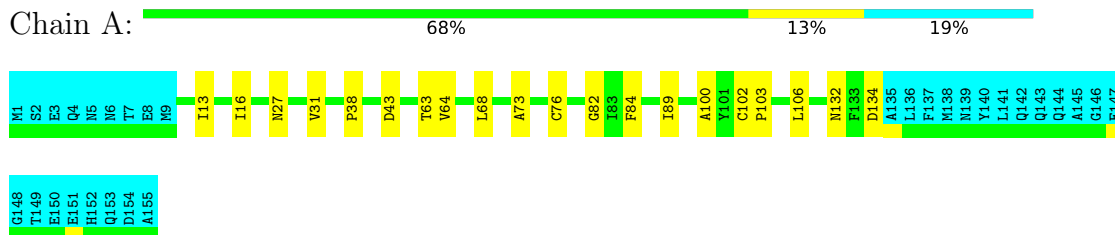


- Molecule 2: Alkaline phosphatase

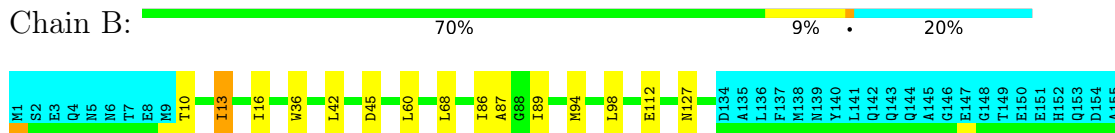


4.2.20 Score per residue for model 20

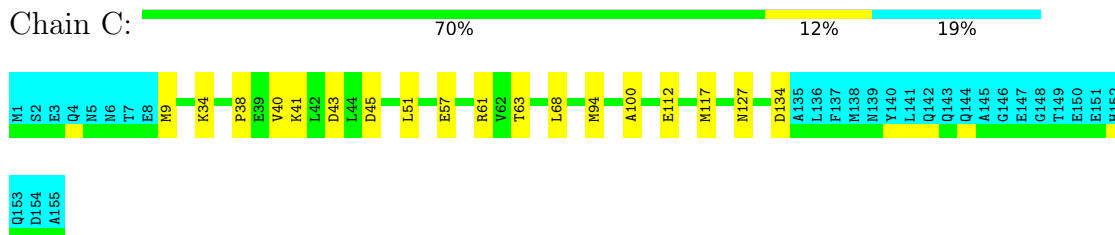
- Molecule 1: Protein-export protein SecB



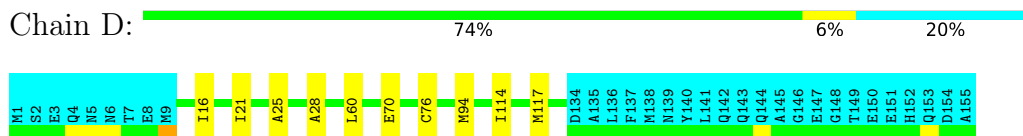
- Molecule 1: Protein-export protein SecB



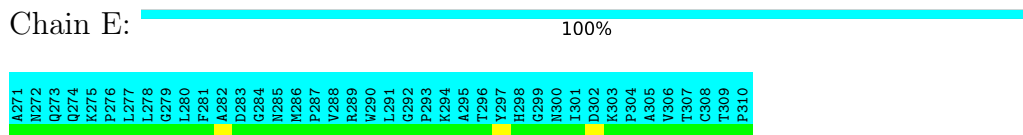
- Molecule 1: Protein-export protein SecB



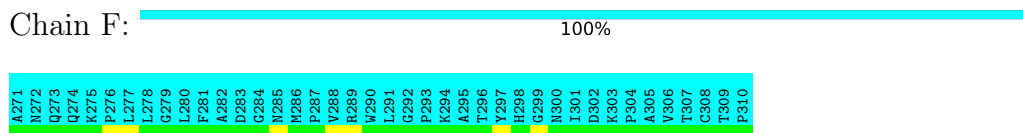
- Molecule 1: Protein-export protein SecB



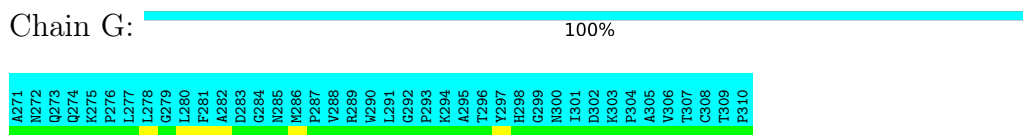
- Molecule 2: Alkaline phosphatase



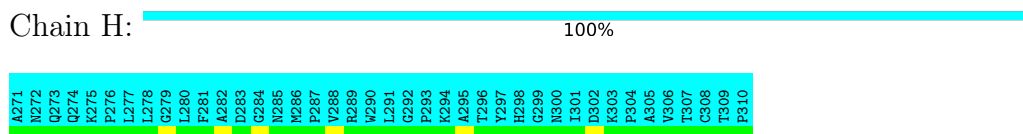
- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase



- Molecule 2: Alkaline phosphatase



5 Refinement protocol and experimental data overview

The models were refined using the following method: *molecular dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CNS	refinement	
CYANA	structure calculation	

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	8
Total number of shifts	5072
Number of shifts mapped to atoms	5072
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	53%

6 Model quality i

6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	973	946	944	7±2
1	B	965	942	940	7±2
1	C	981	955	953	6±3
1	D	965	942	940	6±2
2	E	0	0	0	0±0
2	F	0	0	0	0±0
2	G	0	0	0	0±0
2	H	0	0	0	0±0
All	All	77680	75700	75540	460

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 3.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:25:ALA:HB1	1:B:28:ALA:HB2	0.84	1.47	15	8
1:A:31:VAL:HG21	1:A:73:ALA:HA	0.67	1.65	13	11
1:A:64:VAL:HG11	1:A:126:LEU:HD21	0.65	1.68	12	8
1:D:25:ALA:HB1	1:D:28:ALA:HB2	0.64	1.68	13	3
1:B:25:ALA:CB	1:B:28:ALA:HB2	0.62	2.24	19	11
1:D:40:VAL:HG12	1:D:66:ALA:HB2	0.62	1.72	12	1
1:C:43:ASP:HB2	1:C:63:THR:HB	0.61	1.72	20	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:23:PHE:HD1	1:A:76:CYS:HG	0.61	1.37	15	3
1:A:100:ALA:HB1	1:A:134:ASP:HA	0.61	1.73	13	8
1:C:9:MET:SD	1:C:11:PHE:HB2	0.60	2.36	8	2
1:B:98:LEU:HA	1:B:102:CYS:SG	0.60	2.36	4	6
1:A:122:THR:HG21	1:B:15:ARG:HD2	0.60	1.73	5	1
1:B:60:LEU:HD11	1:B:103:PRO:HA	0.59	1.74	15	1
1:B:125:GLN:HB2	1:C:124:PRO:HA	0.58	1.75	14	2
1:D:43:ASP:HB2	1:D:63:THR:HB	0.57	1.75	8	7
1:D:68:LEU:HD13	1:D:73:ALA:HB2	0.56	1.76	3	2
1:D:94:MET:SD	1:D:98:LEU:HD23	0.56	2.41	4	1
1:D:76:CYS:SG	1:D:114:ILE:HG23	0.56	2.40	14	13
1:C:45:ASP:HB3	1:C:61:ARG:HB2	0.56	1.77	13	2
1:D:38:PRO:HB3	1:D:68:LEU:HD11	0.55	1.77	13	1
1:C:61:ARG:HG2	1:C:79:GLN:HG2	0.55	1.77	2	3
1:A:60:LEU:HD23	1:A:106:LEU:HD12	0.55	1.79	3	2
1:A:122:THR:HG21	1:D:125:GLN:HE21	0.55	1.60	13	1
1:B:61:ARG:HB2	1:B:79:GLN:HG2	0.55	1.79	3	1
1:C:98:LEU:HA	1:C:102:CYS:SG	0.55	2.42	3	4
1:D:42:LEU:HD12	1:D:128:LEU:HD12	0.55	1.78	7	1
1:A:43:ASP:HB2	1:A:63:THR:HB	0.54	1.79	17	13
1:A:61:ARG:HB2	1:A:79:GLN:HG2	0.53	1.79	19	3
1:B:11:PHE:HE1	1:B:102:CYS:HG	0.53	1.42	6	4
1:C:20:ASP:HB3	1:C:79:GLN:HB2	0.53	1.80	17	5
1:C:117:MET:HE3	1:D:21:ILE:HD13	0.53	1.78	6	4
1:C:34:LYS:HD2	1:C:68:LEU:HD21	0.52	1.81	4	2
1:B:86:ILE:HB	1:B:89:ILE:HD11	0.52	1.82	5	2
1:C:45:ASP:HB3	1:C:61:ARG:HD2	0.52	1.81	17	1
1:B:18:THR:HG21	1:B:21:ILE:HD11	0.52	1.82	3	1
1:B:43:ASP:HB2	1:B:63:THR:HB	0.52	1.81	12	2
1:D:68:LEU:HG	1:D:73:ALA:HB2	0.52	1.80	2	6
1:A:44:LEU:HD21	1:A:60:LEU:HD12	0.52	1.81	6	1
1:A:82:GLY:HA3	1:A:106:LEU:HD21	0.52	1.80	6	3
1:B:115:THR:HG23	1:B:125:GLN:HB2	0.52	1.80	11	4
1:D:31:VAL:HG21	1:D:73:ALA:HA	0.52	1.80	9	2
1:D:20:ASP:HB3	1:D:79:GLN:HB2	0.51	1.81	16	3
1:B:21:ILE:HD11	1:B:113:CYS:SG	0.51	2.46	3	7
1:C:94:MET:HG2	1:C:98:LEU:HD23	0.51	1.81	1	1
1:A:120:ARG:HD3	1:B:113:CYS:SG	0.51	2.46	6	3
1:B:68:LEU:HG	1:B:73:ALA:HB2	0.51	1.82	9	5
1:B:36:TRP:HA	1:B:36:TRP:CE3	0.51	2.41	11	4
1:D:76:CYS:SG	1:D:114:ILE:HG12	0.50	2.46	10	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:61:ARG:HB2	1:D:79:GLN:HG2	0.50	1.83	8	1
1:A:13:ILE:HG21	1:C:130:PRO:HG2	0.50	1.83	14	3
1:C:34:LYS:HE3	1:C:71:GLU:HG3	0.50	1.83	5	2
1:C:76:CYS:SG	1:C:114:ILE:HA	0.50	2.46	5	2
1:B:52:ALA:HB3	1:B:55:VAL:HB	0.50	1.82	14	1
1:C:51:LEU:HD11	1:C:83:ILE:HD12	0.50	1.83	5	6
1:C:27:ASN:HB2	1:C:30:HIS:HB3	0.50	1.81	3	1
1:C:111:ARG:HG3	1:C:128:LEU:HB2	0.50	1.83	9	1
1:B:13:ILE:HD11	1:B:16:ILE:HG13	0.49	1.84	8	4
1:C:10:THR:HG22	1:C:12:GLN:HE22	0.49	1.67	13	1
1:C:9:MET:SD	1:C:97:CYS:SG	0.49	3.07	11	2
1:B:45:ASP:HB3	1:B:61:ARG:HD3	0.49	1.84	11	1
1:A:25:ALA:HB1	1:A:28:ALA:HB2	0.49	1.85	2	2
1:A:11:PHE:HE2	1:A:84:PHE:HB3	0.48	1.68	5	4
1:A:20:ASP:HB2	1:A:79:GLN:HB2	0.48	1.84	19	1
1:B:10:THR:HG22	1:B:12:GLN:HE22	0.48	1.67	10	1
1:C:11:PHE:HE1	1:C:102:CYS:HG	0.48	1.50	18	2
1:A:109:TYR:CE1	1:C:108:PRO:HA	0.48	2.43	17	1
1:B:64:VAL:HG21	1:B:114:ILE:HG21	0.48	1.83	4	2
1:D:38:PRO:HA	1:D:68:LEU:HB3	0.48	1.86	1	2
1:A:51:LEU:HD11	1:A:57:GLU:HB2	0.48	1.86	2	3
1:C:11:PHE:CE1	1:C:102:CYS:SG	0.48	3.06	3	1
1:D:36:TRP:CD2	1:D:68:LEU:HD22	0.48	2.43	16	1
1:B:12:GLN:NE2	1:B:85:SER:HB2	0.48	2.24	16	1
1:A:68:LEU:HD13	1:A:73:ALA:HB2	0.47	1.86	20	2
1:C:11:PHE:HE1	1:C:102:CYS:SG	0.47	2.32	13	1
1:C:117:MET:HE2	1:D:21:ILE:HG21	0.47	1.86	18	5
1:B:111:ARG:HG3	1:B:128:LEU:HB3	0.47	1.85	14	1
1:C:100:ALA:HB1	1:C:134:ASP:HA	0.47	1.85	16	3
1:C:40:VAL:HG21	1:C:126:LEU:HD11	0.47	1.85	12	1
1:C:45:ASP:HB2	1:C:61:ARG:HB3	0.47	1.86	10	2
1:A:64:VAL:HB	1:A:76:CYS:HB2	0.47	1.86	20	2
1:C:96:HIS:O	1:C:100:ALA:HB3	0.47	2.10	9	3
1:C:51:LEU:HD11	1:C:57:GLU:HB2	0.47	1.86	15	4
1:D:21:ILE:HG23	1:D:78:VAL:HG22	0.47	1.86	15	1
1:C:86:ILE:HD12	1:C:94:MET:SD	0.47	2.50	16	1
1:A:113:CYS:SG	1:B:120:ARG:HD3	0.47	2.50	11	2
1:B:68:LEU:HD23	1:B:73:ALA:HB2	0.46	1.86	16	1
1:B:13:ILE:HD12	1:D:127:ASN:HB3	0.46	1.87	14	1
1:B:11:PHE:HE1	1:B:102:CYS:SG	0.46	2.33	6	2
1:A:86:ILE:HD13	1:A:98:LEU:HD21	0.46	1.87	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:10:THR:HB	1:B:87:ALA:HB3	0.46	1.88	14	3
1:D:96:HIS:O	1:D:100:ALA:HB3	0.46	2.11	15	1
1:D:98:LEU:HA	1:D:102:CYS:SG	0.46	2.51	2	2
1:D:47:ALA:HB3	1:D:59:VAL:HB	0.46	1.87	8	4
1:C:34:LYS:HE2	1:C:73:ALA:HA	0.46	1.86	5	5
1:B:34:LYS:HB3	1:B:68:LEU:HB2	0.46	1.87	1	1
1:A:17:TYR:HB3	1:B:122:THR:HG23	0.46	1.88	7	1
1:B:42:LEU:HD12	1:B:128:LEU:HD11	0.46	1.88	10	1
1:B:33:GLN:HG3	1:B:34:LYS:HG3	0.45	1.88	5	1
1:A:20:ASP:HB3	1:A:79:GLN:HB2	0.45	1.87	7	1
1:D:11:PHE:HE2	1:D:102:CYS:HG	0.45	1.53	10	1
1:B:22:SER:HB2	1:B:77:GLU:HB3	0.45	1.88	12	1
1:C:12:GLN:HG2	1:C:85:SER:HB3	0.45	1.89	5	1
1:D:23:PHE:HB2	1:D:117:MET:SD	0.45	2.52	1	1
1:D:21:ILE:CG2	1:D:117:MET:SD	0.45	3.04	17	8
1:A:104:ASN:ND2	1:A:134:ASP:HB2	0.45	2.27	5	1
1:A:13:ILE:HG12	1:A:84:PHE:HD2	0.45	1.71	8	6
1:C:62:VAL:HB	1:C:114:ILE:HD11	0.45	1.88	4	2
1:A:96:HIS:O	1:A:100:ALA:HB3	0.45	2.12	17	1
1:D:56:TYR:HB2	1:D:86:ILE:HD13	0.45	1.87	16	3
1:C:68:LEU:HD23	1:C:68:LEU:H	0.45	1.71	17	1
1:A:40:VAL:HA	1:A:65:THR:O	0.44	2.12	8	1
1:D:36:TRP:CH2	1:D:68:LEU:HD13	0.44	2.46	10	1
1:D:38:PRO:HA	1:D:68:LEU:HD11	0.44	1.89	12	2
1:B:64:VAL:HG11	1:B:126:LEU:HD21	0.44	1.88	3	1
1:D:64:VAL:HG11	1:D:126:LEU:HD13	0.44	1.87	17	1
1:A:94:MET:SD	1:A:95:ALA:N	0.44	2.90	9	1
1:B:38:PRO:HB3	1:B:68:LEU:HD21	0.44	1.88	16	1
1:C:113:CYS:O	1:C:117:MET:SD	0.44	2.76	6	3
1:A:28:ALA:HB3	1:A:29:PRO:HD3	0.44	1.90	3	1
1:A:76:CYS:HB3	1:A:114:ILE:HG23	0.44	1.89	4	1
1:C:13:ILE:HD13	1:C:13:ILE:H	0.44	1.73	6	1
1:D:64:VAL:HB	1:D:76:CYS:HB2	0.44	1.88	15	1
1:A:23:PHE:HB2	1:A:117:MET:SD	0.44	2.53	8	4
1:A:94:MET:SD	1:A:98:LEU:HD21	0.44	2.53	2	1
1:B:34:LYS:HB2	1:B:68:LEU:HD13	0.44	1.90	6	2
1:B:111:ARG:HG3	1:B:128:LEU:HB2	0.44	1.90	12	1
1:D:111:ARG:HD3	1:D:128:LEU:O	0.44	2.13	8	3
1:D:123:PHE:HB3	1:D:124:PRO:HD2	0.44	1.89	12	2
1:C:80:GLN:HB2	1:C:110:ALA:HB2	0.44	1.89	13	1
1:A:122:THR:HB	1:B:15:ARG:HH21	0.43	1.73	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:16:ILE:HD12	1:C:130:PRO:HG3	0.43	1.90	1	1
1:B:31:VAL:HG21	1:B:73:ALA:HA	0.43	1.90	1	1
1:B:34:LYS:O	1:B:68:LEU:HD22	0.43	2.13	4	1
1:B:42:LEU:HD21	1:B:128:LEU:HD11	0.43	1.89	3	2
1:B:60:LEU:HD22	1:B:103:PRO:HA	0.43	1.90	4	1
1:A:115:THR:HG23	1:A:125:GLN:HG3	0.43	1.90	4	4
1:B:57:GLU:HG2	1:B:83:ILE:HG12	0.43	1.90	15	1
1:C:45:ASP:HB3	1:C:61:ARG:HB3	0.43	1.89	20	2
1:A:94:MET:C	1:A:94:MET:SD	0.43	2.97	10	1
1:A:13:ILE:HG12	1:A:84:PHE:CD2	0.43	2.48	19	2
1:B:76:CYS:SG	1:B:114:ILE:HA	0.43	2.53	13	2
1:D:111:ARG:HH12	1:D:130:PRO:HB3	0.43	1.74	8	1
1:C:12:GLN:NE2	1:C:85:SER:HB2	0.43	2.28	14	1
1:D:56:TYR:HB2	1:D:86:ILE:HD12	0.43	1.90	14	1
1:B:125:GLN:HE21	1:B:125:GLN:HA	0.43	1.73	6	1
1:A:34:LYS:HG3	1:A:71:GLU:HG2	0.43	1.89	2	1
1:B:30:HIS:O	1:B:33:GLN:HG2	0.43	2.13	7	2
1:B:113:CYS:O	1:B:117:MET:HG2	0.43	2.14	15	4
1:B:42:LEU:HD22	1:B:128:LEU:HD21	0.43	1.90	11	1
1:B:64:VAL:HG23	1:B:114:ILE:HD13	0.43	1.91	19	1
1:A:45:ASP:HB2	1:A:61:ARG:HB3	0.43	1.90	1	2
1:C:120:ARG:HD3	1:D:113:CYS:SG	0.43	2.54	3	1
1:B:130:PRO:HG3	1:D:16:ILE:HD12	0.42	1.89	1	1
1:D:94:MET:SD	1:D:98:LEU:HD12	0.42	2.53	1	1
1:B:94:MET:O	1:B:98:LEU:HG	0.42	2.13	2	1
1:B:64:VAL:CG2	1:B:114:ILE:HD13	0.42	2.43	19	1
1:D:27:ASN:ND2	1:D:72:THR:HB	0.42	2.29	8	1
1:A:45:ASP:HB3	1:A:61:ARG:HB3	0.42	1.91	19	1
1:B:27:ASN:ND2	1:B:71:GLU:HB2	0.42	2.29	4	1
1:C:9:MET:HA	1:C:89:ILE:HD12	0.42	1.90	5	1
1:C:34:LYS:HE3	1:C:73:ALA:HA	0.42	1.90	11	1
1:A:16:ILE:HD12	1:A:16:ILE:N	0.42	2.29	12	1
1:A:105:ILE:HD11	1:C:132:ASN:HD21	0.42	1.73	17	1
1:B:117:MET:SD	1:B:120:ARG:HD2	0.42	2.55	9	2
1:C:37:GLN:N	1:C:38:PRO:HD3	0.42	2.30	12	1
1:C:38:PRO:HA	1:C:68:LEU:HB3	0.42	1.92	12	1
1:A:102:CYS:N	1:A:103:PRO:HD2	0.42	2.29	6	3
1:B:45:ASP:HB3	1:B:61:ARG:HB3	0.42	1.92	6	2
1:C:42:LEU:HG	1:C:128:LEU:HD21	0.42	1.91	8	1
1:C:89:ILE:HD13	1:C:94:MET:HA	0.42	1.91	8	1
1:B:42:LEU:HD11	1:B:128:LEU:HD21	0.42	1.91	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:60:LEU:HD21	1:A:103:PRO:HB3	0.42	1.92	3	1
1:D:34:LYS:HE2	1:D:36:TRP:HE1	0.42	1.74	18	1
1:C:38:PRO:HG2	1:C:40:VAL:HG13	0.42	1.92	20	1
1:D:16:ILE:H	1:D:16:ILE:HD13	0.42	1.75	3	1
1:A:31:VAL:HG11	1:A:73:ALA:HA	0.42	1.92	6	1
1:B:105:ILE:HG23	1:D:111:ARG:NH2	0.42	2.29	15	1
1:C:12:GLN:HG2	1:C:85:SER:HB2	0.42	1.92	17	1
1:A:13:ILE:CD1	1:A:105:ILE:HG21	0.42	2.45	3	1
1:D:38:PRO:HB3	1:D:68:LEU:HD23	0.42	1.91	4	1
1:A:14:GLN:HA	1:A:14:GLN:HE21	0.42	1.75	8	1
1:A:10:THR:HB	1:A:87:ALA:HB3	0.42	1.90	17	1
1:A:23:PHE:O	1:B:20:ASP:HA	0.42	2.14	17	1
1:B:34:LYS:NZ	1:B:71:GLU:HG2	0.42	2.30	18	1
1:A:13:ILE:HD11	1:A:105:ILE:HG21	0.42	1.91	16	1
1:B:110:ALA:O	1:B:114:ILE:HG13	0.42	2.15	19	1
1:B:28:ALA:HB3	1:B:29:PRO:HD3	0.42	1.92	2	1
1:A:111:ARG:NH1	1:C:105:ILE:HD12	0.42	2.30	11	1
1:B:30:HIS:HB3	1:B:33:GLN:NE2	0.42	2.30	17	1
1:A:16:ILE:HD13	1:C:130:PRO:HG3	0.41	1.91	6	1
1:A:56:TYR:HB2	1:A:86:ILE:HD13	0.41	1.91	15	1
1:A:40:VAL:HG23	1:A:64:VAL:HG13	0.41	1.91	19	1
1:B:68:LEU:HD12	1:B:73:ALA:HB2	0.41	1.91	13	1
1:A:97:CYS:SG	1:A:102:CYS:SG	0.41	3.18	12	1
1:D:60:LEU:HD23	1:D:106:LEU:HD12	0.41	1.91	4	1
1:B:118:VAL:HG21	1:B:126:LEU:HD23	0.41	1.92	9	1
1:D:64:VAL:HG11	1:D:126:LEU:HD11	0.41	1.92	11	1
1:D:38:PRO:HA	1:D:68:LEU:HD21	0.41	1.92	16	1
1:B:32:PHE:HA	1:B:35:ASP:HB2	0.41	1.92	18	1
1:A:130:PRO:HD3	1:C:13:ILE:HG22	0.41	1.92	5	1
1:B:89:ILE:HD12	1:B:94:MET:HA	0.41	1.93	20	1
1:D:25:ALA:CB	1:D:28:ALA:HB2	0.41	2.44	20	1
1:A:17:TYR:HE2	1:B:28:ALA:HB1	0.41	1.75	7	1
1:C:56:TYR:HB2	1:C:86:ILE:HD13	0.41	1.92	9	1
1:A:127:ASN:HB2	1:C:13:ILE:HD13	0.41	1.92	11	1
1:B:118:VAL:HG21	1:B:126:LEU:HD13	0.41	1.93	7	1
1:D:43:ASP:HB3	1:D:63:THR:HB	0.41	1.92	9	1
1:C:104:ASN:ND2	1:C:134:ASP:HB2	0.41	2.30	16	1
1:C:21:ILE:HG12	1:C:113:CYS:SG	0.41	2.56	17	1
1:C:28:ALA:HB1	1:D:17:TYR:HE2	0.41	1.76	19	1
1:D:94:MET:SD	1:D:95:ALA:N	0.41	2.94	12	1
1:D:31:VAL:HG13	1:D:68:LEU:HD11	0.41	1.92	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:97:CYS:HA	1:A:101:TYR:HB3	0.40	1.92	13	1
1:B:34:LYS:HB3	1:B:68:LEU:HB3	0.40	1.91	8	1
1:B:20:ASP:HB3	1:B:79:GLN:HB2	0.40	1.93	11	1
1:A:34:LYS:HD3	1:A:35:ASP:N	0.40	2.32	15	1
1:A:52:ALA:HB3	1:A:55:VAL:HB	0.40	1.92	15	1
1:C:9:MET:SD	1:C:89:ILE:HD13	0.40	2.57	2	1
1:B:125:GLN:NE2	1:B:127:ASN:HD21	0.40	2.13	8	1
1:D:31:VAL:HG22	1:D:36:TRP:CZ2	0.40	2.51	12	1
1:A:92:THR:HA	1:A:95:ALA:HB3	0.40	1.91	1	1
1:C:68:LEU:N	1:C:68:LEU:HD12	0.40	2.31	2	1
1:B:19:LYS:HD2	1:B:81:GLY:HA3	0.40	1.93	5	1
1:A:11:PHE:HA	1:A:86:ILE:HG22	0.40	1.93	11	1
1:D:51:LEU:HD11	1:D:57:GLU:HB2	0.40	1.92	3	1
1:D:15:ARG:HA	1:D:15:ARG:NE	0.40	2.31	4	1
1:A:86:ILE:HG21	1:A:97:CYS:SG	0.40	2.56	6	1
1:C:41:LYS:HE3	1:C:43:ASP:HB2	0.40	1.93	6	1
1:B:115:THR:HG21	1:C:119:SER:OG	0.40	2.16	9	1
1:D:40:VAL:HB	1:D:64:VAL:HG13	0.40	1.91	12	1
1:C:31:VAL:HG21	1:C:73:ALA:HA	0.40	1.93	16	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	125/155 (81%)	118±2 (94±2%)	7±2 (6±2%)	0±0 (0±0%)	100 100
1	B	124/155 (80%)	116±2 (93±1%)	8±2 (6±1%)	1±1 (1±1%)	26 73
1	C	126/155 (81%)	116±1 (92±1%)	9±1 (7±1%)	1±0 (1±0%)	20 68
1	D	124/155 (80%)	117±1 (95±1%)	7±1 (5±1%)	0±0 (0±0%)	50 82
2	E	0	-	-	-	-
2	F	0	-	-	-	-
2	G	0	-	-	-	-
2	H	0	-	-	-	-
All	All	9980/15600 (64%)	9340 (94%)	595 (6%)	45 (0%)	32 76

All 9 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	C	9	MET	20
1	B	36	TRP	10
1	B	124	PRO	5
1	C	130	PRO	3
1	B	130	PRO	2
1	D	91	GLY	2
1	D	124	PRO	1
1	C	124	PRO	1
1	D	28	ALA	1

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	107/132 (81%)	104±2 (97±2%)	3±2 (3±2%)	48 90
1	B	106/132 (80%)	101±2 (96±2%)	5±2 (4±2%)	32 81
1	C	108/132 (82%)	103±1 (95±1%)	5±1 (5±1%)	31 80
1	D	106/132 (80%)	101±2 (95±2%)	5±2 (5±2%)	29 78
2	E	0	-	-	-
2	F	0	-	-	-
2	G	0	-	-	-
2	H	0	-	-	-
All	All	8540/13120 (65%)	8190 (96%)	350 (4%)	34 82

All 92 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	C	117	MET	20
1	B	36	TRP	17
1	D	94	MET	12
1	D	70	GLU	12
1	A	16	ILE	10
1	C	68	LEU	10
1	C	34	LYS	10

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Mol	Chain	Res	Type	Models (Total)
1	D	36	TRP	10
1	D	68	LEU	10
1	B	112	GLU	10
1	D	90	GLU	9
1	B	68	LEU	9
1	D	16	ILE	8
1	B	60	LEU	8
1	D	60	LEU	8
1	B	13	ILE	8
1	A	89	ILE	7
1	C	89	ILE	7
1	D	128	LEU	6
1	C	112	GLU	6
1	B	98	LEU	5
1	B	104	ASN	5
1	D	37	GLN	5
1	C	13	ILE	5
1	C	127	ASN	4
1	C	128	LEU	4
1	D	34	LYS	4
1	B	12	GLN	4
1	B	37	GLN	4
1	C	94	MET	4
1	A	132	ASN	4
1	A	90	GLU	4
1	C	98	LEU	4
1	C	12	GLN	4
1	A	27	ASN	4
1	A	94	MET	3
1	C	104	ASN	3
1	B	89	ILE	3
1	B	127	ASN	3
1	B	128	LEU	3
1	D	126	LEU	3
1	B	125	GLN	3
1	A	60	LEU	3
1	A	70	GLU	3
1	D	93	GLN	3
1	C	93	GLN	2
1	A	31	VAL	2
1	D	27	ASN	2
1	D	42	LEU	2

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Mol	Chain	Res	Type	Models (Total)
1	B	94	MET	2
1	A	128	LEU	2
1	A	14	GLN	2
1	C	42	LEU	2
1	A	86	ILE	2
1	A	68	LEU	2
1	C	31	VAL	2
1	D	98	LEU	2
1	D	76	CYS	1
1	B	126	LEU	1
1	C	125	GLN	1
1	A	37	GLN	1
1	B	113	CYS	1
1	D	125	GLN	1
1	B	42	LEU	1
1	D	15	ARG	1
1	B	41	LYS	1
1	C	33	GLN	1
1	C	133	PHE	1
1	C	38	PRO	1
1	A	44	LEU	1
1	B	29	PRO	1
1	D	89	ILE	1
1	A	30	HIS	1
1	B	132	ASN	1
1	C	37	GLN	1
1	A	43	ASP	1
1	A	56	TYR	1
1	A	79	GLN	1
1	B	70	GLU	1
1	D	39	GLU	1
1	C	70	GLU	1
1	C	111	ARG	1
1	A	39	GLU	1
1	B	11	PHE	1
1	B	44	LEU	1
1	B	71	GLU	1
1	C	60	LEU	1
1	A	130	PRO	1
1	C	86	ILE	1
1	A	42	LEU	1
1	C	77	GLU	1

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Mol	Chain	Res	Type	Models (Total)
1	C	41	LYS	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation i

The completeness of assignment taking into account all chemical shift lists is 53% for the well-defined parts and 49% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_1*

7.1.1 Bookkeeping i

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

Total number of shifts	1046
Number of shifts mapped to atoms	1046
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing i

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	139	0.25 ± 0.12	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	128	0.85 ± 0.15	Should be checked
$^{13}\text{C}'$	137	0.29 ± 0.14	None needed (< 0.5 ppm)
^{15}N	133	-1.14 ± 0.23	Should be applied

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 13%, i.e. 893 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	459/2467 (19%)	112/998 (11%)	235/998 (24%)	112/471 (24%)
Sidechain	369/3626 (10%)	204/2375 (9%)	165/1139 (14%)	0/112 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	65/576 (11%)	33/280 (12%)	31/276 (11%)	1/20 (5%)
Overall	893/6669 (13%)	349/3653 (10%)	431/2413 (18%)	113/603 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1046 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	542/3856 (14%)	133/1564 (9%)	276/1560 (18%)	133/732 (18%)
Sidechain	427/5612 (8%)	234/3656 (6%)	193/1768 (11%)	0/188 (0%)
Aromatic	77/840 (9%)	39/408 (10%)	37/392 (9%)	1/40 (2%)
Overall	1046/10308 (10%)	406/5628 (7%)	506/3720 (14%)	134/960 (14%)

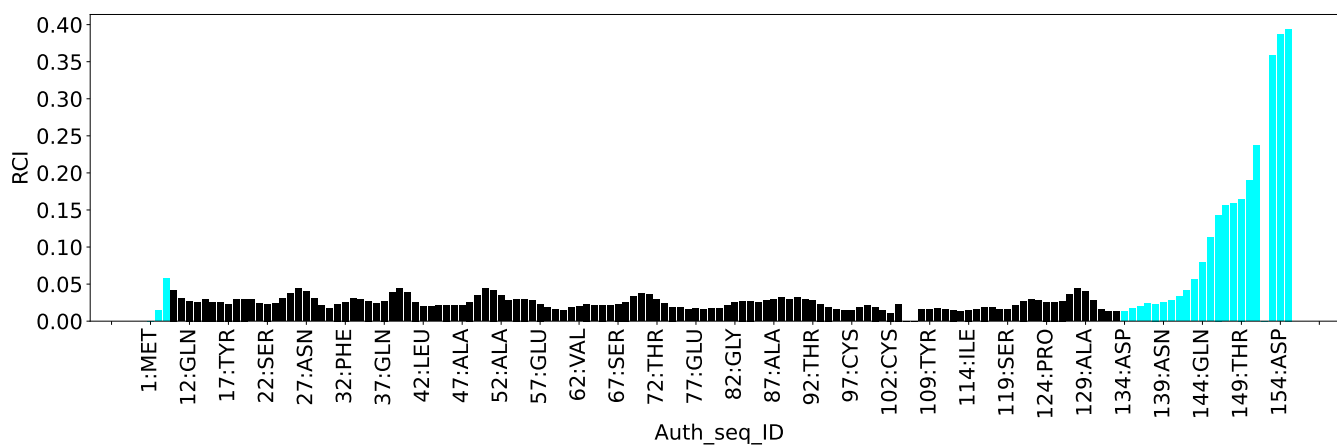
7.1.4 Statistically unusual chemical shifts [i](#)

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:



7.2 Chemical shift list 2

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_2*

7.2.1 Bookkeeping [i](#)

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

Total number of shifts	1044
Number of shifts mapped to atoms	1044
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.2.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	140	0.28 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	126	0.79 ± 0.23	Should be checked
$^{13}\text{C}'$	135	0.26 ± 0.08	None needed (< 0.5 ppm)
^{15}N	132	-1.09 ± 0.30	Should be applied

7.2.3 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 13%, i.e. 883 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	452/2467 (18%)	110/998 (11%)	232/998 (23%)	110/471 (23%)
Sidechain	366/3626 (10%)	204/2375 (9%)	162/1139 (14%)	0/112 (0%)
Aromatic	65/576 (11%)	33/280 (12%)	31/276 (11%)	1/20 (5%)
Overall	883/6669 (13%)	347/3653 (9%)	425/2413 (18%)	111/603 (18%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1044 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	539/3856 (14%)	132/1564 (8%)	275/1560 (18%)	132/732 (18%)
Sidechain	428/5612 (8%)	237/3656 (6%)	191/1768 (11%)	0/188 (0%)
Aromatic	77/840 (9%)	39/408 (10%)	37/392 (9%)	1/40 (2%)
Overall	1044/10308 (10%)	408/5628 (7%)	503/3720 (14%)	133/960 (14%)

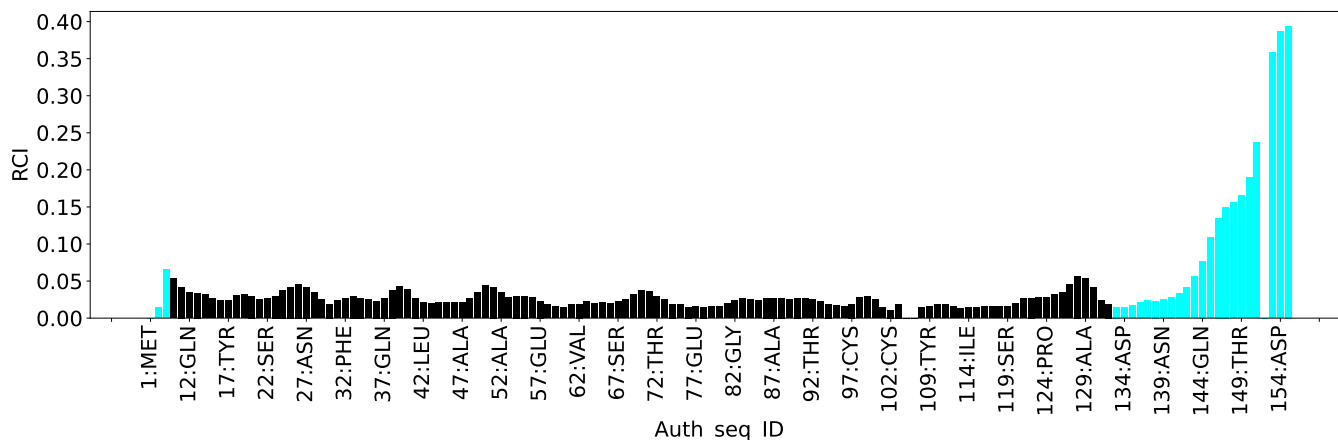
7.2.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.2.5 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 B:



7.3 Chemical shift list 3

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_3*

7.3.1 Bookkeeping [i](#)

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

Total number of shifts	1044
Number of shifts mapped to atoms	1044
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.3.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	140	0.27 ± 0.08	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	126	0.78 ± 0.09	Should be checked
$^{13}\text{C}'$	135	0.26 ± 0.08	None needed (< 0.5 ppm)
^{15}N	132	-1.09 ± 0.17	Should be applied

7.3.3 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 13%, i.e. 897 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	460/2467 (19%)	112/998 (11%)	236/998 (24%)	112/471 (24%)
Sidechain	372/3626 (10%)	207/2375 (9%)	165/1139 (14%)	0/112 (0%)
Aromatic	65/576 (11%)	33/280 (12%)	31/276 (11%)	1/20 (5%)
Overall	897/6669 (13%)	352/3653 (10%)	432/2413 (18%)	113/603 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1044 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	539/3856 (14%)	132/1564 (8%)	275/1560 (18%)	132/732 (18%)
Sidechain	428/5612 (8%)	237/3656 (6%)	191/1768 (11%)	0/188 (0%)
Aromatic	77/840 (9%)	39/408 (10%)	37/392 (9%)	1/40 (2%)
Overall	1044/10308 (10%)	408/5628 (7%)	503/3720 (14%)	133/960 (14%)

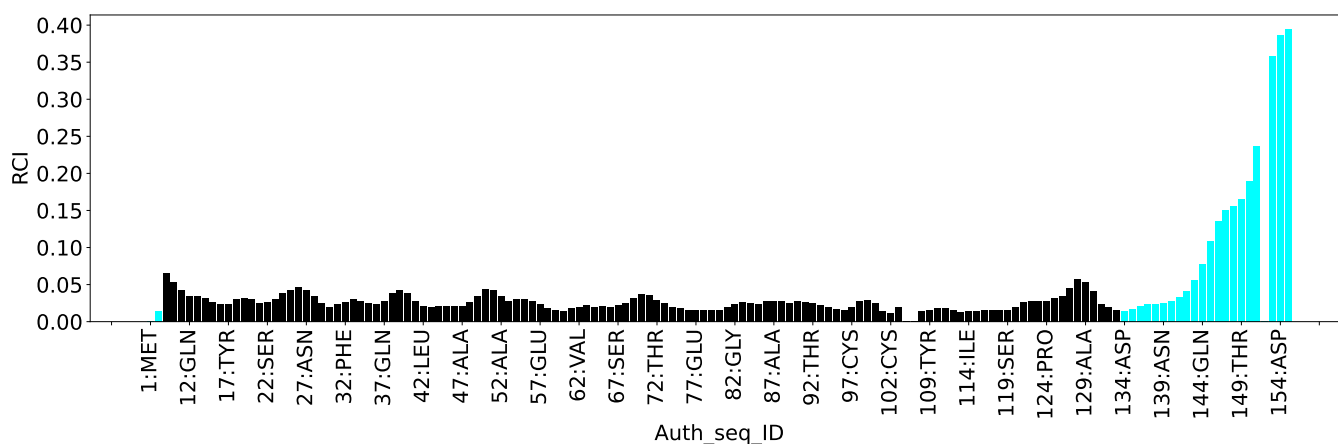
7.3.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.3.5 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 C:



7.4 Chemical shift list 4

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_list_4*

7.4.1 Bookkeeping [i](#)

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

Total number of shifts	1046
Number of shifts mapped to atoms	1046
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.4.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	139	0.25 ± 0.11	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	128	0.86 ± 0.14	Should be checked
$^{13}\text{C}'$	137	0.28 ± 0.13	None needed (< 0.5 ppm)
^{15}N	133	-1.15 ± 0.30	Should be applied

7.4.3 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 13%, i.e. 888 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	455/2467 (18%)	111/998 (11%)	233/998 (23%)	111/471 (24%)
Sidechain	368/3626 (10%)	204/2375 (9%)	164/1139 (14%)	0/112 (0%)
Aromatic	65/576 (11%)	33/280 (12%)	31/276 (11%)	1/20 (5%)
Overall	888/6669 (13%)	348/3653 (10%)	428/2413 (18%)	112/603 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 10%, i.e. 1046 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	542/3856 (14%)	133/1564 (9%)	276/1560 (18%)	133/732 (18%)
Sidechain	427/5612 (8%)	234/3656 (6%)	193/1768 (11%)	0/188 (0%)
Aromatic	77/840 (9%)	39/408 (10%)	37/392 (9%)	1/40 (2%)
Overall	1046/10308 (10%)	406/5628 (7%)	506/3720 (14%)	134/960 (14%)

7.4.4 Statistically unusual chemical shifts [i](#)

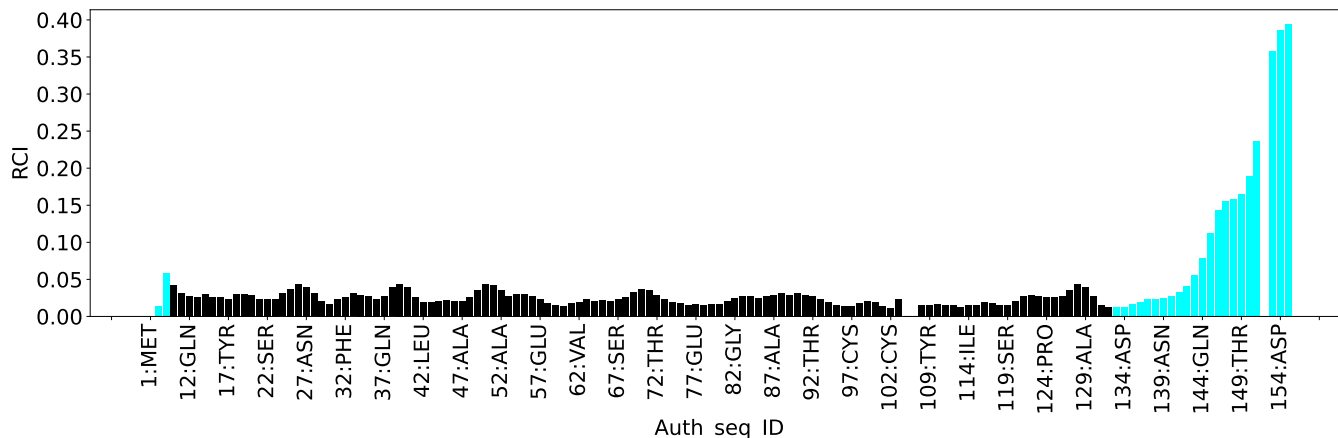
There are no statistically unusual chemical shifts.

7.4.5 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 D:



7.5 Chemical shift list 5

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_5*

7.5.1 Bookkeeping [i](#)

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

Total number of shifts	223
Number of shifts mapped to atoms	223
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.5.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	36	-0.32 ± 0.21	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	33	0.61 ± 0.29	Should be checked
$^{13}\text{C}'$	0	—	None (insufficient data)

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Nucleus	# values	Correction \pm precision, ppm	Suggested action
¹⁵ N	32	-0.40 \pm 0.47	None needed (< 0.5 ppm)

7.5.3 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 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	0/2467 (0%)	0/998 (0%)	0/998 (0%)	0/471 (0%)
Sidechain	0/3626 (0%)	0/2375 (0%)	0/1139 (0%)	0/112 (0%)
Aromatic	0/576 (0%)	0/280 (0%)	0/276 (0%)	0/20 (0%)
Overall	0/6669 (0%)	0/3653 (0%)	0/2413 (0%)	0/603 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 222 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	99/3856 (3%)	31/1564 (2%)	36/1560 (2%)	32/732 (4%)
Sidechain	113/5612 (2%)	63/3656 (2%)	50/1768 (3%)	0/188 (0%)
Aromatic	10/840 (1%)	9/408 (2%)	0/392 (0%)	1/40 (2%)
Overall	222/10308 (2%)	103/5628 (2%)	86/3720 (2%)	33/960 (3%)

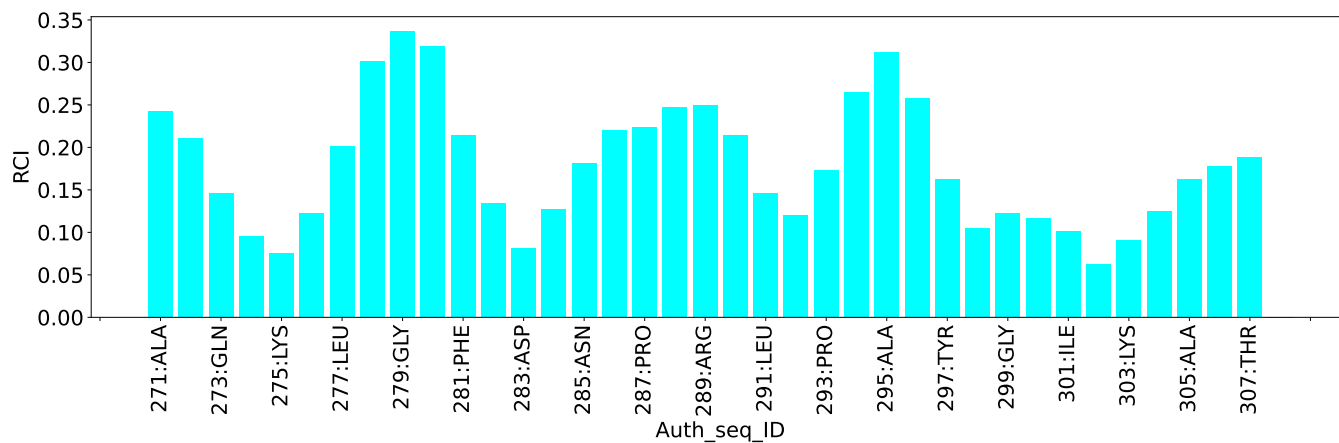
7.5.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.5.5 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 E:



7.6 Chemical shift list 6

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_6*

7.6.1 Bookkeeping [i](#)

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

Total number of shifts	223
Number of shifts mapped to atoms	223
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.6.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	36	-0.32 ± 0.30	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	33	0.62 ± 0.34	None needed (imprecise)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	32	-0.41 ± 0.49	None needed (< 0.5 ppm)

7.6.3 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 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	0/2467 (0%)	0/998 (0%)	0/998 (0%)	0/471 (0%)
Sidechain	0/3626 (0%)	0/2375 (0%)	0/1139 (0%)	0/112 (0%)
Aromatic	0/576 (0%)	0/280 (0%)	0/276 (0%)	0/20 (0%)
Overall	0/6669 (0%)	0/3653 (0%)	0/2413 (0%)	0/603 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 222 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	99/3856 (3%)	31/1564 (2%)	36/1560 (2%)	32/732 (4%)
Sidechain	113/5612 (2%)	63/3656 (2%)	50/1768 (3%)	0/188 (0%)
Aromatic	10/840 (1%)	9/408 (2%)	0/392 (0%)	1/40 (2%)
Overall	222/10308 (2%)	103/5628 (2%)	86/3720 (2%)	33/960 (3%)

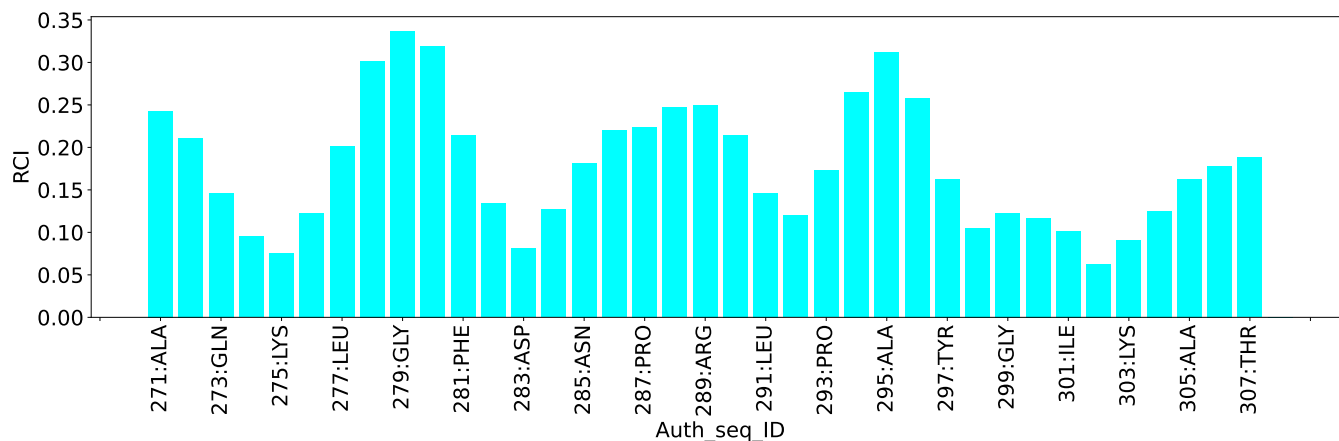
7.6.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.6.5 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 F:



7.7 Chemical shift list 7

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_7*

7.7.1 Bookkeeping [i](#)

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

Total number of shifts	223
Number of shifts mapped to atoms	223
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.7.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	36	-0.32 ± 0.26	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	33	0.60 ± 0.26	Should be checked
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	32	-0.41 ± 0.52	None needed (< 0.5 ppm)

7.7.3 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 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	0/2467 (0%)	0/998 (0%)	0/998 (0%)	0/471 (0%)
Sidechain	0/3626 (0%)	0/2375 (0%)	0/1139 (0%)	0/112 (0%)
Aromatic	0/576 (0%)	0/280 (0%)	0/276 (0%)	0/20 (0%)
Overall	0/6669 (0%)	0/3653 (0%)	0/2413 (0%)	0/603 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 222 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	99/3856 (3%)	31/1564 (2%)	36/1560 (2%)	32/732 (4%)
Sidechain	113/5612 (2%)	63/3656 (2%)	50/1768 (3%)	0/188 (0%)
Aromatic	10/840 (1%)	9/408 (2%)	0/392 (0%)	1/40 (2%)
Overall	222/10308 (2%)	103/5628 (2%)	86/3720 (2%)	33/960 (3%)

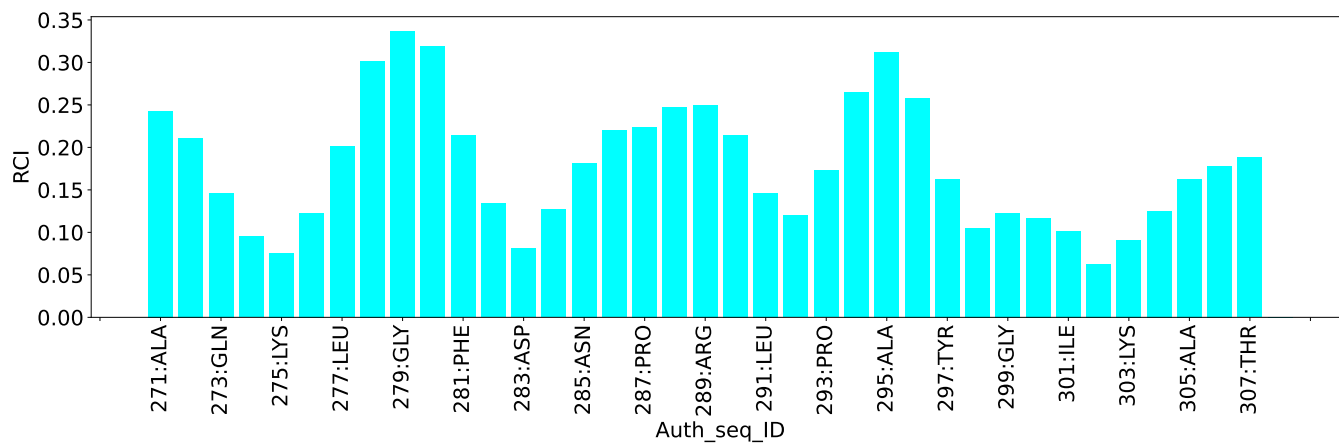
7.7.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.7.5 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 G:



7.8 Chemical shift list 8

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shift_8*

7.8.1 Bookkeeping [i](#)

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

Total number of shifts	223
Number of shifts mapped to atoms	223
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.8.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	36	-0.33 ± 0.32	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	33	0.60 ± 0.39	None needed (imprecise)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	32	-0.41 ± 0.54	None needed (< 0.5 ppm)

7.8.3 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 0%, i.e. 0 atoms were assigned a chemical shift out of a possible 6669. 0 out of 80 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	0/2467 (0%)	0/998 (0%)	0/998 (0%)	0/471 (0%)
Sidechain	0/3626 (0%)	0/2375 (0%)	0/1139 (0%)	0/112 (0%)
Aromatic	0/576 (0%)	0/280 (0%)	0/276 (0%)	0/20 (0%)
Overall	0/6669 (0%)	0/3653 (0%)	0/2413 (0%)	0/603 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 2%, i.e. 222 atoms were assigned a chemical shift out of a possible 10308. 0 out of 112 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	99/3856 (3%)	31/1564 (2%)	36/1560 (2%)	32/732 (4%)
Sidechain	113/5612 (2%)	63/3656 (2%)	50/1768 (3%)	0/188 (0%)
Aromatic	10/840 (1%)	9/408 (2%)	0/392 (0%)	1/40 (2%)
Overall	222/10308 (2%)	103/5628 (2%)	86/3720 (2%)	33/960 (3%)

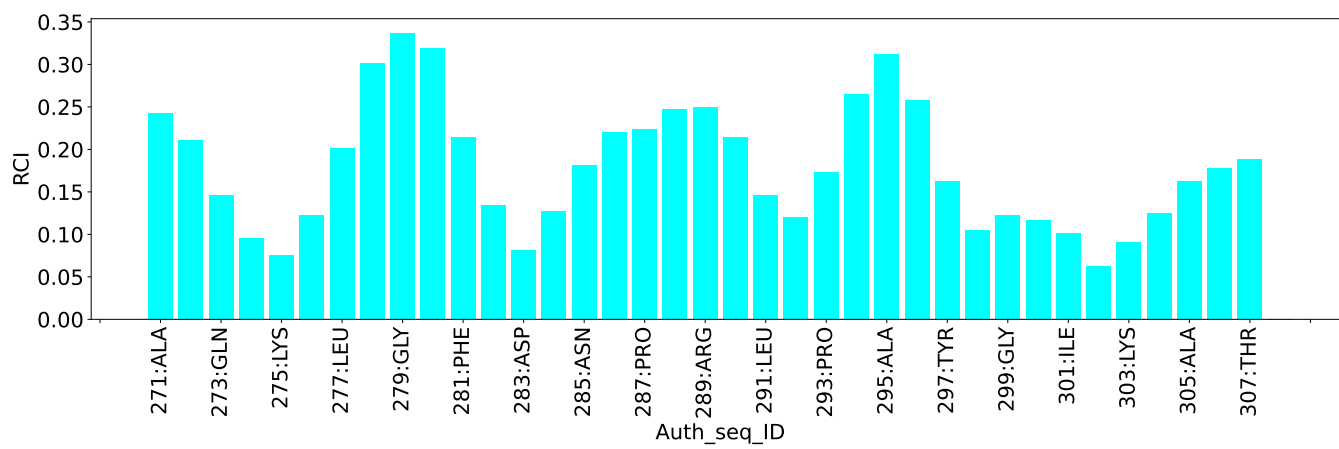
7.8.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.8.5 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 H:



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	1710
Intra-residue ($ i-j =0$)	0
Sequential ($ i-j =1$)	673
Medium range ($ i-j >1$ and $ i-j <5$)	360
Long range ($ i-j \geq 5$)	428
Inter-chain	245
Hydrogen bond restraints	4
Disulfide bond restraints	0
Total dihedral-angle restraints	1012
Number of unmapped restraints	0
Number of restraints per residue	3.5
Number of long range restraints per residue ¹	0.5

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)	67.9	0.2
0.2-0.5 (Medium)	80.5	0.5
>0.5 (Large)	65.6	5.82

8.2.2 Average number of dihedral-angle violations per model

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)	105.8	9.9
10.0-20.0 (Medium)	0.3	12.0
>20.0 (Large)	None	None

9 Distance violation analysis

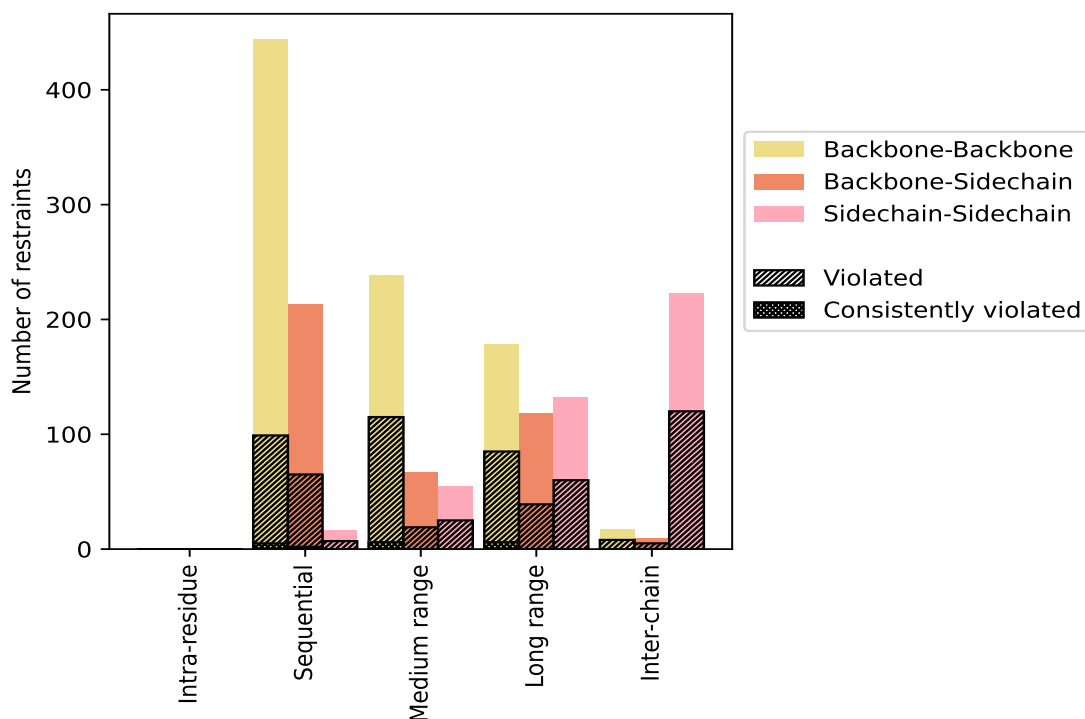
9.1 Summary of distance violations

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 ($i-j =0$)	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
Sequential ($i-j =1$)	673	39.4	171	25.4	10.0	7	1.0	0.4
Backbone-Backbone	444	26.0	99	22.3	5.8	5	1.1	0.3
Backbone-Sidechain	213	12.5	65	30.5	3.8	2	0.9	0.1
Sidechain-Sidechain	16	0.9	7	43.8	0.4	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	360	21.1	159	44.2	9.3	6	1.7	0.4
Backbone-Backbone	238	13.9	115	48.3	6.7	6	2.5	0.4
Backbone-Sidechain	67	3.9	19	28.4	1.1	0	0.0	0.0
Sidechain-Sidechain	55	3.2	25	45.5	1.5	0	0.0	0.0
Long range ($i-j \geq 5$)	428	25.0	184	43.0	10.8	6	1.4	0.4
Backbone-Backbone	178	10.4	85	47.8	5.0	6	3.4	0.4
Backbone-Sidechain	118	6.9	39	33.1	2.3	0	0.0	0.0
Sidechain-Sidechain	132	7.7	60	45.5	3.5	0	0.0	0.0
Inter-chain	245	14.3	129	52.7	7.5	0	0.0	0.0
Backbone-Backbone	17	1.0	8	47.1	0.5	0	0.0	0.0
Backbone-Sidechain	5	0.3	1	20.0	0.1	0	0.0	0.0
Sidechain-Sidechain	223	13.0	120	53.8	7.0	0	0.0	0.0
Hydrogen bond	4	0.2	4	100.0	0.2	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1710	100.0	647	37.8	37.8	19	1.1	1.1
Backbone-Backbone	877	51.3	307	35.0	18.0	17	1.9	1.0
Backbone-Sidechain	407	23.8	128	31.4	7.5	2	0.5	0.1
Sidechain-Sidechain	426	24.9	212	49.8	12.4	0	0.0	0.0

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

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



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and 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	0	69	59	63	29	220	0.45	3.73	0.46	0.27
2	0	69	60	57	22	208	0.58	4.27	0.67	0.34
3	0	71	62	73	17	223	0.53	3.48	0.55	0.31
4	0	76	45	54	20	195	0.5	4.13	0.53	0.29
5	0	71	50	60	30	211	0.43	2.42	0.39	0.32
6	0	75	63	69	28	235	0.62	5.82	0.8	0.28
7	0	68	54	70	23	215	0.52	3.21	0.56	0.3
8	0	64	56	62	31	213	0.45	2.43	0.43	0.29
9	0	75	62	54	26	217	0.47	3.27	0.49	0.29
10	0	68	55	66	15	204	0.46	3.06	0.45	0.3
11	0	59	31	38	31	159	0.3	1.29	0.2	0.23

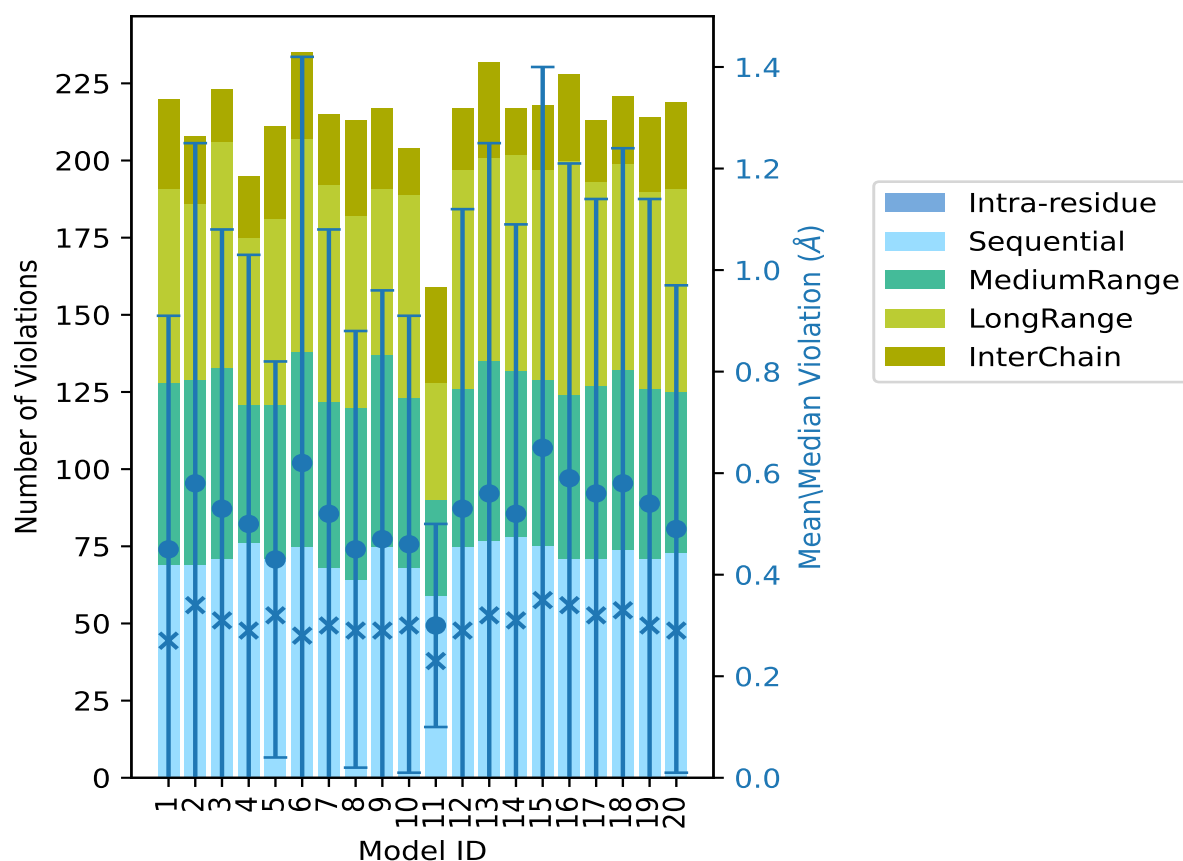
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵					
12	0	75	51	71	20	217	0.53	3.4	0.59	0.29
13	0	77	58	66	31	232	0.56	5.68	0.69	0.32
14	0	78	54	70	15	217	0.52	3.75	0.57	0.31
15	0	75	54	68	21	218	0.65	4.48	0.75	0.35
16	0	71	53	76	28	228	0.59	3.32	0.62	0.34
17	0	71	56	66	20	213	0.56	3.8	0.58	0.32
18	0	74	58	67	22	221	0.58	5.38	0.66	0.33
19	0	71	55	64	24	214	0.54	3.73	0.6	0.3
20	0	73	52	66	28	219	0.49	3.02	0.48	0.29

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

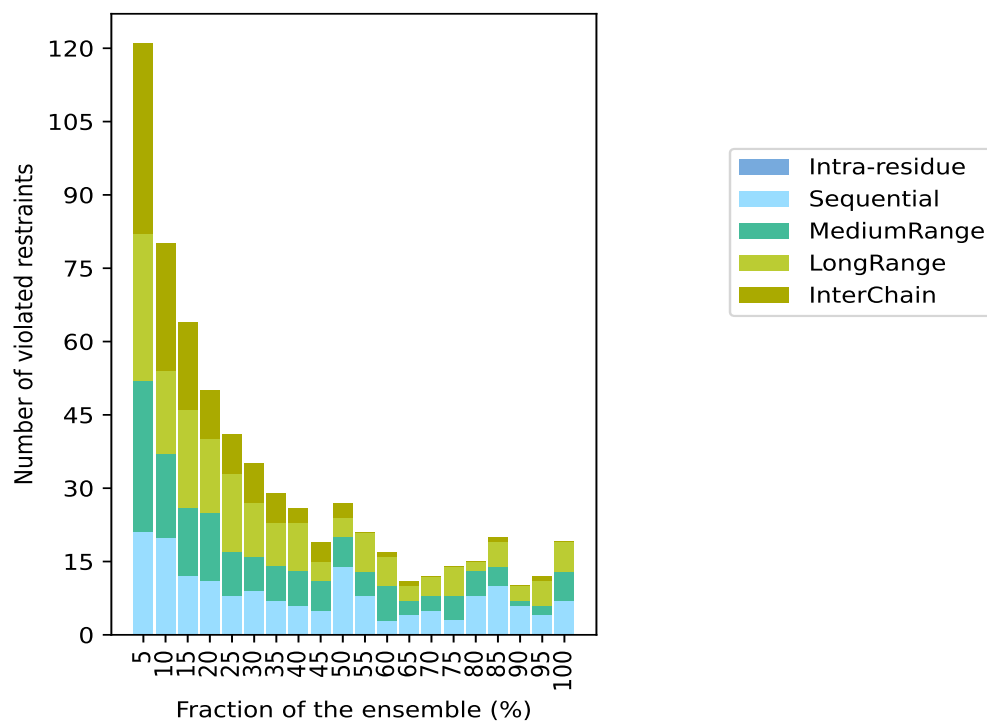
9.3 Distance violation statistics for the ensemble

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, 1063(IR:0, SQ:502, MR:201, LR:244, IC:116) 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	%
0	21	31	30	39	121	1	5.0
0	20	17	17	26	80	2	10.0
0	12	14	20	18	64	3	15.0
0	11	14	15	10	50	4	20.0
0	8	9	16	8	41	5	25.0
0	9	7	11	8	35	6	30.0
0	7	7	9	6	29	7	35.0
0	6	7	10	3	26	8	40.0
0	5	6	4	4	19	9	45.0
0	14	6	4	3	27	10	50.0
0	8	5	8	0	21	11	55.0
0	3	7	6	1	17	12	60.0
0	4	3	3	1	11	13	65.0
0	5	3	4	0	12	14	70.0
0	3	5	6	0	14	15	75.0
0	8	5	2	0	15	16	80.0
0	10	4	5	1	20	17	85.0
0	6	1	3	0	10	18	90.0
0	4	2	5	1	12	19	95.0
0	7	6	6	0	19	20	100.0

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

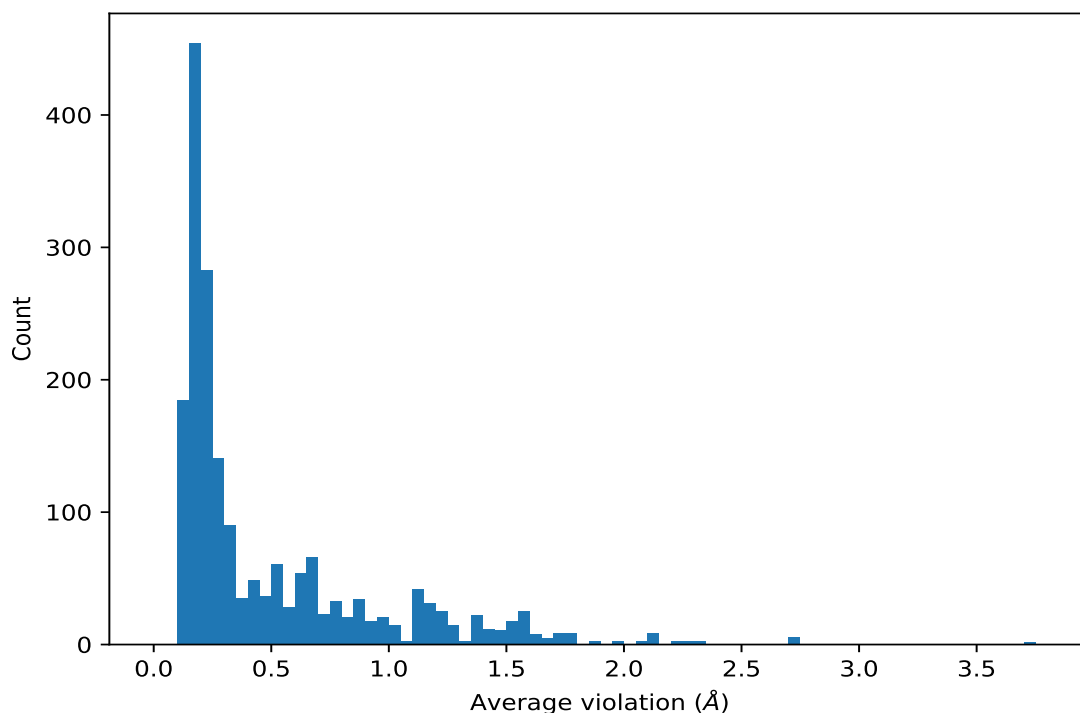
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	20	1.58	0.36	1.54
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	20	0.94	0.24	0.9
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	20	0.92	0.16	0.95
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	20	0.91	0.12	0.91
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	20	0.84	0.21	0.82
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	20	0.74	0.13	0.78
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	20	0.54	0.14	0.54
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	20	0.54	0.11	0.52
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	20	0.54	0.12	0.56
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	20	0.54	0.12	0.56
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	20	0.52	0.19	0.55
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	20	0.48	0.16	0.5
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	20	0.43	0.05	0.44
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	20	0.43	0.1	0.44
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	20	0.43	0.1	0.44
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	20	0.4	0.16	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	20	0.36	0.14	0.36
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	20	0.34	0.09	0.34
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	20	0.29	0.07	0.32
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	20	0.29	0.06	0.29
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	20	0.26	0.12	0.24
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	19	1.26	0.57	1.24
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	19	1.26	0.57	1.24
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	19	1.26	0.57	1.24
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	19	0.93	0.03	0.93
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	19	0.93	0.03	0.93
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	19	0.93	0.03	0.93
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	19	0.61	0.23	0.64
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	19	0.5	0.24	0.5
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	19	0.41	0.12	0.38
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	19	0.36	0.14	0.36
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	19	0.35	0.07	0.35
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	19	0.34	0.14	0.33
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	19	0.34	0.08	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	19	0.27	0.13	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	19	0.27	0.13	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	19	0.27	0.13	0.24
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	19	0.21	0.06	0.21
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	19	0.17	0.03	0.17
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	18	1.44	0.25	1.4
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	18	1.44	0.25	1.4
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	18	1.44	0.25	1.4
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	18	0.68	0.06	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	18	0.68	0.06	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	18	0.68	0.06	0.67
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	18	0.59	0.07	0.6
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	18	0.59	0.07	0.6
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	18	0.59	0.07	0.6
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	18	0.5	0.22	0.48
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	18	0.5	0.22	0.48
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	18	0.5	0.22	0.48
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	18	0.44	0.22	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	18	0.44	0.22	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	18	0.44	0.22	0.47
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	18	0.44	0.16	0.48
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	18	0.44	0.16	0.48
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	18	0.35	0.12	0.35
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	18	0.31	0.15	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	18	0.29	0.07	0.29
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	18	0.27	0.08	0.29
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	17	1.59	0.81	1.68
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	17	1.59	0.81	1.68
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	17	1.59	0.81	1.68
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	17	1.24	0.38	1.25
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	17	1.24	0.38	1.25
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	17	1.24	0.38	1.25
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	17	1.12	0.37	1.02
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	17	1.12	0.37	1.02
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	17	1.12	0.37	1.02
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	17	0.69	0.2	0.75
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	17	0.69	0.2	0.75
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	17	0.69	0.2	0.75
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	17	0.53	0.23	0.59
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	17	0.46	0.2	0.44
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	17	0.46	0.2	0.44
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	17	0.46	0.2	0.44
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	17	0.44	0.23	0.35
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	17	0.41	0.2	0.39
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	17	0.41	0.19	0.4
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	17	0.41	0.17	0.4
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	17	0.36	0.16	0.35
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	17	0.36	0.16	0.35
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	17	0.3	0.09	0.3
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	17	0.23	0.06	0.24
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	17	0.23	0.09	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	17	0.23	0.09	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	17	0.23	0.09	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	17	0.23	0.09	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	17	0.23	0.09	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	17	0.23	0.09	0.2
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	17	0.23	0.06	0.23
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	17	0.22	0.04	0.22
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	17	0.22	0.04	0.23
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	17	0.22	0.04	0.23
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	17	0.22	0.04	0.23
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	17	0.21	0.06	0.19
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	17	0.16	0.03	0.15
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	17	0.16	0.02	0.16
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	16	1.11	0.38	1.13
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	16	1.11	0.38	1.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	16	1.11	0.38	1.13
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	16	0.77	0.26	0.82
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	16	0.77	0.26	0.82
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	16	0.77	0.26	0.82
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	16	0.55	0.41	0.4
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	16	0.53	0.22	0.56
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	16	0.52	0.17	0.53
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	16	0.44	0.23	0.43
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	16	0.37	0.14	0.38
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	16	0.37	0.17	0.33
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	16	0.37	0.17	0.33
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	16	0.36	0.18	0.28
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	16	0.29	0.15	0.24
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	16	0.27	0.13	0.22
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	16	0.24	0.07	0.26
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	16	0.21	0.08	0.19
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	16	0.19	0.05	0.18
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	16	0.14	0.03	0.14
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	15	2.73	0.98	3.14
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	15	2.73	0.98	3.14
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	15	2.73	0.98	3.14
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	15	2.73	0.98	3.14
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	15	2.73	0.98	3.14
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	15	2.73	0.98	3.14
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	15	2.12	1.36	2.4
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	15	2.12	1.36	2.4
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	15	1.4	0.67	1.21
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	15	1.4	0.67	1.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	15	0.4	0.24	0.36
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	15	0.32	0.14	0.32
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	15	0.32	0.14	0.32
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	15	0.32	0.17	0.3
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	15	0.31	0.14	0.29
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	15	0.3	0.11	0.31
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	15	0.29	0.11	0.26
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	15	0.25	0.07	0.26
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	15	0.24	0.1	0.24
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	15	0.23	0.07	0.21
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	15	0.21	0.09	0.18
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	15	0.2	0.05	0.2
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	14	2.25	1.95	1.67
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	14	2.25	1.95	1.67
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	14	2.25	1.95	1.67
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	14	1.78	0.29	1.78
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	14	1.78	0.29	1.78
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	14	1.78	0.29	1.78
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	14	1.78	0.63	2.0
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	14	1.78	0.63	2.0
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	14	1.78	0.63	2.0
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	14	1.78	0.63	2.0
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	14	1.78	0.63	2.0
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	14	1.78	0.63	2.0
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	14	1.48	0.64	1.74
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	14	1.48	0.64	1.74
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	14	1.48	0.64	1.74
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	14	1.35	0.75	1.27
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	14	1.35	0.75	1.27
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	14	1.29	0.73	1.04
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	14	1.29	0.73	1.04
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	14	1.29	0.73	1.04
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	14	0.45	0.33	0.31
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	14	0.32	0.18	0.29
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	14	0.29	0.06	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	14	0.24	0.1	0.2
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	14	0.16	0.05	0.15
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	14	0.15	0.04	0.14
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	13	1.67	0.65	1.84
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	13	1.37	0.66	1.12
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	13	0.73	0.53	0.52
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	13	0.73	0.53	0.52
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	13	0.73	0.53	0.52
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	13	0.73	0.53	0.52
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	13	0.73	0.53	0.52
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	13	0.73	0.53	0.52
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	13	0.43	0.23	0.38
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	13	0.41	0.16	0.44
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	13	0.29	0.09	0.3
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	13	0.28	0.1	0.26
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	13	0.28	0.1	0.26
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	13	0.28	0.1	0.26
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	13	0.28	0.1	0.26
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	13	0.28	0.1	0.26
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	13	0.28	0.1	0.26
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	13	0.28	0.08	0.3
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	13	0.28	0.08	0.3
(1,640)	1:B:92:THR:H	1:B:94:MET:H	13	0.27	0.13	0.27
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	13	0.26	0.11	0.27
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	13	0.15	0.03	0.15
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	12	1.5	1.28	1.54
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	12	1.5	1.28	1.54
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	12	1.49	0.81	1.57
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	12	1.49	0.81	1.57
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	12	1.49	0.81	1.57
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	12	1.21	0.45	1.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	12	1.21	0.45	1.17
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	12	1.21	0.45	1.17
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	12	1.15	0.41	1.3
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	12	1.01	0.65	1.1
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	12	1.01	0.65	1.1
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	12	1.01	0.65	1.1
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	12	0.95	0.61	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	12	0.95	0.61	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	12	0.95	0.61	0.77
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	12	0.9	0.37	0.88
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	12	0.9	0.37	0.88
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	12	0.85	0.35	0.93
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	12	0.85	0.35	0.93
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	12	0.74	0.17	0.78
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	12	0.33	0.17	0.28
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	12	0.33	0.17	0.28
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	12	0.28	0.09	0.27
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	12	0.26	0.13	0.22
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	12	0.23	0.09	0.18
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	12	0.22	0.06	0.24
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	12	0.22	0.06	0.24
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	12	0.22	0.06	0.24
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	12	0.22	0.06	0.24
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	12	0.22	0.06	0.24
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	12	0.22	0.06	0.24
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	12	0.22	0.06	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	12	0.18	0.05	0.16
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	12	0.17	0.03	0.16
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	11	1.69	0.65	1.63
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	11	1.69	0.65	1.63
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	11	1.69	0.65	1.63
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	11	1.6	0.82	1.6
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	11	1.6	0.82	1.6
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	11	1.6	0.82	1.6
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	11	1.57	0.97	0.98
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	11	1.57	0.97	0.98
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	11	1.57	0.97	0.98
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	11	1.32	0.74	0.87
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	11	1.32	0.74	0.87
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	11	1.32	0.74	0.87
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	11	1.2	0.63	1.25
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	11	1.2	0.63	1.25
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	11	1.2	0.63	1.25
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	11	1.19	0.38	1.21
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	11	1.19	0.38	1.21
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	11	1.11	0.52	1.2
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	11	1.11	0.52	1.2
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	11	1.11	0.52	1.2
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	11	0.92	0.54	0.82
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	11	0.92	0.54	0.82
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	11	0.92	0.54	0.82
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	11	0.86	0.92	0.31
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	11	0.86	0.92	0.31
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	11	0.86	0.92	0.31
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	11	0.78	0.29	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	11	0.78	0.29	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	11	0.78	0.29	0.72
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	11	0.58	0.2	0.67
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	11	0.58	0.2	0.67
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	11	0.58	0.2	0.67
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	11	0.52	0.3	0.5
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	11	0.52	0.3	0.5
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	11	0.52	0.2	0.6
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	11	0.52	0.2	0.6
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	11	0.52	0.2	0.6
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	11	0.48	0.12	0.5
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	11	0.48	0.12	0.5
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	11	0.44	0.53	0.22
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	11	0.44	0.53	0.22
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	11	0.44	0.53	0.22
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	11	0.34	0.2	0.31
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	11	0.28	0.08	0.3
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	11	0.26	0.11	0.23
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	11	0.2	0.05	0.22
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	11	0.16	0.03	0.16
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	11	0.15	0.04	0.14
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	11	0.15	0.04	0.14
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	10	1.71	1.21	1.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	10	1.71	1.21	1.52
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	10	1.71	1.21	1.52
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	10	1.46	0.65	1.59
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	10	1.46	0.65	1.59
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	10	1.46	0.65	1.59
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	10	1.22	0.79	1.08
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	10	1.22	0.79	1.08
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	10	1.16	0.67	0.9
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	10	1.16	0.67	0.9
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	10	1.15	0.51	1.03
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	10	1.15	0.51	1.03
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	10	1.15	0.51	1.03
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	10	1.1	0.57	0.88
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	10	1.1	0.57	0.88
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	10	0.98	0.79	0.55
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	10	0.98	0.79	0.55
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	10	0.98	0.79	0.55
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	10	0.98	0.47	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	10	0.98	0.47	0.9
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	10	0.98	0.47	0.9
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	10	0.82	0.48	0.7
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	10	0.82	0.5	0.89
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	10	0.67	0.27	0.76
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	10	0.67	0.27	0.76
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	10	0.57	0.41	0.45
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	10	0.54	0.26	0.49
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	10	0.54	0.26	0.49
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	10	0.54	0.26	0.49
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	10	0.54	0.26	0.49
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	10	0.46	0.19	0.46
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	10	0.45	0.39	0.36
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	10	0.45	0.39	0.36
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	10	0.42	0.19	0.38
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	10	0.42	0.19	0.38
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	10	0.34	0.08	0.34
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	10	0.34	0.08	0.34
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	10	0.34	0.08	0.34
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	10	0.34	0.08	0.34
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	10	0.34	0.08	0.34
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	10	0.34	0.08	0.34
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	10	0.29	0.15	0.26
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	10	0.27	0.07	0.26
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	10	0.26	0.1	0.22
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	10	0.24	0.17	0.18
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	10	0.21	0.06	0.22
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	10	0.21	0.06	0.2
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	10	0.21	0.06	0.19
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	10	0.2	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	10	0.2	0.06	0.18
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	10	0.2	0.06	0.18
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	10	0.2	0.05	0.2
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	10	0.17	0.06	0.15
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	9	1.19	0.58	1.17
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	9	1.19	0.58	1.17
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	9	0.77	0.48	0.67
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	9	0.77	0.48	0.67
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	9	0.77	0.48	0.67
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	9	0.66	0.32	0.61
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	9	0.66	0.32	0.61
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	9	0.66	0.32	0.61
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	9	0.62	0.42	0.54
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	9	0.6	0.29	0.59
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	9	0.6	0.29	0.59
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	9	0.6	0.29	0.59
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	9	0.48	0.19	0.48
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	9	0.48	0.19	0.48
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	9	0.48	0.19	0.48
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	9	0.43	0.31	0.29
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	9	0.29	0.14	0.27
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	9	0.28	0.08	0.3
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	9	0.25	0.12	0.18
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	9	0.24	0.08	0.26
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	9	0.24	0.07	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	9	0.24	0.07	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	9	0.24	0.07	0.22
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	9	0.23	0.09	0.23
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	9	0.2	0.08	0.17
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	9	0.19	0.07	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	9	0.19	0.07	0.16
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	9	0.19	0.07	0.16
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	9	0.19	0.04	0.2
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	9	0.19	0.04	0.2
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	9	0.19	0.04	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	9	0.16	0.04	0.15
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	9	0.16	0.04	0.15
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	9	0.16	0.04	0.14
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	9	0.13	0.03	0.12
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	8	1.68	1.16	1.72
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	8	0.83	0.7	0.57
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	8	0.83	0.7	0.57
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	8	0.82	0.49	0.64
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	8	0.82	0.49	0.64
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	8	0.73	0.22	0.7
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	8	0.73	0.22	0.7
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	8	0.73	0.22	0.7
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	8	0.73	0.22	0.7
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	8	0.73	0.22	0.7
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	8	0.73	0.22	0.7
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	8	0.67	0.3	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	8	0.67	0.3	0.76
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	8	0.67	0.3	0.76
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	8	0.67	0.3	0.76
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	8	0.67	0.3	0.76
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	8	0.67	0.3	0.76
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	8	0.66	0.34	0.67
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	8	0.66	0.34	0.67
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	8	0.66	0.34	0.67
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	8	0.53	0.22	0.5
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	8	0.53	0.22	0.5
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	8	0.53	0.22	0.5
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	8	0.41	0.11	0.44
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	8	0.39	0.11	0.36
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	8	0.32	0.13	0.3
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	8	0.32	0.13	0.3
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	8	0.32	0.13	0.3
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	8	0.32	0.18	0.3
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	8	0.31	0.09	0.29
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	8	0.3	0.16	0.22
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	8	0.3	0.16	0.22
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	8	0.3	0.08	0.29
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	8	0.26	0.07	0.27
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	8	0.26	0.09	0.27
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	8	0.25	0.08	0.26
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	8	0.25	0.08	0.26
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	8	0.25	0.08	0.26
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	8	0.24	0.1	0.24
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	8	0.22	0.1	0.16
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	8	0.22	0.09	0.21
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	8	0.22	0.09	0.21
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	8	0.22	0.09	0.21
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	8	0.22	0.09	0.21
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	8	0.22	0.09	0.21
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	8	0.22	0.09	0.21
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	8	0.21	0.04	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	8	0.19	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	8	0.19	0.06	0.18
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	8	0.19	0.06	0.18
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	8	0.16	0.03	0.16
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	8	0.16	0.03	0.16
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	8	0.16	0.03	0.15
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	8	0.16	0.03	0.15
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	8	0.16	0.03	0.15
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	8	0.15	0.01	0.15
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	7	2.22	1.04	1.61
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	7	2.22	1.04	1.61
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	7	2.22	1.04	1.61
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	7	1.98	1.45	1.07
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	7	1.98	1.45	1.07
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	7	1.98	1.45	1.07
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	7	1.51	0.24	1.49
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	7	1.51	0.24	1.49
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	7	1.51	0.24	1.49
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	7	1.02	0.5	0.99
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	7	1.02	0.5	0.99
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	7	0.71	0.41	0.47
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	7	0.71	0.41	0.47
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	7	0.64	0.27	0.7
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	7	0.64	0.27	0.7
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	7	0.64	0.27	0.7
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	7	0.62	0.47	0.36
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	7	0.43	0.15	0.49
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	7	0.43	0.15	0.49
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	7	0.43	0.15	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	7	0.39	0.15	0.31
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	7	0.36	0.18	0.27
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	7	0.31	0.11	0.3
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	7	0.3	0.04	0.31
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	7	0.29	0.11	0.28
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	7	0.27	0.1	0.29
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	7	0.22	0.09	0.17
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	7	0.22	0.1	0.2
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	7	0.21	0.08	0.26
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	7	0.19	0.08	0.17
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	7	0.19	0.08	0.17
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	7	0.19	0.08	0.15
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	7	0.18	0.03	0.16
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	7	0.18	0.04	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	7	0.18	0.04	0.17
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	7	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	7	0.18	0.05	0.18
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	7	0.18	0.05	0.18
(1,360)	1:A:122:THR:H	1:B:18:THR:H	7	0.17	0.05	0.15
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	7	0.16	0.04	0.14
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	7	0.16	0.04	0.15
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	7	0.16	0.04	0.15
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	7	0.16	0.04	0.15
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	7	0.16	0.04	0.15
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	7	0.16	0.04	0.15
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	7	0.16	0.04	0.15
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	7	0.16	0.03	0.15
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	7	0.16	0.03	0.15
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	7	0.16	0.03	0.15
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	7	0.16	0.06	0.12
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	7	0.16	0.06	0.12
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	7	0.16	0.06	0.12
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	7	0.16	0.06	0.12
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	7	0.16	0.06	0.12
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	7	0.16	0.06	0.12
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	7	0.15	0.04	0.14
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	7	0.15	0.04	0.13
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	7	0.13	0.03	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	7	0.13	0.03	0.11
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	6	1.89	0.14	1.84
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	6	1.89	0.14	1.84
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	6	1.89	0.14	1.84
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	6	1.64	0.34	1.54
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	6	1.64	0.34	1.54
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	6	1.64	0.34	1.54
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	6	1.61	1.39	1.52
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	6	1.61	1.39	1.52
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	6	1.58	0.98	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	6	1.58	0.98	1.42
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	6	1.58	0.98	1.42
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	6	1.58	0.98	1.42
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	6	1.58	0.98	1.42
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	6	1.58	0.98	1.42
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	6	1.27	0.77	1.09
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	6	1.27	0.77	1.09
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	6	1.12	0.63	1.23
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	6	1.12	0.63	1.23
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	6	0.88	0.53	0.84
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	6	0.64	0.44	0.61
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	6	0.64	0.44	0.61
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	6	0.63	0.27	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	6	0.63	0.27	0.67
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	6	0.6	0.18	0.71
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	6	0.6	0.18	0.71
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	6	0.6	0.18	0.71
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	6	0.56	0.38	0.41
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	6	0.56	0.38	0.41
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	6	0.56	0.47	0.38
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	6	0.56	0.47	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	6	0.56	0.47	0.38
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	6	0.53	0.32	0.4
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	6	0.53	0.32	0.4
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	6	0.39	0.13	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	6	0.39	0.13	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	6	0.39	0.13	0.38
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	6	0.36	0.19	0.36
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	6	0.34	0.15	0.34
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	6	0.3	0.17	0.26
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	6	0.3	0.15	0.24
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	6	0.29	0.11	0.23
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	6	0.29	0.11	0.23
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	6	0.29	0.11	0.23
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	6	0.27	0.09	0.28
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	6	0.27	0.08	0.32
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	6	0.25	0.09	0.24
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	6	0.25	0.09	0.24
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	6	0.25	0.09	0.24
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	6	0.25	0.09	0.24
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	6	0.25	0.09	0.24
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	6	0.25	0.09	0.24
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	6	0.25	0.09	0.24
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	6	0.25	0.09	0.24
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	6	0.24	0.18	0.17
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	6	0.24	0.09	0.22
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	6	0.22	0.09	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	6	0.22	0.09	0.2
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	6	0.22	0.09	0.2
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	6	0.22	0.12	0.19
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	6	0.22	0.12	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	6	0.21	0.08	0.18
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	6	0.21	0.08	0.18
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	6	0.21	0.08	0.18
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	6	0.21	0.08	0.18
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	6	0.2	0.05	0.19
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	6	0.2	0.05	0.19
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	6	0.2	0.05	0.19
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	6	0.2	0.05	0.19
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	6	0.2	0.05	0.19
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	6	0.2	0.05	0.19
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	6	0.2	0.08	0.16
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	6	0.2	0.08	0.16
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	6	0.17	0.03	0.16
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	6	0.17	0.04	0.17
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	6	0.16	0.02	0.15
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	6	0.16	0.02	0.15
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	6	0.15	0.03	0.16
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	6	0.12	0.01	0.12
(1,116)	1:A:42:LEU:HD21	1:A:44:LEU:H	5	2.07	0.4	2.04
(1,116)	1:A:42:LEU:HD22	1:A:44:LEU:H	5	2.07	0.4	2.04
(1,116)	1:A:42:LEU:HD23	1:A:44:LEU:H	5	2.07	0.4	2.04
(1,87)	1:A:32:PHE:HD1	1:A:36:TRP:HZ3	5	1.49	1.28	1.15
(1,87)	1:A:32:PHE:HD2	1:A:36:TRP:HZ3	5	1.49	1.28	1.15
(1,872)	1:C:44:LEU:HD11	1:C:63:THR:H	5	0.87	0.33	0.92
(1,872)	1:C:44:LEU:HD12	1:C:63:THR:H	5	0.87	0.33	0.92
(1,872)	1:C:44:LEU:HD13	1:C:63:THR:H	5	0.87	0.33	0.92
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD11	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD12	5	0.68	0.58	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD13	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD11	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD12	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD13	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD11	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD12	5	0.68	0.58	0.39
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD13	5	0.68	0.58	0.39
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD21	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD22	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD23	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD21	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD22	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD23	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD21	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD22	5	0.63	0.42	0.37
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD23	5	0.63	0.42	0.37
(1,475)	1:B:36:TRP:HE3	1:B:37:GLN:H	5	0.62	0.49	0.38
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD21	5	0.5	0.58	0.23
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD22	5	0.5	0.58	0.23
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD23	5	0.5	0.58	0.23
(1,468)	1:B:34:LYS:H	1:B:35:ASP:H	5	0.47	0.28	0.66
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD21	5	0.46	0.21	0.44
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD22	5	0.46	0.21	0.44
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD23	5	0.46	0.21	0.44
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG21	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG22	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG23	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG21	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG22	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG23	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG21	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG22	5	0.4	0.26	0.24
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG23	5	0.4	0.26	0.24
(1,521)	1:B:51:LEU:H	1:B:57:GLU:H	5	0.34	0.15	0.3
(1,1022)	1:C:91:GLY:H	1:C:95:ALA:H	5	0.33	0.14	0.32
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD1	5	0.3	0.12	0.29
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD2	5	0.3	0.12	0.29
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD1	5	0.3	0.12	0.29
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD2	5	0.3	0.12	0.29
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD1	5	0.3	0.12	0.29
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD2	5	0.3	0.12	0.29
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG11	5	0.3	0.15	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG12	5	0.3	0.15	0.29
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG13	5	0.3	0.15	0.29
(1,496)	1:B:43:ASP:H	1:B:65:THR:H	5	0.27	0.06	0.3
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD1	5	0.26	0.07	0.29
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD2	5	0.26	0.07	0.29
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD1	5	0.26	0.07	0.29
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD2	5	0.26	0.07	0.29
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD1	5	0.26	0.07	0.29
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD2	5	0.26	0.07	0.29
(1,1382)	1:D:91:GLY:H	1:D:95:ALA:H	5	0.25	0.11	0.2
(1,357)	1:A:121:GLY:H	1:A:123:PHE:H	5	0.25	0.08	0.26
(1,111)	1:A:41:LYS:H	1:A:65:THR:H	5	0.25	0.1	0.2
(1,1042)	1:C:98:LEU:H	1:C:99:GLY:H	5	0.24	0.04	0.24
(1,840)	1:C:36:TRP:H	1:C:37:GLN:H	5	0.23	0.04	0.23
(1,498)	1:B:44:LEU:H	1:B:63:THR:H	5	0.22	0.04	0.22
(1,303)	1:A:97:CYS:H	1:A:98:LEU:H	5	0.21	0.05	0.22
(1,506)	1:B:45:ASP:H	1:B:63:THR:H	5	0.21	0.08	0.19
(1,285)	1:A:92:THR:H	1:A:94:MET:H	5	0.2	0.14	0.15
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD11	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD12	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD13	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD21	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD22	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD23	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD11	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD12	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD13	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD21	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD22	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD23	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD11	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD12	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD13	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD21	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD22	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD23	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD11	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD12	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD13	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD21	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD22	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD23	5	0.19	0.06	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD11	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD12	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD13	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD21	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD22	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD23	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD11	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD12	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD13	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD21	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD22	5	0.19	0.06	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD23	5	0.19	0.06	0.19
(1,1541)	1:A:128:LEU:HD11	2:E:290:TRP:HE3	5	0.19	0.04	0.2
(1,1541)	1:A:128:LEU:HD12	2:E:290:TRP:HE3	5	0.19	0.04	0.2
(1,1541)	1:A:128:LEU:HD13	2:E:290:TRP:HE3	5	0.19	0.04	0.2
(1,1541)	1:A:128:LEU:HD21	2:E:290:TRP:HE3	5	0.19	0.04	0.2
(1,1541)	1:A:128:LEU:HD22	2:E:290:TRP:HE3	5	0.19	0.04	0.2
(1,1541)	1:A:128:LEU:HD23	2:E:290:TRP:HE3	5	0.19	0.04	0.2
(1,1469)	1:D:133:PHE:H	1:D:135:ALA:H	5	0.18	0.06	0.18
(1,146)	1:A:50:GLN:H	1:A:57:GLU:H	5	0.18	0.04	0.18
(1,682)	1:B:110:ALA:H	1:B:112:GLU:H	5	0.18	0.06	0.17
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD11	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD12	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD13	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD11	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD12	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD13	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD11	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD12	5	0.17	0.03	0.17
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD13	5	0.17	0.03	0.17
(1,376)	1:A:133:PHE:H	1:A:134:ASP:H	5	0.17	0.03	0.15
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG21	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG22	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG23	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG21	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG22	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG23	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG21	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG22	5	0.17	0.03	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG23	5	0.17	0.03	0.17
(1,961)	1:C:66:ALA:H	1:C:73:ALA:H	5	0.17	0.02	0.17
(1,1594)	1:C:128:LEU:HD11	2:F:290:TRP:HE3	5	0.16	0.05	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1594)	1:C:128:LEU:HD12	2:F:290:TRP:HE3	5	0.16	0.05	0.14
(1,1594)	1:C:128:LEU:HD13	2:F:290:TRP:HE3	5	0.16	0.05	0.14
(1,1594)	1:C:128:LEU:HD21	2:F:290:TRP:HE3	5	0.16	0.05	0.14
(1,1594)	1:C:128:LEU:HD22	2:F:290:TRP:HE3	5	0.16	0.05	0.14
(1,1594)	1:C:128:LEU:HD23	2:F:290:TRP:HE3	5	0.16	0.05	0.14
(1,909)	1:C:55:VAL:H	1:C:86:ILE:H	5	0.16	0.03	0.15
(1,413)	1:B:12:GLN:H	1:B:13:ILE:H	5	0.15	0.03	0.14
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD11	5	0.15	0.02	0.15
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD12	5	0.15	0.02	0.15
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD13	5	0.15	0.02	0.15
(2,2)	1:C:40:VAL:O	2:F:290:TRP:NE1	5	0.15	0.03	0.14
(1,1007)	1:C:82:GLY:H	1:C:83:ILE:H	5	0.14	0.02	0.14
(1,1659)	1:B:60:LEU:HD21	2:H:281:PHE:HZ	5	0.14	0.02	0.14
(1,1659)	1:B:60:LEU:HD22	2:H:281:PHE:HZ	5	0.14	0.02	0.14
(1,1659)	1:B:60:LEU:HD23	2:H:281:PHE:HZ	5	0.14	0.02	0.14
(1,913)	1:C:56:TYR:H	1:C:85:SER:H	5	0.14	0.01	0.13
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD21	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD22	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD23	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD21	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD22	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD23	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD21	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD22	4	1.58	0.72	1.23
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD23	4	1.58	0.72	1.23
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD11	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD12	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD13	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD11	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD12	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD13	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD11	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD12	4	1.38	1.13	0.88
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD13	4	1.38	1.13	0.88
(1,94)	1:A:36:TRP:HE3	1:A:37:GLN:H	4	1.21	0.47	1.04
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD11	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD12	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD13	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD11	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD12	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD13	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD11	4	1.13	0.79	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD12	4	1.13	0.79	0.98
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD13	4	1.13	0.79	0.98
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD21	4	1.04	0.77	0.89
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD22	4	1.04	0.77	0.89
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD23	4	1.04	0.77	0.89
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD11	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD12	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD13	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD11	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD12	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD13	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD11	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD12	4	0.86	0.35	0.9
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD13	4	0.86	0.35	0.9
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG11	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG12	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG13	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG11	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG12	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG13	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG11	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG12	4	0.79	0.24	0.77
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG13	4	0.79	0.24	0.77
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG21	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG22	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG23	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG21	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG22	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG23	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG21	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG22	4	0.78	0.29	0.64
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG23	4	0.78	0.29	0.64
(1,824)	1:C:31:VAL:HG11	1:C:32:PHE:H	4	0.65	0.14	0.66
(1,824)	1:C:31:VAL:HG12	1:C:32:PHE:H	4	0.65	0.14	0.66
(1,824)	1:C:31:VAL:HG13	1:C:32:PHE:H	4	0.65	0.14	0.66
(1,1138)	1:D:10:THR:H	1:D:89:ILE:H	4	0.38	0.05	0.38
(1,716)	1:B:125:GLN:H	1:C:125:GLN:H	4	0.36	0.04	0.36
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB1	4	0.35	0.22	0.28
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB2	4	0.35	0.22	0.28
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB3	4	0.35	0.22	0.28
(1,550)	1:B:58:VAL:H	1:B:84:PHE:H	4	0.34	0.04	0.34
(1,777)	1:C:17:TYR:HE1	1:C:82:GLY:H	4	0.29	0.1	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,777)	1:C:17:TYR:HE2	1:C:82:GLY:H	4	0.29	0.1	0.3
(1,384)	1:A:135:ALA:H	1:A:138:MET:H	4	0.28	0.09	0.25
(1,750)	1:B:139:ASN:H	1:B:141:LEU:H	4	0.26	0.11	0.22
(1,1050)	1:C:99:GLY:H	1:C:102:CYS:H	4	0.24	0.11	0.22
(1,1019)	1:C:90:GLU:H	1:C:94:MET:H	4	0.23	0.09	0.24
(1,1462)	1:D:128:LEU:HD11	1:D:129:ALA:H	4	0.23	0.03	0.22
(1,1462)	1:D:128:LEU:HD12	1:D:129:ALA:H	4	0.23	0.03	0.22
(1,1462)	1:D:128:LEU:HD13	1:D:129:ALA:H	4	0.23	0.03	0.22
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD11	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD12	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD13	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD21	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD22	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD23	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD11	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD12	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD13	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD21	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD22	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD23	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD11	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD12	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD13	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD21	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD22	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD23	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD11	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD12	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD13	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD21	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD22	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD23	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD11	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD12	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD13	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD21	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD22	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD23	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD11	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD12	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD13	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD21	4	0.23	0.09	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD22	4	0.23	0.09	0.2
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD23	4	0.23	0.09	0.2
(1,1176)	1:D:24:GLU:H	1:D:75:LEU:H	4	0.23	0.1	0.2
(1,370)	1:A:128:LEU:HD21	1:A:129:ALA:H	4	0.22	0.1	0.2
(1,370)	1:A:128:LEU:HD22	1:A:129:ALA:H	4	0.22	0.1	0.2
(1,370)	1:A:128:LEU:HD23	1:A:129:ALA:H	4	0.22	0.1	0.2
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG21	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG22	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG23	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG21	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG22	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG23	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG21	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG22	4	0.22	0.03	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG23	4	0.22	0.03	0.22
(1,441)	1:B:23:PHE:H	1:B:24:GLU:H	4	0.22	0.04	0.22
(1,644)	1:B:93:GLN:H	1:B:96:HIS:H	4	0.22	0.09	0.2
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG21	4	0.22	0.05	0.21
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG22	4	0.22	0.05	0.21
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG23	4	0.22	0.05	0.21
(1,3)	1:A:10:THR:H	1:A:87:ALA:H	4	0.22	0.11	0.18
(1,876)	1:C:45:ASP:H	1:C:63:THR:H	4	0.21	0.06	0.21
(1,748)	1:B:138:MET:H	1:B:141:LEU:H	4	0.21	0.09	0.16
(1,922)	1:C:58:VAL:H	1:C:84:PHE:H	4	0.21	0.01	0.22
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG21	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG22	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG23	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG21	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG22	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG23	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG21	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG22	4	0.21	0.03	0.2
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG23	4	0.21	0.03	0.2
(1,1028)	1:C:93:GLN:H	1:C:96:HIS:H	4	0.21	0.05	0.19
(1,50)	1:A:23:PHE:H	1:B:21:ILE:H	4	0.2	0.05	0.18
(1,302)	1:A:96:HIS:H	1:A:99:GLY:H	4	0.19	0.07	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD11	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD12	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD13	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD21	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD22	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD23	4	0.19	0.06	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD11	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD12	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD13	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD21	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD22	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD23	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD11	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD12	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD13	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD21	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD22	4	0.19	0.06	0.18
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD23	4	0.19	0.06	0.18
(1,821)	1:C:30:HIS:H	1:C:32:PHE:H	4	0.18	0.02	0.18
(1,136)	1:A:47:ALA:H	1:A:59:VAL:H	4	0.18	0.05	0.18
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG21	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG22	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG23	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG21	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG22	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG23	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG21	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG22	4	0.18	0.07	0.15
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG23	4	0.18	0.07	0.15
(1,319)	1:A:101:TYR:H	1:A:102:CYS:H	4	0.18	0.02	0.18
(1,1033)	1:C:95:ALA:H	1:C:98:LEU:H	4	0.17	0.08	0.14
(1,396)	1:A:138:MET:H	1:A:141:LEU:H	4	0.17	0.03	0.18
(1,1047)	1:C:99:GLY:H	1:C:100:ALA:H	4	0.16	0.01	0.16
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD11	4	0.16	0.04	0.14
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD12	4	0.16	0.04	0.14
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD13	4	0.16	0.04	0.14
(1,84)	1:A:32:PHE:H	1:A:33:GLN:H	4	0.16	0.04	0.16
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD11	4	0.15	0.02	0.15
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD12	4	0.15	0.02	0.15
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD13	4	0.15	0.02	0.15
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD11	4	0.15	0.02	0.15
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD12	4	0.15	0.02	0.15
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD13	4	0.15	0.02	0.15
(1,553)	1:B:58:VAL:HG11	1:B:59:VAL:H	4	0.15	0.04	0.14
(1,553)	1:B:58:VAL:HG12	1:B:59:VAL:H	4	0.15	0.04	0.14
(1,553)	1:B:58:VAL:HG13	1:B:59:VAL:H	4	0.15	0.04	0.14
(1,290)	1:A:94:MET:H	1:A:95:ALA:H	4	0.14	0.02	0.12
(1,697)	1:B:115:THR:H	1:B:117:MET:H	4	0.14	0.03	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,696)	1:B:115:THR:H	1:B:116:SER:H	4	0.13	0.01	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD11	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD12	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD13	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD21	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD22	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD23	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD11	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD12	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD13	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD21	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD22	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD23	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD11	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD12	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD13	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD21	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD22	4	0.12	0.01	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD23	4	0.12	0.01	0.12
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE1	3	3.71	0.44	3.64
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE2	3	3.71	0.44	3.64
(1,826)	1:C:31:VAL:HG11	1:C:36:TRP:HZ3	3	2.34	1.42	2.61
(1,826)	1:C:31:VAL:HG12	1:C:36:TRP:HZ3	3	2.34	1.42	2.61
(1,826)	1:C:31:VAL:HG13	1:C:36:TRP:HZ3	3	2.34	1.42	2.61
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE1	3	1.51	0.76	1.4
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE2	3	1.51	0.76	1.4
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE1	3	1.51	0.76	1.4
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE2	3	1.51	0.76	1.4
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE1	3	1.51	0.76	1.4
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE2	3	1.51	0.76	1.4
(1,941)	1:C:60:LEU:HD11	1:C:61:ARG:H	3	1.13	0.09	1.18
(1,941)	1:C:60:LEU:HD12	1:C:61:ARG:H	3	1.13	0.09	1.18
(1,941)	1:C:60:LEU:HD13	1:C:61:ARG:H	3	1.13	0.09	1.18
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	3	0.68	0.23	0.67
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	3	0.68	0.23	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD1	3	0.67	0.49	0.32
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD2	3	0.67	0.49	0.32
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD1	3	0.67	0.49	0.32
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD2	3	0.67	0.49	0.32
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD1	3	0.67	0.49	0.32
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD2	3	0.67	0.49	0.32
(1,1292)	1:D:60:LEU:HD11	1:D:62:VAL:H	3	0.65	0.18	0.76
(1,1292)	1:D:60:LEU:HD12	1:D:62:VAL:H	3	0.65	0.18	0.76
(1,1292)	1:D:60:LEU:HD13	1:D:62:VAL:H	3	0.65	0.18	0.76
(1,1225)	1:D:42:LEU:HD21	1:D:43:ASP:H	3	0.64	0.1	0.64
(1,1225)	1:D:42:LEU:HD22	1:D:43:ASP:H	3	0.64	0.1	0.64
(1,1225)	1:D:42:LEU:HD23	1:D:43:ASP:H	3	0.64	0.1	0.64
(1,233)	1:A:68:LEU:HD11	1:A:73:ALA:H	3	0.59	0.08	0.64
(1,233)	1:A:68:LEU:HD12	1:A:73:ALA:H	3	0.59	0.08	0.64
(1,233)	1:A:68:LEU:HD13	1:A:73:ALA:H	3	0.59	0.08	0.64
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD21	3	0.55	0.3	0.73
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD22	3	0.55	0.3	0.73
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD23	3	0.55	0.3	0.73
(1,115)	1:A:42:LEU:HD21	1:A:43:ASP:H	3	0.49	0.29	0.52
(1,115)	1:A:42:LEU:HD22	1:A:43:ASP:H	3	0.49	0.29	0.52
(1,115)	1:A:42:LEU:HD23	1:A:43:ASP:H	3	0.49	0.29	0.52
(1,1046)	1:C:98:LEU:HD11	1:C:99:GLY:H	3	0.48	0.28	0.56
(1,1046)	1:C:98:LEU:HD12	1:C:99:GLY:H	3	0.48	0.28	0.56
(1,1046)	1:C:98:LEU:HD13	1:C:99:GLY:H	3	0.48	0.28	0.56
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE1	3	0.4	0.25	0.29
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE2	3	0.4	0.25	0.29
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE1	3	0.4	0.25	0.29
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE2	3	0.4	0.25	0.29
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE1	3	0.4	0.25	0.29
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE2	3	0.4	0.25	0.29
(1,641)	1:B:92:THR:H	1:B:95:ALA:H	3	0.39	0.14	0.32
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD1	3	0.39	0.13	0.41
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD2	3	0.39	0.13	0.41
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD1	3	0.39	0.13	0.41
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD2	3	0.39	0.13	0.41
(1,464)	1:B:32:PHE:H	1:B:34:LYS:H	3	0.36	0.12	0.28
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	3	0.34	0.22	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	3	0.34	0.22	0.21
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	3	0.34	0.22	0.21
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD11	3	0.34	0.14	0.43
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD12	3	0.34	0.14	0.43
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD13	3	0.34	0.14	0.43
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD11	3	0.34	0.14	0.43
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD12	3	0.34	0.14	0.43
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD13	3	0.34	0.14	0.43
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	3	0.32	0.17	0.29
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	3	0.32	0.17	0.29
(1,99)	1:A:39:GLU:H	1:A:67:SER:H	3	0.29	0.1	0.34
(1,1412)	1:D:99:GLY:H	1:D:102:CYS:H	3	0.27	0.05	0.24
(1,1088)	1:C:118:VAL:HG21	1:C:126:LEU:H	3	0.27	0.02	0.27
(1,1088)	1:C:118:VAL:HG22	1:C:126:LEU:H	3	0.27	0.02	0.27
(1,1088)	1:C:118:VAL:HG23	1:C:126:LEU:H	3	0.27	0.02	0.27
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD21	3	0.26	0.09	0.32
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD22	3	0.26	0.09	0.32
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD23	3	0.26	0.09	0.32
(1,523)	1:B:51:LEU:HD21	1:B:57:GLU:H	3	0.26	0.01	0.26
(1,523)	1:B:51:LEU:HD22	1:B:57:GLU:H	3	0.26	0.01	0.26
(1,523)	1:B:51:LEU:HD23	1:B:57:GLU:H	3	0.26	0.01	0.26
(1,1014)	1:C:87:ALA:H	1:C:89:ILE:H	3	0.24	0.15	0.17
(1,131)	1:A:45:ASP:H	1:A:62:VAL:H	3	0.23	0.12	0.16
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE1	3	0.22	0.09	0.24
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE2	3	0.22	0.09	0.24
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE3	3	0.22	0.09	0.24
(1,1666)	1:B:129:ALA:HB1	2:H:290:TRP:HZ3	3	0.22	0.06	0.21
(1,1666)	1:B:129:ALA:HB2	2:H:290:TRP:HZ3	3	0.22	0.06	0.21
(1,1666)	1:B:129:ALA:HB3	2:H:290:TRP:HZ3	3	0.22	0.06	0.21
(1,381)	1:A:134:ASP:H	1:A:136:LEU:H	3	0.21	0.08	0.19
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE1	3	0.2	0.01	0.2
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE2	3	0.2	0.01	0.2
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE1	3	0.2	0.01	0.2
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE2	3	0.2	0.01	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE1	3	0.2	0.01	0.2
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE2	3	0.2	0.01	0.2
(1,594)	1:B:68:LEU:H	1:B:71:GLU:H	3	0.2	0.04	0.23
(1,284)	1:A:92:THR:H	1:A:93:GLN:H	3	0.2	0.04	0.18
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD1	3	0.2	0.05	0.18
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD2	3	0.2	0.05	0.18
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD1	3	0.2	0.05	0.18
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD2	3	0.2	0.05	0.18
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD1	3	0.2	0.05	0.18
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD2	3	0.2	0.05	0.18
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB1	3	0.19	0.07	0.2
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB2	3	0.19	0.07	0.2
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB3	3	0.19	0.07	0.2
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD11	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD12	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD13	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD21	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD22	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD23	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD11	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD12	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD13	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD21	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD22	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD23	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD11	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD12	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD13	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD21	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD22	3	0.19	0.02	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD23	3	0.19	0.02	0.18
(1,1136)	1:D:10:THR:H	1:D:87:ALA:H	3	0.19	0.07	0.17
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD11	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD12	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD13	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD21	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD22	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD23	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD11	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD12	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD13	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD21	3	0.19	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD22	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD23	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD11	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD12	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD13	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD21	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD22	3	0.19	0.04	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD23	3	0.19	0.04	0.18
(1,1118)	1:C:135:ALA:H	1:C:138:MET:H	3	0.19	0.05	0.22
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE1	3	0.18	0.05	0.15
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE2	3	0.18	0.05	0.15
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE1	3	0.18	0.05	0.15
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE2	3	0.18	0.05	0.15
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD11	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD12	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD13	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD21	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD22	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD23	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD11	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD12	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD13	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD21	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD22	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD23	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD11	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD12	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD13	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD21	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD22	3	0.18	0.03	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD23	3	0.18	0.03	0.19
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD11	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD12	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD13	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD21	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD22	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD23	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD11	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD12	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD13	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD21	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD22	3	0.18	0.02	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD23	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD11	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD12	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD13	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD21	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD22	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD23	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD11	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD12	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD13	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD21	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD22	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD23	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD11	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD12	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD13	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD21	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD22	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD23	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD11	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD12	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD13	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD21	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD22	3	0.18	0.02	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD23	3	0.18	0.02	0.17
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG21	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG22	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG23	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG21	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG22	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG23	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG21	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG22	3	0.18	0.04	0.18
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG23	3	0.18	0.04	0.18
(1,547)	1:B:57:GLU:H	1:B:84:PHE:H	3	0.17	0.03	0.16
(1,960)	1:C:66:ALA:H	1:C:67:SER:H	3	0.17	0.03	0.16
(1,1095)	1:C:122:THR:H	1:D:18:THR:H	3	0.16	0.05	0.13
(1,24)	1:A:17:TYR:H	1:A:81:GLY:H	3	0.16	0.05	0.15
(1,1433)	1:D:113:CYS:H	1:D:115:THR:H	3	0.16	0.04	0.14
(1,1700)	1:B:128:LEU:HD11	2:H:290:TRP:HE3	3	0.16	0.05	0.14
(1,1700)	1:B:128:LEU:HD12	2:H:290:TRP:HE3	3	0.16	0.05	0.14
(1,1700)	1:B:128:LEU:HD13	2:H:290:TRP:HE3	3	0.16	0.05	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1700)	1:B:128:LEU:HD21	2:H:290:TRP:HE3	3	0.16	0.05	0.14
(1,1700)	1:B:128:LEU:HD22	2:H:290:TRP:HE3	3	0.16	0.05	0.14
(1,1700)	1:B:128:LEU:HD23	2:H:290:TRP:HE3	3	0.16	0.05	0.14
(1,1200)	1:D:32:PHE:H	1:D:34:LYS:H	3	0.15	0.02	0.16
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD11	3	0.15	0.03	0.14
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD12	3	0.15	0.03	0.14
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD13	3	0.15	0.03	0.14
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD11	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD12	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD13	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD21	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD22	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD23	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD11	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD12	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD13	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD21	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD22	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD23	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD11	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD12	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD13	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD21	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD22	3	0.15	0.02	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD23	3	0.15	0.02	0.16
(1,1147)	1:D:14:GLN:H	1:D:15:ARG:H	3	0.15	0.02	0.14
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB1	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB2	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB3	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB1	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB2	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB3	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB1	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB2	3	0.14	0.01	0.14
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB3	3	0.14	0.01	0.14
(1,1482)	1:D:136:LEU:H	1:D:137:PHE:H	3	0.14	0.03	0.13
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	3	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	3	0.13	0.02	0.13
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	3	0.13	0.02	0.13
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD11	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD12	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD13	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD11	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD12	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD13	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD11	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD12	3	0.13	0.01	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD13	3	0.13	0.01	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD11	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD12	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD13	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD21	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD22	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD23	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD11	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD12	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD13	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD21	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD22	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD23	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD11	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD12	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD13	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD21	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD22	3	0.13	0.01	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD23	3	0.13	0.01	0.13
(1,1038)	1:C:97:CYS:H	1:C:98:LEU:H	3	0.13	0.0	0.13
(1,198)	1:A:62:VAL:H	1:A:63:THR:H	3	0.12	0.02	0.11
(1,557)	1:B:59:VAL:H	1:B:60:LEU:H	3	0.12	0.0	0.12
(1,657)	1:B:97:CYS:H	1:B:98:LEU:H	3	0.12	0.01	0.11
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	3	0.12	0.01	0.12
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	3	0.12	0.01	0.12
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	3	0.12	0.01	0.12
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	3	0.12	0.01	0.12
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	3	0.12	0.01	0.12
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	3	0.12	0.01	0.12
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG21	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG22	3	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG23	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG21	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG22	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG23	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG21	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG22	3	0.12	0.01	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG23	3	0.12	0.01	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD11	3	0.11	0.0	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD12	3	0.11	0.0	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD13	3	0.11	0.0	0.11
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG21	2	1.59	0.02	1.59
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG22	2	1.59	0.02	1.59
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG23	2	1.59	0.02	1.59
(1,1291)	1:D:60:LEU:HD11	1:D:61:ARG:H	2	1.37	0.01	1.37
(1,1291)	1:D:60:LEU:HD12	1:D:61:ARG:H	2	1.37	0.01	1.37
(1,1291)	1:D:60:LEU:HD13	1:D:61:ARG:H	2	1.37	0.01	1.37
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG21	2	1.12	0.05	1.12
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG22	2	1.12	0.05	1.12
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG23	2	1.12	0.05	1.12
(1,194)	1:A:60:LEU:HD11	1:A:61:ARG:H	2	1.06	0.21	1.06
(1,194)	1:A:60:LEU:HD12	1:A:61:ARG:H	2	1.06	0.21	1.06
(1,194)	1:A:60:LEU:HD13	1:A:61:ARG:H	2	1.06	0.21	1.06
(1,78)	1:A:31:VAL:HG11	1:A:123:PHE:HE1	2	0.97	0.26	0.97
(1,78)	1:A:31:VAL:HG11	1:A:123:PHE:HE2	2	0.97	0.26	0.97
(1,78)	1:A:31:VAL:HG12	1:A:123:PHE:HE1	2	0.97	0.26	0.97
(1,78)	1:A:31:VAL:HG12	1:A:123:PHE:HE2	2	0.97	0.26	0.97
(1,78)	1:A:31:VAL:HG13	1:A:123:PHE:HE1	2	0.97	0.26	0.97
(1,78)	1:A:31:VAL:HG13	1:A:123:PHE:HE2	2	0.97	0.26	0.97
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD21	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD22	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD23	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD21	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD22	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD23	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD21	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD22	2	0.86	0.68	0.86
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD23	2	0.86	0.68	0.86
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB1	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB2	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB3	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB1	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB2	2	0.67	0.52	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB3	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB1	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB2	2	0.67	0.52	0.67
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB3	2	0.67	0.52	0.67
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB1	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB2	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB3	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB1	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB2	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB3	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB1	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB2	2	0.64	0.2	0.64
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB3	2	0.64	0.2	0.64
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD21	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD22	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD23	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD21	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD22	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD23	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD21	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD22	2	0.6	0.09	0.6
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD23	2	0.6	0.09	0.6
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD11	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD12	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD13	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD11	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD12	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD13	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD11	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD12	2	0.57	0.09	0.57
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD13	2	0.57	0.09	0.57
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG11	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG12	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG13	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG11	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG12	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG13	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG11	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG12	2	0.54	0.16	0.54
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG13	2	0.54	0.16	0.54
(1,830)	1:C:31:VAL:HG21	1:C:123:PHE:HE1	2	0.52	0.03	0.52
(1,830)	1:C:31:VAL:HG21	1:C:123:PHE:HE2	2	0.52	0.03	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,830)	1:C:31:VAL:HG22	1:C:123:PHE:HE1	2	0.52	0.03	0.52
(1,830)	1:C:31:VAL:HG22	1:C:123:PHE:HE2	2	0.52	0.03	0.52
(1,830)	1:C:31:VAL:HG23	1:C:123:PHE:HE1	2	0.52	0.03	0.52
(1,830)	1:C:31:VAL:HG23	1:C:123:PHE:HE2	2	0.52	0.03	0.52
(1,1108)	1:C:131:VAL:HG11	1:C:133:PHE:H	2	0.5	0.06	0.5
(1,1108)	1:C:131:VAL:HG12	1:C:133:PHE:H	2	0.5	0.06	0.5
(1,1108)	1:C:131:VAL:HG13	1:C:133:PHE:H	2	0.5	0.06	0.5
(1,414)	1:B:12:GLN:H	1:B:85:SER:H	2	0.48	0.04	0.48
(1,825)	1:C:31:VAL:HG11	1:C:32:PHE:HD1	2	0.46	0.13	0.46
(1,825)	1:C:31:VAL:HG11	1:C:32:PHE:HD2	2	0.46	0.13	0.46
(1,825)	1:C:31:VAL:HG12	1:C:32:PHE:HD1	2	0.46	0.13	0.46
(1,825)	1:C:31:VAL:HG12	1:C:32:PHE:HD2	2	0.46	0.13	0.46
(1,825)	1:C:31:VAL:HG13	1:C:32:PHE:HD1	2	0.46	0.13	0.46
(1,825)	1:C:31:VAL:HG13	1:C:32:PHE:HD2	2	0.46	0.13	0.46
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG11	2	0.42	0.01	0.42
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG12	2	0.42	0.01	0.42
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG13	2	0.42	0.01	0.42
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG11	2	0.42	0.01	0.42
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG12	2	0.42	0.01	0.42
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG13	2	0.42	0.01	0.42
(1,462)	1:B:31:VAL:HG21	1:B:123:PHE:HE1	2	0.38	0.26	0.38
(1,462)	1:B:31:VAL:HG21	1:B:123:PHE:HE2	2	0.38	0.26	0.38
(1,462)	1:B:31:VAL:HG22	1:B:123:PHE:HE1	2	0.38	0.26	0.38
(1,462)	1:B:31:VAL:HG22	1:B:123:PHE:HE2	2	0.38	0.26	0.38
(1,462)	1:B:31:VAL:HG23	1:B:123:PHE:HE1	2	0.38	0.26	0.38
(1,462)	1:B:31:VAL:HG23	1:B:123:PHE:HE2	2	0.38	0.26	0.38
(1,19)	1:A:14:GLN:H	1:A:85:SER:H	2	0.35	0.01	0.35
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD21	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD22	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD23	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD21	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD22	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD23	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD21	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD22	2	0.32	0.02	0.32
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD23	2	0.32	0.02	0.32
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD21	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD22	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD23	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD21	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD22	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD23	2	0.31	0.2	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD21	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD22	2	0.31	0.2	0.31
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD23	2	0.31	0.2	0.31
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG11	2	0.3	0.14	0.3
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG12	2	0.3	0.14	0.3
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG13	2	0.3	0.14	0.3
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD11	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD12	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD13	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD11	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD12	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD13	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD11	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD12	2	0.29	0.13	0.29
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD13	2	0.29	0.13	0.29
(1,446)	1:B:24:GLU:H	1:B:75:LEU:H	2	0.28	0.12	0.28
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD11	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD12	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD13	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD21	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD22	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD23	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD11	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD12	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD13	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD21	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD22	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD23	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD11	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD12	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD13	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD21	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD22	2	0.26	0.1	0.26
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD23	2	0.26	0.1	0.26
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG21	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG22	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG23	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG21	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG22	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG23	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG21	2	0.26	0.05	0.26
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG22	2	0.26	0.05	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG23	2	0.26	0.05	0.26
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD11	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD12	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD13	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD21	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD22	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD23	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD11	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD12	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD13	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD21	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD22	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD23	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD11	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD12	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD13	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD21	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD22	2	0.25	0.02	0.25
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD23	2	0.25	0.02	0.25
(1,1474)	1:D:134:ASP:H	1:D:137:PHE:H	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD21	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD22	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD23	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD21	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD22	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD23	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD21	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD22	2	0.24	0.08	0.24
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD23	2	0.24	0.08	0.24
(1,148)	1:A:51:LEU:H	1:A:55:VAL:H	2	0.24	0.08	0.24
(1,660)	1:B:97:CYS:H	1:B:101:TYR:H	2	0.24	0.06	0.24
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG21	2	0.24	0.03	0.24
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG22	2	0.24	0.03	0.24
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG23	2	0.24	0.03	0.24
(1,1248)	1:D:49:SER:H	1:D:59:VAL:H	2	0.23	0.12	0.23
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD11	2	0.22	0.11	0.22
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD12	2	0.22	0.11	0.22
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD13	2	0.22	0.11	0.22
(1,466)	1:B:33:GLN:H	1:B:34:LYS:H	2	0.22	0.03	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD11	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD12	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD13	2	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD21	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD22	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD23	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD11	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD12	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD13	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD21	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD22	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD23	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD11	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD12	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD13	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD21	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD22	2	0.2	0.02	0.2
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD23	2	0.2	0.02	0.2
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD11	2	0.2	0.09	0.2
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD12	2	0.2	0.09	0.2
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD13	2	0.2	0.09	0.2
(1,1668)	1:B:40:VAL:HG11	2:H:290:TRP:HE1	2	0.2	0.04	0.2
(1,1668)	1:B:40:VAL:HG12	2:H:290:TRP:HE1	2	0.2	0.04	0.2
(1,1668)	1:B:40:VAL:HG13	2:H:290:TRP:HE1	2	0.2	0.04	0.2
(1,1186)	1:D:30:HIS:H	1:D:32:PHE:H	2	0.2	0.04	0.2
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE1	2	0.2	0.04	0.2
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE2	2	0.2	0.04	0.2
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE3	2	0.2	0.04	0.2
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE1	2	0.2	0.04	0.2
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE2	2	0.2	0.04	0.2
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE3	2	0.2	0.04	0.2
(2,1)	1:A:40:VAL:O	2:E:290:TRP:NE1	2	0.2	0.04	0.2
(1,670)	1:B:100:ALA:H	1:B:101:TYR:H	2	0.19	0.08	0.19
(1,499)	1:B:44:LEU:HD11	1:B:45:ASP:H	2	0.18	0.06	0.18
(1,499)	1:B:44:LEU:HD12	1:B:45:ASP:H	2	0.18	0.06	0.18
(1,499)	1:B:44:LEU:HD13	1:B:45:ASP:H	2	0.18	0.06	0.18
(1,658)	1:B:97:CYS:H	1:B:99:GLY:H	2	0.18	0.06	0.18
(1,1458)	1:D:126:LEU:H	1:D:127:ASN:H	2	0.18	0.06	0.18
(1,228)	1:A:67:SER:H	1:A:73:ALA:H	2	0.18	0.03	0.18
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG11	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG12	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG13	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG11	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG12	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG13	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG11	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG12	2	0.18	0.02	0.18
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG13	2	0.18	0.02	0.18
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD11	2	0.18	0.06	0.18
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD12	2	0.18	0.06	0.18
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD13	2	0.18	0.06	0.18
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD11	2	0.18	0.06	0.18
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD12	2	0.18	0.06	0.18
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD13	2	0.18	0.06	0.18
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD11	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD12	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD13	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD11	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD12	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD13	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD11	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD12	2	0.18	0.0	0.18
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD13	2	0.18	0.0	0.18
(1,546)	1:B:57:GLU:H	1:B:58:VAL:H	2	0.17	0.03	0.17
(1,738)	1:B:136:LEU:H	1:B:138:MET:H	2	0.17	0.03	0.17
(1,1122)	1:C:136:LEU:H	1:C:139:ASN:H	2	0.17	0.0	0.17
(1,1409)	1:D:99:GLY:H	1:D:100:ALA:H	2	0.17	0.04	0.17
(1,1507)	1:A:129:ALA:HB1	2:E:290:TRP:HZ3	2	0.17	0.01	0.17
(1,1507)	1:A:129:ALA:HB2	2:E:290:TRP:HZ3	2	0.17	0.01	0.17
(1,1507)	1:A:129:ALA:HB3	2:E:290:TRP:HZ3	2	0.17	0.01	0.17
(1,322)	1:A:109:TYR:H	1:A:111:ARG:H	2	0.16	0.06	0.16
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE1	2	0.16	0.02	0.16
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE2	2	0.16	0.02	0.16
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE3	2	0.16	0.02	0.16
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE1	2	0.16	0.02	0.16
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE2	2	0.16	0.02	0.16
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE3	2	0.16	0.02	0.16
(1,325)	1:A:110:ALA:H	1:A:112:GLU:H	2	0.16	0.03	0.16
(1,1442)	1:D:116:SER:H	1:D:118:VAL:H	2	0.16	0.01	0.16
(1,421)	1:B:15:ARG:H	1:B:83:ILE:H	2	0.16	0.05	0.16
(1,1338)	1:D:73:ALA:H	1:D:74:PHE:H	2	0.16	0.01	0.16
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD11	2	0.16	0.02	0.16
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD12	2	0.16	0.02	0.16
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD13	2	0.16	0.02	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD11	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD12	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD13	2	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD21	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD22	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD23	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD11	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD12	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD13	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD21	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD22	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD23	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD11	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD12	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD13	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD21	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD22	2	0.15	0.01	0.15
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD23	2	0.15	0.01	0.15
(1,455)	1:B:31:VAL:H	1:B:32:PHE:H	2	0.15	0.04	0.15
(1,1562)	1:C:40:VAL:HG11	2:F:290:TRP:HE1	2	0.15	0.0	0.15
(1,1562)	1:C:40:VAL:HG12	2:F:290:TRP:HE1	2	0.15	0.0	0.15
(1,1562)	1:C:40:VAL:HG13	2:F:290:TRP:HE1	2	0.15	0.0	0.15
(1,1405)	1:D:97:CYS:H	1:D:100:ALA:H	2	0.15	0.0	0.15
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG21	2	0.14	0.02	0.14
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG22	2	0.14	0.02	0.14
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG23	2	0.14	0.02	0.14
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG21	2	0.14	0.02	0.14
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG22	2	0.14	0.02	0.14
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG23	2	0.14	0.02	0.14
(1,765)	1:C:14:GLN:H	1:C:15:ARG:H	2	0.14	0.02	0.14
(1,698)	1:B:116:SER:H	1:B:117:MET:H	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB1	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB2	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB3	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB1	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB2	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB3	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB1	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB2	2	0.13	0.02	0.13
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB3	2	0.13	0.02	0.13
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG21	2	0.13	0.01	0.13
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG22	2	0.13	0.01	0.13
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG23	2	0.13	0.01	0.13
(1,217)	1:A:66:ALA:H	1:A:67:SER:H	2	0.12	0.01	0.12
(1,305)	1:A:97:CYS:H	1:A:100:ALA:H	2	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1304)	1:D:64:VAL:H	1:D:65:THR:H	2	0.12	0.02	0.12
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD21	2	0.12	0.01	0.12
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD22	2	0.12	0.01	0.12
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD23	2	0.12	0.01	0.12
(1,801)	1:C:23:PHE:H	1:C:24:GLU:H	2	0.12	0.01	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD11	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD12	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD13	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD11	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD12	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD13	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD11	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD12	2	0.12	0.0	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD13	2	0.12	0.0	0.12
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	2	0.12	0.0	0.12
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	2	0.12	0.0	0.12
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	2	0.12	0.0	0.12
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	2	0.12	0.0	0.12
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	2	0.12	0.0	0.12
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	2	0.12	0.0	0.12
(1,932)	1:C:59:VAL:H	1:C:60:LEU:H	2	0.12	0.0	0.12
(1,1614)	1:D:126:LEU:HD11	2:G:290:TRP:HZ2	2	0.12	0.0	0.12
(1,1614)	1:D:126:LEU:HD12	2:G:290:TRP:HZ2	2	0.12	0.0	0.12
(1,1614)	1:D:126:LEU:HD13	2:G:290:TRP:HZ2	2	0.12	0.0	0.12
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE1	2	0.12	0.0	0.12
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE2	2	0.12	0.0	0.12
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE3	2	0.12	0.0	0.12
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE1	2	0.12	0.0	0.12
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE2	2	0.12	0.0	0.12
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE3	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD11	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD12	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD13	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD21	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD22	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD23	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD11	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD12	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD13	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD21	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD22	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD23	2	0.12	0.0	0.12

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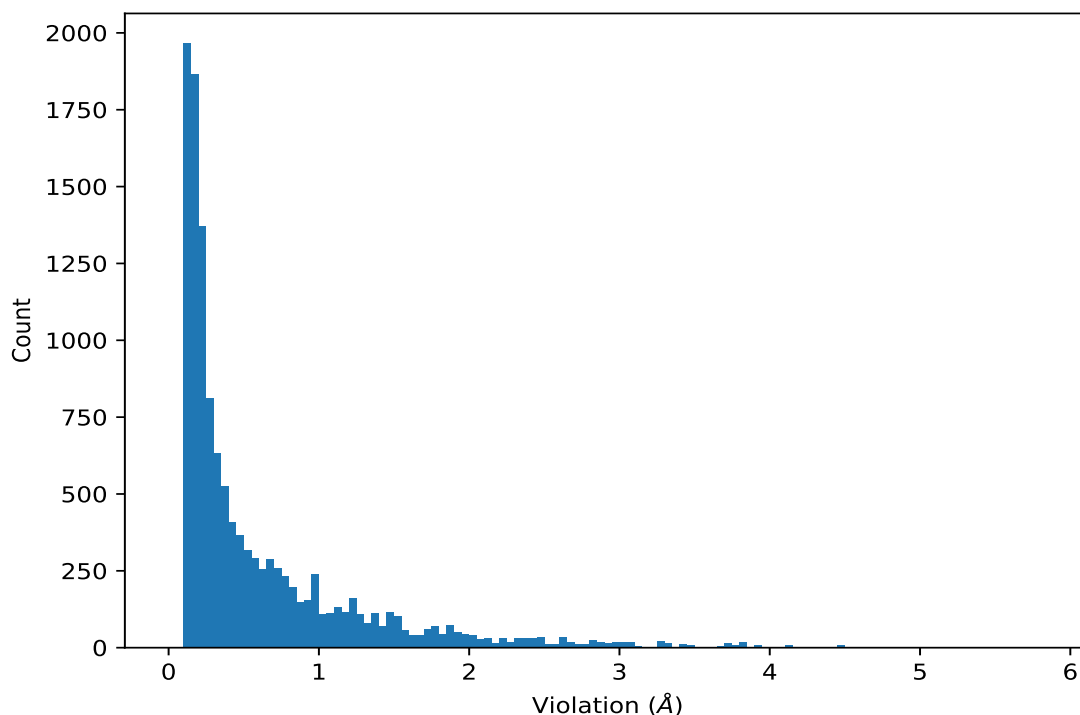
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD11	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD12	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD13	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD21	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD22	2	0.12	0.0	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD23	2	0.12	0.0	0.12
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG11	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG12	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG13	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG11	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG12	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG13	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG11	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG12	2	0.11	0.0	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG13	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	6	5.82
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	6	5.82
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	6	5.82
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	13	5.68
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	13	5.68
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	13	5.68
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	18	5.38
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	18	5.38
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	18	5.38
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	6	4.69
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	6	4.69
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	6	4.69
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	15	4.48
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	15	4.48
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	15	4.48
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	15	4.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	15	4.48
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	15	4.48
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	15	4.48
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	15	4.48
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	15	4.48
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE1	2	4.27
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE2	2	4.27
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	4	4.13
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	4	4.13
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	4	4.13
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	4	4.13
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	4	4.13
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	4	4.13
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	4	4.13
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	4	4.13
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	4	4.13
(1,826)	1:C:31:VAL:HG11	1:C:36:TRP:HZ3	6	3.92
(1,826)	1:C:31:VAL:HG12	1:C:36:TRP:HZ3	6	3.92
(1,826)	1:C:31:VAL:HG13	1:C:36:TRP:HZ3	6	3.92
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	15	3.9
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	15	3.9
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	15	3.9
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	15	3.9
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	15	3.9
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	15	3.9
(1,87)	1:A:32:PHE:HD1	1:A:36:TRP:HZ3	6	3.83
(1,87)	1:A:32:PHE:HD2	1:A:36:TRP:HZ3	6	3.83
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	2	3.83
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	2	3.83
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	2	3.83
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	2	3.83
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	2	3.83
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	2	3.83
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	2	3.83
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	2	3.83
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	2	3.83
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	17	3.8
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	17	3.8
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	17	3.8
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	17	3.8
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	17	3.8
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	17	3.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	14	3.75
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	14	3.75
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	14	3.75
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	14	3.75
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	14	3.75
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	14	3.75
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	14	3.75
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	14	3.75
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	14	3.75
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	19	3.73
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	19	3.73
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	19	3.73
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	19	3.73
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	19	3.73
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	19	3.73
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	1	3.73
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	1	3.73
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	1	3.73
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	1	3.73
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	1	3.73
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	1	3.73
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	1	3.73
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	1	3.73
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	1	3.73
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	13	3.66
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	13	3.66
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	13	3.66
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	18	3.66
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	18	3.66
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	18	3.66
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE1	13	3.64
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE2	13	3.64
(1,371)	1:A:131:VAL:H	1:A:133:PHE:HE1	17	3.53
(1,371)	1:A:131:VAL:H	1:A:133:PHE:HE2	17	3.53
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	6	3.49
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	3	3.48
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	3	3.48
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	3	3.48
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	3	3.48
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	3	3.48
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	3	3.48
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	6	3.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	6	3.42
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	6	3.42
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	6	3.42
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	6	3.42
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	6	3.42
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	12	3.4
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	12	3.4
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	12	3.4
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	12	3.4
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	12	3.4
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	12	3.4
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	16	3.32
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	16	3.32
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	16	3.32
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	16	3.32
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	16	3.32
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	16	3.32
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	15	3.3
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	15	3.3
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	15	3.3
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	15	3.3
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	15	3.3
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	15	3.3
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	15	3.3
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	15	3.3
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	15	3.3
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	2	3.29
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	2	3.29
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	16	3.29
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	16	3.29
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	16	3.29
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	16	3.29
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	16	3.29
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	16	3.29
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	16	3.29
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	16	3.29
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	16	3.29
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD11	9	3.27
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD12	9	3.27
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD13	9	3.27
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD11	9	3.27
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD12	9	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD13	9	3.27
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD11	9	3.27
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD12	9	3.27
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD13	9	3.27
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE1	7	3.21
(1,164)	1:A:54:ASP:H	1:A:56:TYR:HE2	7	3.21
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	7	3.14
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	7	3.14
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	7	3.14
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	7	3.14
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	7	3.14
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	7	3.14
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	10	3.06
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	10	3.06
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	10	3.06
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	10	3.06
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	10	3.06
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	10	3.06
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	10	3.06
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	10	3.06
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	10	3.06
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	9	3.05
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	9	3.05
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	9	3.05
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	9	3.05
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	9	3.05
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	9	3.05
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	9	3.05
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	9	3.05
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	9	3.05
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	20	3.02
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	20	3.02
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	20	3.02
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	20	3.02
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	20	3.02
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	20	3.02
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	20	3.02
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	20	3.02
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	20	3.02
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	19	3.01
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	19	3.01
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	19	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	19	3.01
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	19	3.01
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	19	3.01
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	19	3.01
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	19	3.01
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	19	3.01
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	7	3.0
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	2	2.97
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	2	2.97
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	2	2.97
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	2	2.97
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	2	2.97
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	2	2.97
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	14	2.97
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	14	2.97
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	14	2.97
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	14	2.97
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	14	2.97
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	14	2.97
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	15	2.96
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	15	2.96
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	15	2.96
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	13	2.95
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	13	2.95
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	2	2.94
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	2	2.94
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	2	2.94
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	7	2.92
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	7	2.92
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	7	2.92
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	7	2.92
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	7	2.92
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	7	2.92
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	7	2.92
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	7	2.92
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	7	2.92
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	14	2.9
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	14	2.9
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	14	2.9
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	10	2.89
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	10	2.89
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	10	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	16	2.86
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	16	2.86
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	16	2.86
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	13	2.86
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	13	2.86
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	13	2.86
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	13	2.86
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	13	2.86
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	13	2.86
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	13	2.86
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	13	2.86
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	13	2.86
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	15	2.85
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	15	2.85
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	15	2.85
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD21	15	2.82
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD22	15	2.82
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD23	15	2.82
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD21	15	2.82
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD22	15	2.82
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD23	15	2.82
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD21	15	2.82
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD22	15	2.82
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD23	15	2.82
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	12	2.82
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	12	2.82
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	12	2.82
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	12	2.82
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	12	2.82
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	12	2.82
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	12	2.82
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	12	2.82
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	12	2.82
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	14	2.8
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	14	2.8
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	14	2.8
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	12	2.8
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	12	2.8
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	12	2.8
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	2	2.79
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	2	2.79
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	2	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	12	2.78
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	12	2.78
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	12	2.78
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	15	2.76
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	15	2.76
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	15	2.76
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	15	2.76
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	6	2.75
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	6	2.75
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	6	2.75
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	16	2.74
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	16	2.74
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	16	2.74
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	7	2.74
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	7	2.74
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	3	2.71
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	3	2.71
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	3	2.71
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	16	2.7
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	16	2.7
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	16	2.7
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	9	2.69
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	9	2.69
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	9	2.69
(1,116)	1:A:42:LEU:HD21	1:A:44:LEU:H	13	2.69
(1,116)	1:A:42:LEU:HD22	1:A:44:LEU:H	13	2.69
(1,116)	1:A:42:LEU:HD23	1:A:44:LEU:H	13	2.69
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	15	2.65
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	15	2.65
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	15	2.65
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	12	2.65
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	12	2.65
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	12	2.65
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	12	2.65
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	12	2.65
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	12	2.65
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	12	2.65
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	12	2.65
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	12	2.65
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	15	2.63
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	15	2.63
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	15	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	15	2.63
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	15	2.63
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	15	2.63
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	20	2.62
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	20	2.62
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	20	2.62
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	20	2.62
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	20	2.62
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	20	2.62
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	18	2.62
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	18	2.62
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	18	2.62
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	18	2.62
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	18	2.62
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	18	2.62
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	18	2.62
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	18	2.62
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	18	2.62
(1,826)	1:C:31:VAL:HG11	1:C:36:TRP:HZ3	13	2.61
(1,826)	1:C:31:VAL:HG12	1:C:36:TRP:HZ3	13	2.61
(1,826)	1:C:31:VAL:HG13	1:C:36:TRP:HZ3	13	2.61
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	17	2.61
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	17	2.61
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	17	2.61
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	2	2.6
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	2	2.6
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	2	2.6
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	2	2.6
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	2	2.6
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	2	2.6
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	12	2.58
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	12	2.58
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	12	2.58
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	6	2.55
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	6	2.55
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	6	2.55
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	6	2.55
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	6	2.55
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	6	2.55
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	6	2.55
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	6	2.55
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	6	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	18	2.53
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	18	2.53
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	18	2.53
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	17	2.52
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	17	2.52
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	17	2.52
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	17	2.52
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	17	2.52
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	17	2.52
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	4	2.52
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	19	2.51
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	19	2.51
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	19	2.51
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE1	3	2.49
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE2	3	2.49
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE1	3	2.49
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE2	3	2.49
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE1	3	2.49
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE2	3	2.49
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	18	2.48
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	18	2.48
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	18	2.48
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	18	2.48
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	18	2.48
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	18	2.48
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	18	2.48
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	18	2.48
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	18	2.48
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	18	2.48
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	18	2.48
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	18	2.48
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	6	2.47
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	6	2.47
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	6	2.47
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	6	2.47
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	6	2.47
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	6	2.47
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	6	2.47
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	6	2.47
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	6	2.47
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	13	2.46
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	13	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	13	2.46
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	19	2.45
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	19	2.45
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	19	2.45
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	19	2.44
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	19	2.44
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	19	2.44
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	19	2.43
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	19	2.43
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	19	2.43
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	19	2.43
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	19	2.43
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	19	2.43
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	8	2.43
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	8	2.43
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	8	2.43
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	8	2.43
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	8	2.43
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	8	2.43
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	8	2.43
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	8	2.43
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	8	2.43
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	5	2.42
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	5	2.42
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	5	2.42
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	16	2.4
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	16	2.4
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	16	2.4
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	16	2.4
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	16	2.4
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	16	2.4
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	16	2.4
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	16	2.4
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	16	2.4
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	19	2.39
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	19	2.39
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	19	2.39
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	19	2.39
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	19	2.39
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	19	2.39
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	19	2.39
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	19	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	19	2.39
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	15	2.38
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	15	2.38
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	15	2.38
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	17	2.38
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	17	2.38
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	17	2.38
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD11	14	2.38
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD12	14	2.38
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD13	14	2.38
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD11	14	2.38
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD12	14	2.38
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD13	14	2.38
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD11	14	2.38
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD12	14	2.38
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD13	14	2.38
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	9	2.37
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	9	2.37
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	9	2.37
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	17	2.36
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	17	2.36
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	17	2.36
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	17	2.35
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	2	2.34
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	13	2.33
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	14	2.33
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	14	2.33
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	14	2.33
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	19	2.32
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	19	2.32
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	19	2.32
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	16	2.32
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	16	2.32
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	16	2.32
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	14	2.31
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	14	2.31
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	14	2.31
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	14	2.31
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	14	2.31
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	14	2.31
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	14	2.31
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	14	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	14	2.31
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	2	2.31
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	2	2.31
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	2	2.31
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	6	2.31
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	5	2.3
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	5	2.3
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	5	2.3
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	13	2.3
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	13	2.3
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	13	2.3
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	18	2.29
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	18	2.29
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	18	2.29
(1,116)	1:A:42:LEU:HD21	1:A:44:LEU:H	18	2.29
(1,116)	1:A:42:LEU:HD22	1:A:44:LEU:H	18	2.29
(1,116)	1:A:42:LEU:HD23	1:A:44:LEU:H	18	2.29
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	12	2.28
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	18	2.26
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	18	2.26
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	18	2.26
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	18	2.26
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	18	2.26
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	18	2.26
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	18	2.26
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	18	2.26
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	18	2.26
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	18	2.25
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	1	2.24
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	1	2.24
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	1	2.24
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	7	2.24
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	7	2.24
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	7	2.24
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	3	2.22
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	3	2.22
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	3	2.22
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	3	2.22
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	3	2.22
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	3	2.22
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	15	2.22
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	12	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	12	2.2
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	12	2.2
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	12	2.2
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	12	2.2
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	12	2.2
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	6	2.2
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	6	2.2
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	6	2.2
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD21	16	2.2
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD22	16	2.2
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD23	16	2.2
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	10	2.2
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	10	2.2
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	10	2.2
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	14	2.2
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	14	2.2
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	14	2.2
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	15	2.19
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	15	2.19
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	15	2.19
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	14	2.18
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	14	2.18
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	14	2.18
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	3	2.18
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	3	2.18
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	3	2.18
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	8	2.18
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	8	2.18
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	8	2.18
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	13	2.18
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	13	2.18
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	13	2.18
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	8	2.14
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	8	2.14
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	8	2.14
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	16	2.13
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	16	2.13
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	16	2.13
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	12	2.12
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	17	2.11
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	17	2.11
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	17	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	17	2.11
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	17	2.11
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	17	2.11
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	17	2.11
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	17	2.11
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	17	2.11
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	15	2.1
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	15	2.1
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	15	2.1
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	4	2.1
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	4	2.1
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	4	2.1
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	7	2.1
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	7	2.1
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	7	2.1
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	7	2.1
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	7	2.1
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	7	2.1
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	7	2.1
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	7	2.1
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	7	2.1
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	16	2.1
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	15	2.06
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	15	2.06
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	15	2.06
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	15	2.06
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	15	2.06
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	15	2.06
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	15	2.06
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	15	2.06
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	15	2.06
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	1	2.05
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	18	2.05
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	18	2.05
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	18	2.05
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	15	2.05
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	15	2.05
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	15	2.05
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	15	2.05
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	15	2.05
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	15	2.05
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	2	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	2	2.05
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	2	2.05
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	2	2.05
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	2	2.05
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	2	2.05
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	2	2.05
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	2	2.05
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	2	2.05
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	20	2.04
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	20	2.04
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	20	2.04
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	20	2.04
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	20	2.04
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	20	2.04
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	20	2.04
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	20	2.04
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	20	2.04
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	13	2.04
(1,116)	1:A:42:LEU:HD21	1:A:44:LEU:H	3	2.04
(1,116)	1:A:42:LEU:HD22	1:A:44:LEU:H	3	2.04
(1,116)	1:A:42:LEU:HD23	1:A:44:LEU:H	3	2.04
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	6	2.03
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	6	2.03
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	6	2.03
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	6	2.02
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	6	2.02
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	6	2.02
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	6	2.02
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	6	2.02
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	6	2.02
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	7	2.02
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	7	2.02
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	7	2.02
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	7	2.02
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	7	2.02
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	7	2.02
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	15	2.02
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	15	2.02
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	15	2.02
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	18	2.01
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	18	2.01
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	19	2.01
(1,94)	1:A:36:TRP:HE3	1:A:37:GLN:H	6	2.0
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	1	2.0
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	1	2.0
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	1	2.0
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	15	2.0
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	15	2.0
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	15	2.0
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	4	1.99
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	4	1.99
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	4	1.99
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	4	1.99
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	4	1.99
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	4	1.99
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	4	1.99
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	4	1.99
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	4	1.99
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	1	1.99
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	1	1.99
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	1	1.99
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	1	1.99
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	1	1.99
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	1	1.99
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	16	1.99
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	16	1.99
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	16	1.99
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	16	1.99
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	16	1.99
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	16	1.99
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	17	1.98
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	17	1.98
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	17	1.98
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	5	1.98
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	5	1.98
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	5	1.98
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	2	1.96
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	2	1.96
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	2	1.96
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	8	1.96
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	8	1.96
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	8	1.96
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	4	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	4	1.96
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	4	1.96
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	12	1.96
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	12	1.96
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	12	1.96
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	19	1.95
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	19	1.95
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	19	1.95
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	15	1.95
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	15	1.95
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	15	1.95
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	18	1.93
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	8	1.93
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	8	1.93
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	8	1.93
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	8	1.93
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	8	1.93
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	8	1.93
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	8	1.93
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	8	1.93
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	8	1.93
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	3	1.93
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	3	1.93
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	3	1.93
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	3	1.93
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	3	1.93
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	3	1.93
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	3	1.93
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	3	1.93
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	3	1.93
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	3	1.92
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	3	1.92
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	3	1.92
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	20	1.92
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	20	1.92
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	20	1.92
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	19	1.92
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	19	1.92
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	19	1.92
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	3	1.92
(1,870)	1:C:44:LEU:HD11	1:C:62:VAL:HG11	18	1.91
(1,870)	1:C:44:LEU:HD11	1:C:62:VAL:HG12	18	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:C:44:LEU:HD11	1:C:62:VAL:HG13	18	1.91
(1,870)	1:C:44:LEU:HD12	1:C:62:VAL:HG11	18	1.91
(1,870)	1:C:44:LEU:HD12	1:C:62:VAL:HG12	18	1.91
(1,870)	1:C:44:LEU:HD12	1:C:62:VAL:HG13	18	1.91
(1,870)	1:C:44:LEU:HD13	1:C:62:VAL:HG11	18	1.91
(1,870)	1:C:44:LEU:HD13	1:C:62:VAL:HG12	18	1.91
(1,870)	1:C:44:LEU:HD13	1:C:62:VAL:HG13	18	1.91
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	16	1.91
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	16	1.91
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	16	1.91
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	6	1.9
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	6	1.9
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	6	1.9
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	6	1.9
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	6	1.9
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	6	1.9
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	6	1.9
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	6	1.9
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	6	1.9
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	5	1.89
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	5	1.89
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	5	1.89
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	5	1.89
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	5	1.89
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	5	1.89
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	5	1.89
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	5	1.89
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	5	1.89
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	9	1.89
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	9	1.89
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	9	1.89
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	15	1.89
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	15	1.89
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	15	1.89
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	15	1.89
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	15	1.89
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	15	1.89
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	15	1.89
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	15	1.89
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	15	1.89
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	17	1.88
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	17	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	17	1.88
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	17	1.88
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	17	1.88
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	17	1.88
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	17	1.88
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	17	1.88
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	17	1.88
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	19	1.88
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	19	1.88
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	19	1.88
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	19	1.88
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	19	1.88
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	19	1.88
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	19	1.88
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	19	1.88
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	19	1.88
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	19	1.88
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	19	1.88
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	19	1.88
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	19	1.88
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	19	1.88
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	19	1.88
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	19	1.88
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	19	1.88
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	19	1.88
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	6	1.88
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	6	1.88
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	6	1.88
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	15	1.88
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	15	1.88
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	15	1.88
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	15	1.88
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	15	1.88
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	15	1.88
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	15	1.88
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	15	1.88
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	15	1.88
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	13	1.88
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	19	1.85
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	19	1.85
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	19	1.85
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	19	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	19	1.85
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	19	1.85
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	19	1.85
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	19	1.85
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	19	1.85
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	16	1.85
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	16	1.85
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	16	1.85
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	3	1.84
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	14	1.83
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	14	1.83
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	14	1.83
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	14	1.83
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	14	1.83
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	14	1.83
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	6	1.83
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	6	1.83
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	6	1.83
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	17	1.83
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	17	1.83
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	17	1.83
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	17	1.83
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	17	1.83
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	17	1.83
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	6	1.83
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	15	1.83
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	15	1.83
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	15	1.83
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	6	1.82
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	9	1.82
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	9	1.82
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	9	1.82
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	16	1.82
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	16	1.82
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	16	1.82
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	4	1.81
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	4	1.81
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	4	1.81
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	4	1.81
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	4	1.81
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	4	1.81
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	20	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	20	1.81
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	20	1.81
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	19	1.81
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	19	1.81
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	19	1.81
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	16	1.81
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	16	1.81
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	16	1.81
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	12	1.81
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	12	1.81
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	12	1.81
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	8	1.79
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	8	1.79
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	8	1.79
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	14	1.79
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	14	1.79
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	14	1.79
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	10	1.79
(1,116)	1:A:42:LEU:HD21	1:A:44:LEU:H	7	1.79
(1,116)	1:A:42:LEU:HD22	1:A:44:LEU:H	7	1.79
(1,116)	1:A:42:LEU:HD23	1:A:44:LEU:H	7	1.79
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	18	1.79
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	18	1.79
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	18	1.79
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	18	1.79
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	18	1.79
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	18	1.79
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	18	1.79
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	18	1.79
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	18	1.79
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	16	1.78
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	16	1.78
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	16	1.78
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	12	1.78
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	12	1.78
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	12	1.78
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	6	1.78
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	6	1.78
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	6	1.78
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	20	1.78
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	20	1.78
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	20	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	20	1.78
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	20	1.78
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	20	1.78
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	20	1.78
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	20	1.78
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	20	1.78
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	13	1.77
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	13	1.77
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	13	1.77
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	5	1.77
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	5	1.77
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	5	1.77
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	15	1.77
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	15	1.77
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	15	1.77
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	19	1.76
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	19	1.76
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	19	1.76
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	19	1.76
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	19	1.76
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	19	1.76
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	19	1.76
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	19	1.76
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	19	1.76
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	15	1.76
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	15	1.76
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	15	1.76
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	15	1.76
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	15	1.76
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	15	1.76
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	15	1.76
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	15	1.76
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	15	1.76
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	3	1.76
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	3	1.76
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	3	1.76
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	12	1.75
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	12	1.75
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	12	1.75
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	3	1.74
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	3	1.74
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	3	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	3	1.74
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	3	1.74
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	3	1.74
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	3	1.74
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	3	1.74
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	3	1.74
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	6	1.74
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	6	1.74
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	6	1.74
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	15	1.74
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	4	1.74
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	4	1.74
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	4	1.74
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	13	1.73
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	13	1.73
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	13	1.73
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD11	15	1.73
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD12	15	1.73
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD13	15	1.73
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD11	15	1.73
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD12	15	1.73
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD13	15	1.73
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD11	15	1.73
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD12	15	1.73
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD13	15	1.73
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	3	1.73
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	3	1.73
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	3	1.73
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	15	1.73
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	15	1.73
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	15	1.73
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	15	1.72
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	15	1.72
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	15	1.72
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	18	1.72
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	18	1.72
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	18	1.72
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	7	1.71
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	7	1.71
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	7	1.71
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	7	1.71
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	7	1.71
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	7	1.71
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	7	1.71
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	7	1.71
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	6	1.7
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	6	1.7
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	6	1.7
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	3	1.7
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	3	1.7
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	3	1.7
(1,566)	1:B:60:LEU:HD11	1:B:61:ARG:H	17	1.7
(1,566)	1:B:60:LEU:HD12	1:B:61:ARG:H	17	1.7
(1,566)	1:B:60:LEU:HD13	1:B:61:ARG:H	17	1.7
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	12	1.7
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	12	1.7
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	12	1.7
(1,87)	1:A:32:PHE:HD1	1:A:36:TRP:HZ3	10	1.69
(1,87)	1:A:32:PHE:HD2	1:A:36:TRP:HZ3	10	1.69
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	16	1.69
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	18	1.69
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	18	1.69
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	18	1.69
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	9	1.68
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	9	1.68
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	9	1.68
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	6	1.67
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	6	1.67
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	6	1.67
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	6	1.67
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	6	1.67
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	6	1.67
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	6	1.67
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	6	1.67
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	6	1.67
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	5	1.67
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	13	1.67
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	13	1.67
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	13	1.67
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	3	1.66
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	3	1.66
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	3	1.66
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	3	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	3	1.66
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	3	1.66
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	3	1.66
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	3	1.66
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	3	1.66
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	4	1.66
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	4	1.66
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	4	1.66
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	19	1.65
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	19	1.65
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	19	1.65
(1,535)	1:B:54:ASP:H	1:B:56:TYR:HE1	8	1.65
(1,535)	1:B:54:ASP:H	1:B:56:TYR:HE2	8	1.65
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD21	16	1.65
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD22	16	1.65
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD23	16	1.65
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	17	1.64
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	17	1.64
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	17	1.64
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	20	1.63
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	20	1.63
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	20	1.63
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	9	1.63
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	9	1.63
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	9	1.63
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	3	1.63
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	3	1.63
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	3	1.63
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	4	1.62
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	4	1.62
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	4	1.62
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	10	1.62
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	10	1.62
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	10	1.62
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	15	1.62
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	15	1.62
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	15	1.62
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	13	1.62
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	13	1.62
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	13	1.62
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	10	1.61
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	10	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	10	1.61
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	12	1.61
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	12	1.61
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	12	1.61
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	2	1.61
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	2	1.61
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	2	1.61
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG21	6	1.61
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG22	6	1.61
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG23	6	1.61
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	17	1.6
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	17	1.6
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	17	1.6
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	12	1.6
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	12	1.6
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	12	1.6
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	20	1.59
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	20	1.59
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	20	1.59
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	20	1.59
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	20	1.59
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	20	1.59
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	1	1.59
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	1	1.59
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	1	1.59
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	2	1.59
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	2	1.59
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	2	1.59
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	2	1.59
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	2	1.59
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	2	1.59
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	2	1.59
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	2	1.59
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	2	1.59
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	16	1.58
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	16	1.58
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	16	1.58
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	19	1.58
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	19	1.58
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	19	1.58
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	16	1.57
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	16	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	16	1.57
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	20	1.57
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	20	1.57
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	20	1.57
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	10	1.57
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	10	1.57
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	10	1.57
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG21	20	1.57
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG22	20	1.57
(1,1078)	1:C:116:SER:H	1:C:118:VAL:HG23	20	1.57
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	20	1.56
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	20	1.56
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	20	1.56
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	8	1.56
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	8	1.56
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	8	1.56
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	8	1.56
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	8	1.56
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	8	1.56
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	8	1.56
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	8	1.56
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	8	1.56
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	1	1.56
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	14	1.56
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	6	1.56
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	6	1.56
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	19	1.55
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	19	1.55
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	19	1.55
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	7	1.55
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	7	1.55
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	7	1.55
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD21	2	1.54
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD22	2	1.54
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD23	2	1.54
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD21	2	1.54
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD22	2	1.54
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD23	2	1.54
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD21	2	1.54
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD22	2	1.54
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD23	2	1.54
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	12	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	12	1.53
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	12	1.53
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	16	1.53
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	1	1.53
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	1	1.53
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	1	1.53
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	1	1.53
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	1	1.53
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	1	1.53
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	1	1.53
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	1	1.53
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	1	1.53
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	3	1.53
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	3	1.53
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	3	1.53
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	3	1.53
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	3	1.53
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	3	1.53
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	3	1.53
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	3	1.53
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	3	1.53
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	4	1.53
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	4	1.53
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	4	1.53
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	4	1.53
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	4	1.53
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	4	1.53
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	4	1.53
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	4	1.53
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	4	1.53
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	16	1.53
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	16	1.53
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	16	1.53
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	2	1.52
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	2	1.52
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	2	1.52
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	2	1.52
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	2	1.52
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	2	1.52
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	2	1.52
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	2	1.52
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	9	1.52
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	9	1.52
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	9	1.52
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	9	1.52
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	9	1.52
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	9	1.52
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	9	1.52
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	9	1.52
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	9	1.52
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	7	1.52
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	7	1.52
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	7	1.52
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	12	1.52
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	12	1.52
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	12	1.52
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	2	1.52
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	2	1.52
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	2	1.52
(1,116)	1:A:42:LEU:HD21	1:A:44:LEU:H	1	1.52
(1,116)	1:A:42:LEU:HD22	1:A:44:LEU:H	1	1.52
(1,116)	1:A:42:LEU:HD23	1:A:44:LEU:H	1	1.52
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	1	1.52
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	1	1.52
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	1	1.52
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	8	1.51
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	8	1.51
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	8	1.51
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	8	1.51
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	8	1.51
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	8	1.51
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	8	1.51
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	8	1.51
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	8	1.51
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	4	1.51
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	20	1.5
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	20	1.5
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	20	1.5
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	19	1.5
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	19	1.5
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	19	1.5
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	16	1.5
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	16	1.5
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	16	1.5
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	16	1.5
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	16	1.5
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	16	1.5
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	16	1.5
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	16	1.5
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	4	1.49
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	4	1.49
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	4	1.49
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	6	1.49
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	6	1.49
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	6	1.49
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	6	1.49
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	6	1.49
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	6	1.49
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	6	1.49
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	6	1.49
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	6	1.49
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	17	1.49
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	17	1.49
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	17	1.49
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	7	1.48
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	7	1.48
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	7	1.48
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	3	1.48
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	3	1.48
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	3	1.48
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	3	1.48
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	3	1.48
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	3	1.48
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	3	1.48
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	3	1.48
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	3	1.48
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	3	1.48
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	3	1.48
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	3	1.48
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	3	1.48
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	3	1.48
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	3	1.48
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	3	1.48
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	3	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	3	1.48
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	20	1.48
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	20	1.48
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	20	1.48
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	20	1.48
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	20	1.48
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	20	1.48
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	20	1.48
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	20	1.48
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	20	1.48
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	14	1.48
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	14	1.48
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	15	1.47
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	15	1.47
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	15	1.47
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	15	1.47
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	15	1.47
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	15	1.47
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	15	1.47
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	15	1.47
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	15	1.47
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	6	1.47
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	6	1.47
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	6	1.47
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	16	1.46
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	16	1.46
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	16	1.46
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	16	1.46
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	16	1.46
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	16	1.46
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	16	1.46
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	16	1.46
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	16	1.46
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	2	1.46
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	2	1.46
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	2	1.46
(1,538)	1:B:55:VAL:H	1:B:56:TYR:HE1	8	1.46
(1,538)	1:B:55:VAL:H	1:B:56:TYR:HE2	8	1.46
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	20	1.46
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	20	1.46
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	20	1.46
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	2	1.46
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	2	1.46
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	2	1.46
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	2	1.46
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	2	1.46
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	2	1.46
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	2	1.46
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	2	1.46
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	2	1.46
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	17	1.46
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	17	1.46
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	17	1.46
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	2	1.46
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	16	1.46
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	16	1.46
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	16	1.46
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	7	1.45
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	7	1.45
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	7	1.45
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	7	1.45
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	7	1.45
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	7	1.45
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	7	1.45
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	7	1.45
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	7	1.45
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	6	1.45
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	6	1.45
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	6	1.45
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	4	1.45
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	4	1.45
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	4	1.45
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	19	1.45
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	19	1.45
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	19	1.45
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	19	1.45
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	12	1.45
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	17	1.45
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	17	1.45
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	17	1.45
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	2	1.44
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	2	1.44
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	2	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	6	1.44
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	6	1.44
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	6	1.44
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	6	1.44
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	6	1.44
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	6	1.44
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	6	1.44
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	6	1.44
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	6	1.44
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	10	1.44
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	10	1.44
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	10	1.44
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	10	1.44
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	10	1.44
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	10	1.44
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	10	1.44
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	10	1.44
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	10	1.44
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	10	1.44
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	14	1.43
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	14	1.43
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	14	1.43
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	8	1.43
(1,872)	1:C:44:LEU:HD11	1:C:63:THR:H	18	1.42
(1,872)	1:C:44:LEU:HD12	1:C:63:THR:H	18	1.42
(1,872)	1:C:44:LEU:HD13	1:C:63:THR:H	18	1.42
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	13	1.42
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	16	1.41
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	16	1.41
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	16	1.41
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	16	1.41
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	16	1.41
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	16	1.41
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	16	1.41
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	16	1.41
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	16	1.41
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	20	1.41
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	20	1.41
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	20	1.41
(1,114)	1:A:42:LEU:HD11	1:A:128:LEU:HD21	1	1.41
(1,114)	1:A:42:LEU:HD11	1:A:128:LEU:HD22	1	1.41
(1,114)	1:A:42:LEU:HD11	1:A:128:LEU:HD23	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:A:42:LEU:HD12	1:A:128:LEU:HD21	1	1.41
(1,114)	1:A:42:LEU:HD12	1:A:128:LEU:HD22	1	1.41
(1,114)	1:A:42:LEU:HD12	1:A:128:LEU:HD23	1	1.41
(1,114)	1:A:42:LEU:HD13	1:A:128:LEU:HD21	1	1.41
(1,114)	1:A:42:LEU:HD13	1:A:128:LEU:HD22	1	1.41
(1,114)	1:A:42:LEU:HD13	1:A:128:LEU:HD23	1	1.41
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	4	1.4
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	4	1.4
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	4	1.4
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	4	1.4
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	4	1.4
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	4	1.4
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	4	1.4
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	4	1.4
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	4	1.4
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	7	1.4
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	7	1.4
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	7	1.4
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	12	1.4
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE1	8	1.4
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE2	8	1.4
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE1	8	1.4
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE2	8	1.4
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE1	8	1.4
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE2	8	1.4
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	5	1.39
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	5	1.39
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	5	1.39
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	9	1.39
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	9	1.39
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	9	1.39
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	9	1.39
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	9	1.39
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	9	1.39
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	9	1.39
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	9	1.39
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	9	1.39
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	12	1.39
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	18	1.39
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD21	20	1.39
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD22	20	1.39
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD23	20	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD21	20	1.39
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD22	20	1.39
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD23	20	1.39
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD21	20	1.39
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD22	20	1.39
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD23	20	1.39
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	7	1.39
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	7	1.39
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	7	1.39
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	7	1.38
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	7	1.38
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	7	1.38
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	18	1.38
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	2	1.38
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	2	1.38
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	2	1.38
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	8	1.38
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	8	1.38
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	8	1.38
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	8	1.38
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	8	1.38
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	8	1.38
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	8	1.38
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	8	1.38
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	8	1.38
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	6	1.38
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	6	1.38
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	6	1.38
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	14	1.38
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	14	1.38
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	14	1.38
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	4	1.38
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	4	1.38
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	4	1.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	17	1.37
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	17	1.37
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	17	1.37
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	17	1.37
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	17	1.37
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	17	1.37
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	17	1.37
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	17	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	17	1.37
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	2	1.37
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	2	1.37
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	2	1.37
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	2	1.37
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	2	1.37
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	2	1.37
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	12	1.37
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	12	1.37
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	12	1.37
(1,1291)	1:D:60:LEU:HD11	1:D:61:ARG:H	15	1.37
(1,1291)	1:D:60:LEU:HD12	1:D:61:ARG:H	15	1.37
(1,1291)	1:D:60:LEU:HD13	1:D:61:ARG:H	15	1.37
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	17	1.37
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	15	1.36
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	15	1.36
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	15	1.36
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	14	1.36
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	16	1.36
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	16	1.36
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	16	1.36
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	18	1.36
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	18	1.36
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	18	1.36
(1,1291)	1:D:60:LEU:HD11	1:D:61:ARG:H	13	1.36
(1,1291)	1:D:60:LEU:HD12	1:D:61:ARG:H	13	1.36
(1,1291)	1:D:60:LEU:HD13	1:D:61:ARG:H	13	1.36
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	18	1.36
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	18	1.36
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	18	1.36
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	16	1.36
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD1	3	1.36
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD2	3	1.36
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD1	3	1.36
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD2	3	1.36
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD1	3	1.36
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD2	3	1.36
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	16	1.36
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	16	1.36
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	16	1.36
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	18	1.35
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	4	1.35
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	4	1.35
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	4	1.35
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	4	1.35
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	4	1.35
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	4	1.35
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	4	1.35
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	4	1.35
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	9	1.35
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	4	1.35
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	6	1.34
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	6	1.34
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	6	1.34
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	9	1.34
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	9	1.34
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	9	1.34
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	9	1.34
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	9	1.34
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	9	1.34
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	14	1.34
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	14	1.34
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	14	1.34
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	9	1.34
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	9	1.34
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	9	1.34
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	7	1.34
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	6	1.34
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	6	1.34
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	6	1.34
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	7	1.33
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	7	1.33
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	7	1.33
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	7	1.33
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	7	1.33
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	7	1.33
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	7	1.33
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	7	1.33
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	7	1.33
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD21	5	1.33
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD22	5	1.33
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD23	5	1.33
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD21	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD22	5	1.33
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD23	5	1.33
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD21	5	1.33
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD22	5	1.33
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD23	5	1.33
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD11	10	1.32
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD12	10	1.32
(1,866)	1:C:43:ASP:H	1:C:44:LEU:HD13	10	1.32
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	4	1.32
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	4	1.32
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	4	1.32
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	17	1.32
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	17	1.32
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	17	1.32
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	17	1.32
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	17	1.32
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	17	1.32
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	17	1.32
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	17	1.32
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	17	1.32
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	3	1.32
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	3	1.32
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	3	1.32
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	16	1.32
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	6	1.32
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	6	1.32
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	1	1.31
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	1	1.31
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	1	1.31
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	1	1.31
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	1	1.31
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	1	1.31
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	1	1.31
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	1	1.31
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	1	1.31
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	1	1.31
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	1	1.31
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	1	1.31
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	3	1.31
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	3	1.31
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	3	1.31
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	5	1.31
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	5	1.31
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	20	1.3
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	20	1.3
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	20	1.3
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	8	1.29
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	11	1.29
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	20	1.29
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	20	1.29
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	20	1.29
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	20	1.29
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	20	1.29
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	20	1.29
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	20	1.29
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	20	1.29
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	20	1.29
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	3	1.28
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	3	1.28
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	3	1.28
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	10	1.28
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	10	1.28
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	10	1.28
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	2	1.28
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG21	9	1.28
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG22	9	1.28
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG23	9	1.28
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG21	9	1.28
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG22	9	1.28
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG23	9	1.28
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG21	9	1.28
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG22	9	1.28
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG23	9	1.28
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	1	1.27
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	1	1.27
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	1	1.27
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	1	1.27
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	1	1.27
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	1	1.27
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	1	1.27
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	1	1.27
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	1	1.27
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	3	1.27
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	3	1.27
(1,475)	1:B:36:TRP:HE3	1:B:37:GLN:H	10	1.27
(1,194)	1:A:60:LEU:HD11	1:A:61:ARG:H	14	1.27
(1,194)	1:A:60:LEU:HD12	1:A:61:ARG:H	14	1.27
(1,194)	1:A:60:LEU:HD13	1:A:61:ARG:H	14	1.27
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	16	1.27
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	16	1.27
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	16	1.27
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	16	1.27
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	16	1.27
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	16	1.27
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	16	1.27
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	16	1.27
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	16	1.27
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	4	1.26
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	4	1.26
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	4	1.26
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	4	1.26
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	4	1.26
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	4	1.26
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	6	1.26
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	6	1.26
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	6	1.26
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	9	1.26
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	9	1.26
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	9	1.26
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	18	1.26
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	18	1.26
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	18	1.26
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	1	1.26
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	1	1.26
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	1	1.26
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	3	1.26
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	3	1.26
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	3	1.26
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	1	1.26
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	1	1.26
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	1	1.26
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	1	1.26
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	1	1.26
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	1	1.26
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	1	1.26
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	1	1.26
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	20	1.26
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	10	1.26
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	8	1.25
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	8	1.25
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	8	1.25
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	18	1.25
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	18	1.25
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	18	1.25
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	8	1.25
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	8	1.25
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	8	1.25
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	8	1.25
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	8	1.25
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	8	1.25
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	17	1.25
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	17	1.25
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	17	1.25
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	17	1.25
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	17	1.25
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	17	1.25
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	17	1.25
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	17	1.25
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	17	1.25
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	19	1.25
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	1	1.25
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	1	1.25
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	1	1.25
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	12	1.24
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	12	1.24
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	12	1.24
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	12	1.24
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	12	1.24
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	12	1.24
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	12	1.24
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	12	1.24
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	12	1.24
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	15	1.24
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	15	1.24
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	19	1.24
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	5	1.24
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	4	1.24
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	4	1.24
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	4	1.24
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	3	1.24
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	6	1.24
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	6	1.24
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	6	1.24
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	2	1.24
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	2	1.24
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	2	1.24
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	14	1.24
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	14	1.24
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	14	1.24
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	20	1.23
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	20	1.23
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	20	1.23
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	20	1.23
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	20	1.23
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	20	1.23
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	20	1.23
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	20	1.23
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	20	1.23
(1,78)	1:A:31:VAL:HG11	1:A:123:PHE:HE1	20	1.23
(1,78)	1:A:31:VAL:HG11	1:A:123:PHE:HE2	20	1.23
(1,78)	1:A:31:VAL:HG12	1:A:123:PHE:HE1	20	1.23
(1,78)	1:A:31:VAL:HG12	1:A:123:PHE:HE2	20	1.23
(1,78)	1:A:31:VAL:HG13	1:A:123:PHE:HE1	20	1.23
(1,78)	1:A:31:VAL:HG13	1:A:123:PHE:HE2	20	1.23
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	7	1.23
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	7	1.23
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	7	1.23
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	7	1.23
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	7	1.23
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	7	1.23
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	7	1.23
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	7	1.23
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	7	1.23
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD21	17	1.23
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD22	17	1.23
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD23	17	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD11	20	1.23
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD12	20	1.23
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD13	20	1.23
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD11	20	1.23
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD12	20	1.23
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD13	20	1.23
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD11	20	1.23
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD12	20	1.23
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD13	20	1.23
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	18	1.23
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	1	1.22
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	1	1.22
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	1	1.22
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	11	1.22
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	11	1.22
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	11	1.22
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	10	1.22
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	10	1.22
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	10	1.22
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	5	1.22
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD11	6	1.22
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD12	6	1.22
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD13	6	1.22
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD11	6	1.22
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD12	6	1.22
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD13	6	1.22
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD11	6	1.22
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD12	6	1.22
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD13	6	1.22
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	16	1.22
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	16	1.22
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	16	1.22
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	16	1.22
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	16	1.22
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	16	1.22
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	16	1.22
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	16	1.22
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	16	1.22
(1,941)	1:C:60:LEU:HD11	1:C:61:ARG:H	13	1.21
(1,941)	1:C:60:LEU:HD12	1:C:61:ARG:H	13	1.21
(1,941)	1:C:60:LEU:HD13	1:C:61:ARG:H	13	1.21
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	14	1.21
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	14	1.21
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	14	1.21
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	14	1.21
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	14	1.21
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	14	1.21
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	14	1.21
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	14	1.21
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	17	1.21
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	7	1.21
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	7	1.21
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	7	1.21
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	5	1.21
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	5	1.21
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	5	1.21
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	5	1.21
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	5	1.21
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	5	1.21
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	5	1.21
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	5	1.21
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	5	1.21
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	8	1.21
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	8	1.21
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	8	1.21
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	8	1.21
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	8	1.21
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	8	1.21
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	8	1.21
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	8	1.21
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	8	1.21
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	18	1.21
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	3	1.21
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	12	1.21
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	4	1.21
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	4	1.21
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	4	1.21
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	4	1.21
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	4	1.21
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	4	1.21
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	4	1.21
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	4	1.21
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	4	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	6	1.2
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	2	1.2
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	2	1.2
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	2	1.2
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	2	1.2
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	2	1.2
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	2	1.2
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	2	1.2
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	2	1.2
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	2	1.2
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	13	1.2
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	13	1.2
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	13	1.2
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD11	3	1.2
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD12	3	1.2
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD13	3	1.2
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD11	3	1.2
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD12	3	1.2
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD13	3	1.2
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD11	3	1.2
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD12	3	1.2
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD13	3	1.2
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB1	16	1.19
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB2	16	1.19
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB3	16	1.19
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB1	16	1.19
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB2	16	1.19
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB3	16	1.19
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB1	16	1.19
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB2	16	1.19
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB3	16	1.19
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	13	1.19
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	13	1.19
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	4	1.19
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	4	1.19
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	4	1.19
(1,941)	1:C:60:LEU:HD11	1:C:61:ARG:H	4	1.18
(1,941)	1:C:60:LEU:HD12	1:C:61:ARG:H	4	1.18
(1,941)	1:C:60:LEU:HD13	1:C:61:ARG:H	4	1.18
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	4	1.18
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	5	1.18
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	5	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	5	1.18
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	5	1.18
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	5	1.18
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	5	1.18
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	5	1.18
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	5	1.18
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	5	1.18
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	12	1.17
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	12	1.17
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	12	1.17
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	12	1.17
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	12	1.17
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	12	1.17
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	12	1.17
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	12	1.17
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	12	1.17
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	13	1.17
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	10	1.17
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	10	1.17
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	10	1.17
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	1	1.17
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	1	1.17
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	1	1.17
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	12	1.17
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	12	1.17
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	12	1.17
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG21	6	1.17
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG22	6	1.17
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG23	6	1.17
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	8	1.16
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	8	1.16
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	8	1.16
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	8	1.16
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	8	1.16
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	8	1.16
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	8	1.16
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	8	1.16
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	8	1.16
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	9	1.16
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	9	1.16
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	9	1.16
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	9	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	9	1.16
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	9	1.16
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE1	10	1.16
(1,741)	1:B:136:LEU:HD21	1:B:137:PHE:HE2	10	1.16
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE1	10	1.16
(1,741)	1:B:136:LEU:HD22	1:B:137:PHE:HE2	10	1.16
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE1	10	1.16
(1,741)	1:B:136:LEU:HD23	1:B:137:PHE:HE2	10	1.16
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	8	1.16
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	8	1.16
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	8	1.16
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	8	1.16
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	8	1.16
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	8	1.16
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	8	1.16
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	8	1.16
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	8	1.16
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	10	1.16
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	10	1.16
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	10	1.16
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	10	1.16
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	10	1.16
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	10	1.16
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	10	1.16
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	10	1.16
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	10	1.16
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	18	1.16
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	18	1.16
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	18	1.16
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	9	1.15
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	9	1.15
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	9	1.15
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	9	1.15
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	9	1.15
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	9	1.15
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	9	1.15
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	9	1.15
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	9	1.15
(1,87)	1:A:32:PHE:HD1	1:A:36:TRP:HZ3	2	1.15
(1,87)	1:A:32:PHE:HD2	1:A:36:TRP:HZ3	2	1.15
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD11	17	1.15
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD12	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:B:45:ASP:H	1:B:60:LEU:HD13	17	1.15
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	14	1.15
(1,475)	1:B:36:TRP:HE3	1:B:37:GLN:H	9	1.15
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	7	1.15
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	6	1.15
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	2	1.15
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	2	1.15
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	2	1.15
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	17	1.15
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	17	1.15
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	17	1.15
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	10	1.14
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	10	1.14
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	10	1.14
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	1	1.14
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	1	1.14
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	1	1.14
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	1	1.14
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	1	1.14
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	1	1.14
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	1	1.14
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	1	1.14
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	1	1.14
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	4	1.14
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	4	1.14
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	4	1.14
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	4	1.14
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	4	1.14
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	4	1.14
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	4	1.14
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	4	1.14
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	4	1.14
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD21	17	1.14
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD22	17	1.14
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD23	17	1.14
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD21	17	1.14
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD22	17	1.14
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD23	17	1.14
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD21	17	1.14
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD22	17	1.14
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD23	17	1.14
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG11	6	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG12	6	1.13
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG13	6	1.13
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG11	6	1.13
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG12	6	1.13
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG13	6	1.13
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG11	6	1.13
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG12	6	1.13
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG13	6	1.13
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	7	1.13
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	16	1.13
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	16	1.13
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	16	1.13
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	19	1.13
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	19	1.13
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	19	1.13
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	20	1.13
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	20	1.13
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	20	1.13
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	14	1.13
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	14	1.13
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	14	1.13
(1,181)	1:A:58:VAL:HG11	1:A:60:LEU:HD21	9	1.13
(1,181)	1:A:58:VAL:HG11	1:A:60:LEU:HD22	9	1.13
(1,181)	1:A:58:VAL:HG11	1:A:60:LEU:HD23	9	1.13
(1,181)	1:A:58:VAL:HG12	1:A:60:LEU:HD21	9	1.13
(1,181)	1:A:58:VAL:HG12	1:A:60:LEU:HD22	9	1.13
(1,181)	1:A:58:VAL:HG12	1:A:60:LEU:HD23	9	1.13
(1,181)	1:A:58:VAL:HG13	1:A:60:LEU:HD21	9	1.13
(1,181)	1:A:58:VAL:HG13	1:A:60:LEU:HD22	9	1.13
(1,181)	1:A:58:VAL:HG13	1:A:60:LEU:HD23	9	1.13
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	7	1.13
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	7	1.13
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	7	1.13
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	7	1.13
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	7	1.13
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	7	1.13
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	7	1.13
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	7	1.13
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	7	1.13
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	14	1.13
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	16	1.12
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	9	1.12
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	7	1.12
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	7	1.12
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	7	1.12
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	14	1.12
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	14	1.12
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	14	1.12
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	18	1.12
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	18	1.12
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	18	1.12
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	20	1.12
(1,94)	1:A:36:TRP:HE3	1:A:37:GLN:H	2	1.11
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	19	1.11
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	19	1.11
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	19	1.11
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	19	1.11
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	19	1.11
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	19	1.11
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	20	1.11
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	20	1.11
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	20	1.11
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	20	1.11
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	20	1.11
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	20	1.11
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	20	1.11
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	20	1.11
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	20	1.11
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	9	1.11
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	12	1.11
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	12	1.11
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	12	1.11
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	16	1.11
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	16	1.11
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	16	1.11
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	16	1.11
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	16	1.11
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	16	1.11
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	16	1.11
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	16	1.11
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	16	1.11
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	5	1.11
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	5	1.11
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	5	1.11
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	5	1.11
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	5	1.11
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	5	1.11
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	5	1.11
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	5	1.11
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	2	1.1
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	2	1.1
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	2	1.1
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	2	1.1
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	2	1.1
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	2	1.1
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	2	1.1
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	2	1.1
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	2	1.1
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	6	1.1
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	18	1.09
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	18	1.09
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	18	1.09
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	18	1.09
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	18	1.09
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	18	1.09
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	18	1.09
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	18	1.09
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	18	1.09
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	20	1.09
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	20	1.09
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	20	1.09
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	4	1.09
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	4	1.09
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	4	1.09
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	13	1.09
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	2	1.09
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	2	1.09
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	12	1.09
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	12	1.09
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	12	1.09
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	12	1.09
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	12	1.09
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	12	1.09
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	8	1.08
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	8	1.08
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	8	1.08
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	8	1.08
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	8	1.08
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	8	1.08
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	8	1.08
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	8	1.08
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	5	1.08
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	5	1.08
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	5	1.08
(1,709)	1:B:118:VAL:HG21	1:B:123:PHE:H	16	1.08
(1,709)	1:B:118:VAL:HG22	1:B:123:PHE:H	16	1.08
(1,709)	1:B:118:VAL:HG23	1:B:123:PHE:H	16	1.08
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	12	1.08
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	12	1.08
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	12	1.08
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	12	1.08
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	12	1.08
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	12	1.08
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	12	1.08
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	12	1.08
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	12	1.08
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	7	1.08
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	17	1.08
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	16	1.08
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	19	1.07
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	19	1.07
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	19	1.07
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	19	1.07
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	19	1.07
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	19	1.07
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	19	1.07
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	19	1.07
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	19	1.07
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	2	1.07
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	2	1.07
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	2	1.07
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	2	1.07
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	2	1.07
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	2	1.07
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	2	1.07
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	2	1.07
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	18	1.07
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	18	1.07
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	18	1.07
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	20	1.07
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG21	20	1.07
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG22	20	1.07
(1,1081)	1:C:117:MET:H	1:C:118:VAL:HG23	20	1.07
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	5	1.06
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	5	1.06
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	5	1.06
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	17	1.06
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	17	1.06
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	17	1.06
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	9	1.06
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	9	1.06
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	9	1.06
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	9	1.06
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	9	1.06
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	9	1.06
(1,1098)	1:C:126:LEU:HD11	1:C:127:ASN:H	20	1.06
(1,1098)	1:C:126:LEU:HD12	1:C:127:ASN:H	20	1.06
(1,1098)	1:C:126:LEU:HD13	1:C:127:ASN:H	20	1.06
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	15	1.05
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	7	1.05
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	7	1.05
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	7	1.05
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	9	1.05
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	9	1.05
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	9	1.05
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	16	1.05
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	16	1.05
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	16	1.05
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	2	1.05
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	2	1.05
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	2	1.05
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	14	1.05
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	14	1.05
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	14	1.05
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	1	1.05
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	7	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	13	1.05
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	5	1.05
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	9	1.05
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	7	1.04
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	7	1.04
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	7	1.04
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	7	1.04
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	7	1.04
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	7	1.04
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	20	1.04
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	20	1.04
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	20	1.04
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	20	1.04
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	20	1.04
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	20	1.04
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	14	1.04
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	14	1.04
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	14	1.04
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	11	1.04
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD21	16	1.04
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD22	16	1.04
(1,1193)	1:D:31:VAL:HG11	1:D:68:LEU:HD23	16	1.04
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD21	16	1.04
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD22	16	1.04
(1,1193)	1:D:31:VAL:HG12	1:D:68:LEU:HD23	16	1.04
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD21	16	1.04
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD22	16	1.04
(1,1193)	1:D:31:VAL:HG13	1:D:68:LEU:HD23	16	1.04
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	1	1.03
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	1	1.03
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	1	1.03
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	1	1.03
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	1	1.03
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	1	1.03
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	1	1.03
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	1	1.03
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	1	1.03
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	9	1.03
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	9	1.03
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	9	1.03
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	9	1.03
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	9	1.03
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	9	1.03
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	9	1.03
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	9	1.03
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	17	1.03
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	17	1.03
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	17	1.03
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	10	1.03
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	10	1.03
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	10	1.03
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	1	1.02
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	1	1.02
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	1	1.02
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	1	1.02
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	13	1.02
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	13	1.02
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	13	1.02
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	3	1.02
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	4	1.02
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	1	1.02
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	1	1.02
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	1	1.02
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	19	1.01
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	19	1.01
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	19	1.01
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	18	1.01
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	18	1.01
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	18	1.01
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	17	1.01
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	17	1.01
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	17	1.01
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	17	1.01
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	17	1.01
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	17	1.01
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	17	1.01
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	17	1.01
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	17	1.01
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	15	1.01
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	6	1.01
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	6	1.01
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	6	1.01
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	6	1.01
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	6	1.01
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	6	1.01
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	6	1.01
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	6	1.01
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	12	1.01
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	20	1.0
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	20	1.0
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	20	1.0
(1,941)	1:C:60:LEU:HD11	1:C:61:ARG:H	14	1.0
(1,941)	1:C:60:LEU:HD12	1:C:61:ARG:H	14	1.0
(1,941)	1:C:60:LEU:HD13	1:C:61:ARG:H	14	1.0
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	2	1.0
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	2	1.0
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	2	1.0
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	15	1.0
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	3	1.0
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	3	1.0
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	3	1.0
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	13	1.0
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	13	1.0
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	13	1.0
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	19	1.0
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	18	1.0
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	18	1.0
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	18	1.0
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	3	1.0
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	3	1.0
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	3	1.0
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	9	0.99
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	9	0.99
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	9	0.99
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	9	0.99
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	9	0.99
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	9	0.99
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	9	0.99
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	9	0.99
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	9	0.99
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	9	0.99
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	9	0.99
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	9	0.99
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	15	0.99
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	15	0.99
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	4	0.99
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	4	0.99
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	4	0.99
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	4	0.99
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	4	0.99
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	4	0.99
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	4	0.99
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	4	0.99
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	4	0.99
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	13	0.99
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	13	0.99
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	13	0.99
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	13	0.99
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	13	0.99
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	13	0.99
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	13	0.99
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	13	0.99
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	13	0.99
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	16	0.99
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	3	0.99
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	3	0.99
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	3	0.99
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	3	0.99
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	3	0.99
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	3	0.99
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	3	0.99
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	3	0.99
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	3	0.99
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	6	0.99
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	6	0.99
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	6	0.99
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	6	0.99
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	6	0.99
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	6	0.99
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	6	0.99
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	6	0.99
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	6	0.99
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD11	3	0.99
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD12	3	0.99
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD13	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD11	3	0.99
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD12	3	0.99
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD13	3	0.99
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD11	3	0.99
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD12	3	0.99
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD13	3	0.99
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	15	0.99
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	15	0.99
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	15	0.99
(1,94)	1:A:36:TRP:HE3	1:A:37:GLN:H	10	0.98
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	16	0.98
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	16	0.98
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	16	0.98
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	16	0.98
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	16	0.98
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	16	0.98
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	16	0.98
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	16	0.98
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	16	0.98
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	6	0.98
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	6	0.98
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	6	0.98
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	4	0.98
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	4	0.98
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	4	0.98
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	19	0.98
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	13	0.98
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	13	0.98
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	13	0.98
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	13	0.98
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	13	0.98
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	13	0.98
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	13	0.98
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	13	0.98
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	13	0.98
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	19	0.98
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	3	0.98
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	3	0.98
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	3	0.98
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	3	0.98
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	3	0.98
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	3	0.98
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	3	0.98
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	3	0.98
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	6	0.98
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	8	0.98
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	8	0.98
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	8	0.98
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	6	0.98
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	6	0.98
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	6	0.98
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	3	0.97
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	3	0.97
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	3	0.97
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	1	0.97
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	10	0.97
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	10	0.97
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	10	0.97
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	12	0.97
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	12	0.97
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	12	0.97
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	12	0.97
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	12	0.97
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	12	0.97
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	12	0.97
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	12	0.97
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	12	0.97
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	2	0.97
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	2	0.97
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	2	0.97
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	2	0.97
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	2	0.97
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	2	0.97
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	2	0.97
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	2	0.97
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	2	0.97
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD11	2	0.97
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD12	2	0.97
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD13	2	0.97
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD11	2	0.97
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD12	2	0.97
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD13	2	0.97
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD11	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD12	2	0.97
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD13	2	0.97
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	3	0.97
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	3	0.97
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	3	0.97
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	3	0.97
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	3	0.97
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	3	0.97
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	7	0.97
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	10	0.97
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	10	0.97
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	10	0.97
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	2	0.96
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	2	0.96
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	2	0.96
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	7	0.96
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	7	0.96
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	7	0.96
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	15	0.96
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	15	0.96
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	15	0.96
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	13	0.96
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	13	0.96
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	13	0.96
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	13	0.96
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	13	0.96
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	13	0.96
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	14	0.96
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	14	0.96
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	14	0.96
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	14	0.96
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	14	0.96
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	14	0.96
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	14	0.96
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	14	0.96
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	14	0.96
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	2	0.96
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	10	0.96
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	18	0.96
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	7	0.96
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	7	0.96
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	16	0.96
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	16	0.96
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	12	0.96
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	12	0.96
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	12	0.96
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	12	0.96
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	12	0.96
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	12	0.96
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	12	0.96
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	12	0.96
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	12	0.96
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	18	0.96
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	15	0.96
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	15	0.96
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	15	0.96
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	17	0.96
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	17	0.96
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	17	0.96
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	18	0.95
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	18	0.95
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	18	0.95
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	18	0.95
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	18	0.95
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	18	0.95
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	18	0.95
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	18	0.95
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	18	0.95
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	1	0.95
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	3	0.95
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	7	0.95
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	7	0.95
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	7	0.95
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	7	0.95
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	7	0.95
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	7	0.95
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	7	0.95
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	7	0.95
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	7	0.95
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	7	0.95
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	7	0.95
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	7	0.95
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	7	0.95
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	7	0.95
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	7	0.95
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	7	0.95
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	7	0.95
(1,1215)	1:D:39:GLU:H	1:D:67:SER:H	20	0.95
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	16	0.95
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	8	0.95
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	13	0.95
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	2	0.95
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	2	0.95
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	2	0.95
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	18	0.95
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	18	0.95
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	18	0.95
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	9	0.94
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	15	0.94
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	15	0.94
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	15	0.94
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	15	0.94
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	17	0.94
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	5	0.94
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	5	0.94
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	5	0.94
(1,872)	1:C:44:LEU:HD11	1:C:63:THR:H	9	0.93
(1,872)	1:C:44:LEU:HD12	1:C:63:THR:H	9	0.93
(1,872)	1:C:44:LEU:HD13	1:C:63:THR:H	9	0.93
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	17	0.93
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	17	0.93
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	17	0.93
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	17	0.93
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	17	0.93
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	17	0.93
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	17	0.93
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	17	0.93
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	17	0.93
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	4	0.93
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	4	0.93
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	4	0.93
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	9	0.93
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	9	0.93
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	9	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	15	0.93
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	17	0.93
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	17	0.93
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	17	0.93
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	8	0.93
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	8	0.93
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	8	0.93
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	19	0.93
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	19	0.93
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	19	0.93
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	20	0.93
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	20	0.93
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	20	0.93
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	11	0.93
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	11	0.93
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	11	0.93
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	11	0.93
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	11	0.93
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	11	0.93
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	11	0.93
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	11	0.93
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	11	0.93
(1,872)	1:C:44:LEU:HD11	1:C:63:THR:H	14	0.92
(1,872)	1:C:44:LEU:HD12	1:C:63:THR:H	14	0.92
(1,872)	1:C:44:LEU:HD13	1:C:63:THR:H	14	0.92
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	13	0.92
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	13	0.92
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	13	0.92
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	7	0.92
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	7	0.92
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	7	0.92
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	13	0.92
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	13	0.92
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	13	0.92
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	5	0.92
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	5	0.92
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	5	0.92
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	5	0.92
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	5	0.92
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	5	0.92
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	5	0.92
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	5	0.92
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	1	0.92
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	1	0.92
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	1	0.92
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	1	0.92
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	1	0.92
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	1	0.92
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	1	0.92
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	1	0.92
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	1	0.92
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	13	0.92
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	13	0.92
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	13	0.92
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	16	0.91
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	16	0.91
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	16	0.91
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	5	0.91
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	5	0.91
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	5	0.91
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	20	0.91
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	20	0.91
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	20	0.91
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	20	0.91
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	20	0.91
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	20	0.91
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	20	0.91
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	20	0.91
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	20	0.91
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	13	0.91
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	13	0.91
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	13	0.91
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	15	0.91
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	4	0.91
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	11	0.91
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	5	0.91
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	5	0.91
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	5	0.91
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	17	0.91
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	20	0.91
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	20	0.91
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	20	0.91
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	20	0.91
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	20	0.91
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	20	0.91
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	20	0.91
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	20	0.91
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	10	0.91
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	12	0.91
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	16	0.91
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	14	0.91
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	1	0.91
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	1	0.91
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	1	0.91
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	4	0.91
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	4	0.91
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	4	0.91
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	7	0.91
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	7	0.91
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	7	0.91
(1,957)	1:C:64:VAL:HG21	1:C:128:LEU:HD21	16	0.9
(1,957)	1:C:64:VAL:HG21	1:C:128:LEU:HD22	16	0.9
(1,957)	1:C:64:VAL:HG21	1:C:128:LEU:HD23	16	0.9
(1,957)	1:C:64:VAL:HG22	1:C:128:LEU:HD21	16	0.9
(1,957)	1:C:64:VAL:HG22	1:C:128:LEU:HD22	16	0.9
(1,957)	1:C:64:VAL:HG22	1:C:128:LEU:HD23	16	0.9
(1,957)	1:C:64:VAL:HG23	1:C:128:LEU:HD21	16	0.9
(1,957)	1:C:64:VAL:HG23	1:C:128:LEU:HD22	16	0.9
(1,957)	1:C:64:VAL:HG23	1:C:128:LEU:HD23	16	0.9
(1,828)	1:C:31:VAL:HG21	1:C:36:TRP:HE3	15	0.9
(1,828)	1:C:31:VAL:HG22	1:C:36:TRP:HE3	15	0.9
(1,828)	1:C:31:VAL:HG23	1:C:36:TRP:HE3	15	0.9
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	15	0.9
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	15	0.9
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	15	0.9
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	19	0.9
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	19	0.9
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	19	0.9
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	19	0.9
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	19	0.9
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	19	0.9
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	6	0.9
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	6	0.9
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	9	0.9
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	9	0.9
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	9	0.9
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG11	10	0.89
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG12	10	0.89
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG13	10	0.89
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG11	10	0.89
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG12	10	0.89
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG13	10	0.89
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG11	10	0.89
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG12	10	0.89
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG13	10	0.89
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	4	0.89
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	4	0.89
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	4	0.89
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	4	0.89
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	4	0.89
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	4	0.89
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	4	0.89
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	4	0.89
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	4	0.89
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	6	0.89
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	13	0.89
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	13	0.89
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	13	0.89
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	13	0.89
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	13	0.89
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	13	0.89
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	13	0.89
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	13	0.89
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	13	0.89
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	13	0.89
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	6	0.89
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	6	0.89
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	6	0.89
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	2	0.89
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	2	0.89
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	2	0.89
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	14	0.89
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	14	0.89
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	14	0.89
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	2	0.88
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	2	0.88
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	19	0.88
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	19	0.88
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	19	0.88
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	19	0.88
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	19	0.88
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	19	0.88
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	19	0.88
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	19	0.88
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	19	0.88
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	17	0.88
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	7	0.88
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	5	0.88
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	3	0.88
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	12	0.88
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	12	0.88
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	12	0.88
(1,1086)	1:C:118:VAL:HG21	1:C:119:SER:H	16	0.88
(1,1086)	1:C:118:VAL:HG22	1:C:119:SER:H	16	0.88
(1,1086)	1:C:118:VAL:HG23	1:C:119:SER:H	16	0.88
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	5	0.87
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	5	0.87
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	5	0.87
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	5	0.87
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	15	0.87
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	15	0.87
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	15	0.87
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	1	0.87
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	1	0.87
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	1	0.87
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	5	0.87
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	18	0.87
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	9	0.87
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	13	0.87
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	16	0.87
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	10	0.86
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	10	0.86
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	10	0.86
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	17	0.86
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	17	0.86
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD11	20	0.86
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD12	20	0.86
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD13	20	0.86
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD11	20	0.86
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD12	20	0.86
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD13	20	0.86
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD11	20	0.86
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD12	20	0.86
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD13	20	0.86
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	15	0.86
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	15	0.86
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	15	0.86
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	15	0.86
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	15	0.86
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	15	0.86
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	15	0.86
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	15	0.86
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	15	0.86
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	14	0.86
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	19	0.86
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	19	0.86
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	19	0.86
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	19	0.86
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	19	0.86
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	19	0.86
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	19	0.86
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	19	0.86
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	19	0.86
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	8	0.86
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	8	0.86
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	8	0.86
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	4	0.86
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	19	0.85
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	19	0.85
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	19	0.85
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	20	0.85
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	20	0.85
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	20	0.85
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	7	0.85
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	17	0.85
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	17	0.85
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	9	0.85
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	12	0.85
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	12	0.85
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	12	0.85
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	12	0.85
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	12	0.85
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	12	0.85
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	12	0.85
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	12	0.85
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	12	0.85
(1,194)	1:A:60:LEU:HD11	1:A:61:ARG:H	9	0.85
(1,194)	1:A:60:LEU:HD12	1:A:61:ARG:H	9	0.85
(1,194)	1:A:60:LEU:HD13	1:A:61:ARG:H	9	0.85
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	10	0.85
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	20	0.85
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	20	0.85
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	20	0.85
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	20	0.85
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	20	0.85
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	20	0.85
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	20	0.85
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	20	0.85
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	20	0.85
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	13	0.85
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	13	0.85
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	13	0.85
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	16	0.84
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	16	0.84
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	16	0.84
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	1	0.84
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	12	0.84
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	12	0.84
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	12	0.84
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	17	0.84
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	17	0.84
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	17	0.84
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	9	0.84
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG21	12	0.84
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG22	12	0.84
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG23	12	0.84
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG21	12	0.84
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG22	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG23	12	0.84
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG21	12	0.84
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG22	12	0.84
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG23	12	0.84
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	4	0.84
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	4	0.84
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	4	0.84
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	2	0.84
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB1	3	0.84
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB2	3	0.84
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB3	3	0.84
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB1	3	0.84
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB2	3	0.84
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB3	3	0.84
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB1	3	0.84
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB2	3	0.84
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB3	3	0.84
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	3	0.83
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	3	0.83
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	3	0.83
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	6	0.83
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	9	0.83
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	9	0.83
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	9	0.83
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	9	0.83
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	9	0.83
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	9	0.83
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	9	0.83
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	9	0.83
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	9	0.83
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	15	0.83
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	15	0.83
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	15	0.83
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	15	0.83
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	15	0.83
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	15	0.83
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	15	0.83
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	15	0.83
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	15	0.83
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	14	0.83
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	15	0.83
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	15	0.83
(1,115)	1:A:42:LEU:HD21	1:A:43:ASP:H	7	0.83
(1,115)	1:A:42:LEU:HD22	1:A:43:ASP:H	7	0.83
(1,115)	1:A:42:LEU:HD23	1:A:43:ASP:H	7	0.83
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	17	0.83
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	17	0.83
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	17	0.83
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	17	0.83
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	17	0.83
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	17	0.83
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	17	0.83
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	17	0.83
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	17	0.83
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	17	0.82
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	16	0.82
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	18	0.82
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	18	0.82
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	18	0.82
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	18	0.82
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	18	0.82
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	18	0.82
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	20	0.82
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	12	0.82
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	20	0.82
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	10	0.82
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	10	0.82
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	10	0.82
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	17	0.82
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	10	0.82
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	7	0.82
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	2	0.82
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	2	0.82
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	2	0.82
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	5	0.82
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	5	0.82
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	5	0.82
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	5	0.82
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	5	0.82
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	5	0.82
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	5	0.82
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	5	0.82
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	18	0.82
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	18	0.82
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	18	0.82
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	18	0.82
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	18	0.82
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	18	0.82
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	14	0.82
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	14	0.82
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	14	0.82
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	1	0.82
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	19	0.82
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	19	0.82
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	19	0.82
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	13	0.81
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	18	0.81
(1,824)	1:C:31:VAL:HG11	1:C:32:PHE:H	16	0.81
(1,824)	1:C:31:VAL:HG12	1:C:32:PHE:H	16	0.81
(1,824)	1:C:31:VAL:HG13	1:C:32:PHE:H	16	0.81
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	5	0.81
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	5	0.81
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	5	0.81
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	16	0.81
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	16	0.81
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	16	0.81
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	17	0.81
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	2	0.81
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	2	0.81
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	2	0.81
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	2	0.81
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	2	0.81
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	2	0.81
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	2	0.81
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	2	0.81
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	2	0.81
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	4	0.81
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	13	0.81
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	4	0.81
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	8	0.81
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	20	0.81
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	10	0.81
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	18	0.8
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	18	0.8
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	3	0.8
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	4	0.8
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	4	0.8
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	4	0.8
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	4	0.8
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	4	0.8
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	4	0.8
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	4	0.8
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	4	0.8
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	4	0.8
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	20	0.8
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	13	0.8
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	13	0.8
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	13	0.8
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	13	0.8
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	13	0.8
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	13	0.8
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	13	0.8
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	13	0.8
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	13	0.8
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	10	0.8
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	15	0.8
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	10	0.8
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	10	0.8
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	10	0.8
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	10	0.8
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	10	0.8
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	10	0.8
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	10	0.8
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	10	0.8
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	10	0.8
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	7	0.8
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	14	0.8
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	16	0.8
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	17	0.8
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	12	0.8
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	19	0.8
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	19	0.8
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	19	0.8
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	19	0.8
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	19	0.8
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	19	0.8
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	19	0.8
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	19	0.8
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	14	0.8
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	13	0.8
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	13	0.8
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	13	0.8
(1,1292)	1:D:60:LEU:HD11	1:D:62:VAL:H	12	0.8
(1,1292)	1:D:60:LEU:HD12	1:D:62:VAL:H	12	0.8
(1,1292)	1:D:60:LEU:HD13	1:D:62:VAL:H	12	0.8
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	18	0.8
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	19	0.79
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	19	0.79
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	19	0.79
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD21	13	0.79
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD22	13	0.79
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD23	13	0.79
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	18	0.79
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	18	0.79
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	18	0.79
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	18	0.79
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	18	0.79
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	18	0.79
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	18	0.79
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	18	0.79
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	18	0.79
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	20	0.79
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	20	0.79
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	20	0.79
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	7	0.79
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	8	0.79
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	8	0.79
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	8	0.79
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	8	0.79
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	8	0.79
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	8	0.79
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	17	0.79
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	1	0.79
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	19	0.79
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	4	0.79
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	4	0.79
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	16	0.79
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	5	0.79
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	5	0.79
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	5	0.79
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	2	0.79
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	3	0.79
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	20	0.78
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	20	0.78
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	20	0.78
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	20	0.78
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	20	0.78
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	20	0.78
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	20	0.78
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	20	0.78
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	20	0.78
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	15	0.78
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	15	0.78
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	15	0.78
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	4	0.78
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	17	0.78
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	17	0.78
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	17	0.78
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	10	0.78
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	17	0.78
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	18	0.78
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	5	0.78
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	13	0.78
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	13	0.78
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	13	0.78
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	14	0.78
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	14	0.78
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	14	0.78
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	14	0.78
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	14	0.78
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	14	0.78
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	14	0.78
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	14	0.78
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	14	0.78
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	8	0.78
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	8	0.78
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD21	13	0.78
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD22	13	0.78
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD23	13	0.78
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD21	13	0.78
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD22	13	0.78
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD23	13	0.78
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD21	13	0.78
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD22	13	0.78
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD23	13	0.78
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	3	0.78
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	3	0.78
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	3	0.78
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	3	0.78
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	8	0.78
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	17	0.77
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	17	0.77
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	17	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	7	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	7	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	7	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	8	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	8	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	8	0.77
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	5	0.77
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	5	0.77
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	5	0.77
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	5	0.77
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	5	0.77
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	5	0.77
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	10	0.77
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	12	0.77
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	9	0.77
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	16	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	16	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	16	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	16	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	18	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	18	0.77
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	18	0.77
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	1	0.77
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	13	0.77
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	6	0.77
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	3	0.77
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	3	0.77
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	3	0.77
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	3	0.77
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	17	0.77
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	17	0.77
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	17	0.77
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	17	0.77
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	17	0.77
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	17	0.77
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	17	0.77
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	17	0.77
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	17	0.77
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	16	0.77
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	3	0.77
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	1	0.77
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	1	0.77
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	1	0.77
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	1	0.77
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	1	0.77
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	1	0.77
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	1	0.77
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	1	0.77
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	1	0.77
(1,1046)	1:C:98:LEU:HD11	1:C:99:GLY:H	3	0.77
(1,1046)	1:C:98:LEU:HD12	1:C:99:GLY:H	3	0.77
(1,1046)	1:C:98:LEU:HD13	1:C:99:GLY:H	3	0.77
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	14	0.76
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	14	0.76
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	14	0.76
(1,824)	1:C:31:VAL:HG11	1:C:32:PHE:H	5	0.76
(1,824)	1:C:31:VAL:HG12	1:C:32:PHE:H	5	0.76
(1,824)	1:C:31:VAL:HG13	1:C:32:PHE:H	5	0.76
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	3	0.76
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	3	0.76
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	3	0.76
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	8	0.76
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	8	0.76
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	8	0.76
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	14	0.76
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	14	0.76
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	14	0.76
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	14	0.76
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	14	0.76
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	14	0.76
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	14	0.76
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	14	0.76
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	17	0.76
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	6	0.76
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	20	0.76
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	13	0.76
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	2	0.76
(1,1292)	1:D:60:LEU:HD11	1:D:62:VAL:H	3	0.76
(1,1292)	1:D:60:LEU:HD12	1:D:62:VAL:H	3	0.76
(1,1292)	1:D:60:LEU:HD13	1:D:62:VAL:H	3	0.76
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	12	0.76
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	12	0.76
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	12	0.76
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	12	0.76
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	12	0.76
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	12	0.76
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	12	0.76
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	12	0.76
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	12	0.76
(1,1225)	1:D:42:LEU:HD21	1:D:43:ASP:H	6	0.76
(1,1225)	1:D:42:LEU:HD22	1:D:43:ASP:H	6	0.76
(1,1225)	1:D:42:LEU:HD23	1:D:43:ASP:H	6	0.76
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	5	0.76
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	5	0.76
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	5	0.76
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	1	0.76
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	7	0.76
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	6	0.75
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	6	0.75
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	6	0.75
(1,94)	1:A:36:TRP:HE3	1:A:37:GLN:H	13	0.75
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	18	0.75
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	18	0.75
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	18	0.75
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	15	0.75
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	15	0.75
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	15	0.75
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	15	0.75
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	15	0.75
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	15	0.75
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	15	0.75
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	15	0.75
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	3	0.75
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	13	0.75
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	13	0.75
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	13	0.75
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	1	0.75
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	1	0.75
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	1	0.75
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	15	0.75
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	8	0.75
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	8	0.75
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	8	0.75
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	15	0.75
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	15	0.75
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	15	0.75
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	1	0.75
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	3	0.75
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	3	0.75
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	3	0.75
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	3	0.75
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	3	0.75
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	3	0.75
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	20	0.75
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	20	0.75
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	20	0.75
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	7	0.75
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	5	0.75
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	2	0.75
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	6	0.75
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	6	0.75
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	6	0.75
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	8	0.74
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	8	0.74
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	8	0.74
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE1	20	0.74
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE2	20	0.74
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE1	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE2	20	0.74
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE1	20	0.74
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE2	20	0.74
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	2	0.74
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	2	0.74
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	2	0.74
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	2	0.74
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	2	0.74
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	2	0.74
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	2	0.74
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	2	0.74
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	2	0.74
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	18	0.74
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	18	0.74
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	18	0.74
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	12	0.74
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	19	0.74
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	16	0.74
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	16	0.74
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	16	0.74
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	16	0.74
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	16	0.74
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	16	0.74
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	10	0.74
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	18	0.74
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	6	0.74
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	6	0.74
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	6	0.74
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	6	0.74
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	6	0.74
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	6	0.74
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	6	0.74
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	6	0.74
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	6	0.74
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	10	0.74
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	10	0.74
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	10	0.74
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	4	0.74
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	12	0.74
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	19	0.74
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	19	0.74
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	17	0.74
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	4	0.74
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	4	0.74
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	4	0.74
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	13	0.74
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	13	0.74
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	13	0.74
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	13	0.74
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	13	0.74
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	13	0.74
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	13	0.74
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	13	0.74
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	13	0.74
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD21	6	0.73
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD22	6	0.73
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD23	6	0.73
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	20	0.73
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	3	0.73
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	3	0.73
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	3	0.73
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD21	19	0.73
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD22	19	0.73
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD23	19	0.73
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	17	0.73
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	17	0.73
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	17	0.73
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	8	0.73
(1,468)	1:B:34:LYS:H	1:B:35:ASP:H	16	0.73
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	19	0.73
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	19	0.73
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	19	0.73
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	14	0.73
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	8	0.73
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	18	0.73
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	19	0.73
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	18	0.73
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	15	0.73
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	15	0.73
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	15	0.73
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	15	0.73
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	15	0.73
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	15	0.73
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	15	0.73
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	15	0.73
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	3	0.73
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	3	0.73
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	3	0.73
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	18	0.73
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	6	0.73
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	8	0.72
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	8	0.72
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	8	0.72
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	1	0.72
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	14	0.72
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	14	0.72
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	14	0.72
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	1	0.72
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	1	0.72
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	1	0.72
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	14	0.72
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	14	0.72
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	5	0.72
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	7	0.72
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	6	0.72
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	6	0.72
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	6	0.72
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	9	0.72
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	4	0.72
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	4	0.72
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	4	0.72
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	4	0.72
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	4	0.72
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	4	0.72
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	16	0.72
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	19	0.72
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	19	0.72
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	19	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	5	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	5	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	5	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	5	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	5	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	5	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	5	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	5	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	9	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	9	0.72
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	9	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	9	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	9	0.72
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	9	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	9	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	9	0.72
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	9	0.72
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	20	0.72
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	19	0.71
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	1	0.71
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	1	0.71
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	1	0.71
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG11	10	0.71
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG12	10	0.71
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG13	10	0.71
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG11	10	0.71
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG12	10	0.71
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG13	10	0.71
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG11	10	0.71
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG12	10	0.71
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG13	10	0.71
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB1	6	0.71
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB2	6	0.71
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB3	6	0.71
(1,78)	1:A:31:VAL:HG11	1:A:123:PHE:HE1	7	0.71
(1,78)	1:A:31:VAL:HG11	1:A:123:PHE:HE2	7	0.71
(1,78)	1:A:31:VAL:HG12	1:A:123:PHE:HE1	7	0.71
(1,78)	1:A:31:VAL:HG12	1:A:123:PHE:HE2	7	0.71
(1,78)	1:A:31:VAL:HG13	1:A:123:PHE:HE1	7	0.71
(1,78)	1:A:31:VAL:HG13	1:A:123:PHE:HE2	7	0.71
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	20	0.71
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	20	0.71
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	20	0.71
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	14	0.71
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	14	0.71
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	18	0.71
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	4	0.71
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	4	0.71
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	4	0.71
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	4	0.71
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	4	0.71
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	4	0.71
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	4	0.71
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	4	0.71
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	4	0.71
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	8	0.71
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	3	0.71
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	3	0.71
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	3	0.71
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	2	0.71
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	2	0.71
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	2	0.71
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	19	0.71
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	19	0.71
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	19	0.71
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	5	0.71
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	11	0.71
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	9	0.71
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	9	0.71
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	9	0.71
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	9	0.71
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	9	0.71
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	9	0.71
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	9	0.71
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	9	0.71
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	9	0.71
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	13	0.71
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	7	0.7
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	13	0.7
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	13	0.7
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	13	0.7
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	4	0.7
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	20	0.7
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	20	0.7
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	8	0.7
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	8	0.7
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	8	0.7
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	18	0.7
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	18	0.7
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	16	0.7
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	10	0.7
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	10	0.7
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	10	0.7
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	2	0.7
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	11	0.7
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	11	0.7
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	11	0.7
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	16	0.7
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	16	0.7
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	16	0.7
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	7	0.7
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	7	0.7
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	7	0.7
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	7	0.7
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	7	0.7
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	7	0.7
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	7	0.7
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	7	0.7
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	7	0.7
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	18	0.7
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	18	0.7
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	18	0.7
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	18	0.7
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	18	0.7
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	18	0.7
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	18	0.7
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	18	0.7
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	18	0.7
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	19	0.7
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	19	0.7
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	19	0.7
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	13	0.7
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	13	0.7
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	13	0.7
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	10	0.7
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	10	0.7
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	10	0.7
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	18	0.7
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	17	0.69
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	17	0.69
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	1	0.69
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	13	0.69
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	13	0.69
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	13	0.69
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD21	18	0.69
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD22	18	0.69
(1,492)	1:B:42:LEU:HD21	1:B:44:LEU:HD23	18	0.69
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD21	18	0.69
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD22	18	0.69
(1,492)	1:B:42:LEU:HD22	1:B:44:LEU:HD23	18	0.69
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD21	18	0.69
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD22	18	0.69
(1,492)	1:B:42:LEU:HD23	1:B:44:LEU:HD23	18	0.69
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	9	0.69
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	14	0.69
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	3	0.69
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	4	0.69
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	11	0.69
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD21	15	0.69
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD22	15	0.69
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD23	15	0.69
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD21	15	0.69
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD22	15	0.69
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD23	15	0.69
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD21	15	0.69
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD22	15	0.69
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD23	15	0.69
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	8	0.69
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	8	0.69
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	8	0.69
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	14	0.69
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	14	0.69
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	14	0.69
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	3	0.68
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	3	0.68
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	3	0.68
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	3	0.68
(1,87)	1:A:32:PHE:HD1	1:A:36:TRP:HZ3	18	0.68
(1,87)	1:A:32:PHE:HD2	1:A:36:TRP:HZ3	18	0.68
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	1	0.68
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	1	0.68
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	1	0.68
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	1	0.68
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	1	0.68
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	1	0.68
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	15	0.68
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	15	0.68
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	15	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	1	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	1	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	1	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	6	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	6	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	6	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	12	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	12	0.68
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	12	0.68
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	3	0.68
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	1	0.68
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	18	0.68
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	18	0.68
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	18	0.68
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	18	0.68
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	18	0.68
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	18	0.68
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	18	0.68
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	18	0.68
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	18	0.68
(1,468)	1:B:34:LYS:H	1:B:35:ASP:H	17	0.68
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	8	0.68
(1,34)	1:A:19:LYS:H	1:A:79:GLN:H	16	0.68
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	9	0.68
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	17	0.68
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	18	0.68
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	18	0.68
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	18	0.68
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	18	0.68
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	18	0.68
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	18	0.68
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	18	0.68
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	18	0.68
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	14	0.68
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	14	0.68
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	14	0.68
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	2	0.68
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	5	0.68
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	5	0.68
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	5	0.68
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	9	0.68
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	9	0.68
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	9	0.68
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	1	0.68
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	14	0.68
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	9	0.67
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	14	0.67
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	9	0.67
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	9	0.67
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	9	0.67
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD21	9	0.67
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD22	9	0.67
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD23	9	0.67
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	12	0.67
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	12	0.67
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	12	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	4	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	4	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	4	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	10	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	10	0.67
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	10	0.67
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	12	0.67
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	12	0.67
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	12	0.67
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	12	0.67
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	12	0.67
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	12	0.67
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	12	0.67
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	12	0.67
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	12	0.67
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	1	0.67
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	1	0.67
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	15	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	1	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	1	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	1	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	1	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	1	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	1	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	1	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	1	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	1	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	6	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	6	0.67
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	6	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	6	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	6	0.67
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	6	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	6	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	6	0.67
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	6	0.67
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	16	0.67
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	16	0.67
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	16	0.67
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	16	0.67
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	16	0.67
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	16	0.67
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	16	0.67
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	16	0.67
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	16	0.67
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	16	0.67
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	16	0.67
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	16	0.67
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	7	0.67
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	7	0.67
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	7	0.67
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	3	0.67
(1,1208)	1:D:35:ASP:H	1:D:36:TRP:HZ3	8	0.67
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	5	0.67
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	5	0.67
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	10	0.67
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	10	0.67
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	10	0.67
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	3	0.66
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	15	0.66
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	15	0.66
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	15	0.66
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	13	0.66
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	13	0.66
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD1	5	0.66
(1,740)	1:B:136:LEU:HD21	1:B:137:PHE:HD2	5	0.66
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD1	5	0.66
(1,740)	1:B:136:LEU:HD22	1:B:137:PHE:HD2	5	0.66
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD1	5	0.66
(1,740)	1:B:136:LEU:HD23	1:B:137:PHE:HD2	5	0.66
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	13	0.66
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	13	0.66
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	13	0.66
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	18	0.66
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	18	0.66
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	18	0.66
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	2	0.66
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	2	0.66
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	2	0.66
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	13	0.66
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	13	0.66
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	13	0.66
(1,468)	1:B:34:LYS:H	1:B:35:ASP:H	19	0.66
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	4	0.66
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	12	0.66
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	12	0.66
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	12	0.66
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	12	0.66
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	12	0.66
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	12	0.66
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	12	0.66
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	12	0.66
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	12	0.66
(1,233)	1:A:68:LEU:HD11	1:A:73:ALA:H	13	0.66
(1,233)	1:A:68:LEU:HD12	1:A:73:ALA:H	13	0.66
(1,233)	1:A:68:LEU:HD13	1:A:73:ALA:H	13	0.66
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	12	0.66
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	12	0.66
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	12	0.66
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	12	0.66
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	12	0.66
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	12	0.66
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	12	0.66
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	12	0.66
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD11	17	0.66
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD12	17	0.66
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD13	17	0.66
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD11	17	0.66
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD12	17	0.66
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD13	17	0.66
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD11	17	0.66
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD12	17	0.66
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD13	17	0.66
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	10	0.66
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	10	0.66
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	10	0.66
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	10	0.66
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	10	0.66
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	10	0.66
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	10	0.66
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	10	0.66
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	10	0.66
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	20	0.66
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	15	0.66
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	7	0.66
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	3	0.66
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	3	0.66
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	3	0.66
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	6	0.65
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	6	0.65
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	6	0.65
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	16	0.65
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	7	0.65
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	3	0.65
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	3	0.65
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	3	0.65
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	3	0.65
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	3	0.65
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	3	0.65
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	3	0.65
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	3	0.65
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG11	17	0.65
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG12	17	0.65
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG13	17	0.65
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG11	17	0.65
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG12	17	0.65
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG13	17	0.65
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG11	17	0.65
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG12	17	0.65
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG13	17	0.65
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	12	0.65
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	6	0.65
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	6	0.65
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	6	0.65
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	7	0.65
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	7	0.65
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	7	0.65
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	13	0.65
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	13	0.65
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	1	0.65
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	2	0.65
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	2	0.65
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	18	0.65
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	18	0.65
(1,1160)	1:D:19:LYS:H	1:D:79:GLN:H	10	0.65
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG21	3	0.65
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG22	3	0.65
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG23	3	0.65
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG21	3	0.65
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG22	3	0.65
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG23	3	0.65
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG21	3	0.65
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG22	3	0.65
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG23	3	0.65
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	20	0.65
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	6	0.64
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	6	0.64
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	6	0.64
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	5	0.64
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	7	0.64
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	10	0.64
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	10	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	3	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	3	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	3	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	9	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	9	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	9	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	19	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	19	0.64
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	19	0.64
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	16	0.64
(1,462)	1:B:31:VAL:HG21	1:B:123:PHE:HE1	19	0.64
(1,462)	1:B:31:VAL:HG21	1:B:123:PHE:HE2	19	0.64
(1,462)	1:B:31:VAL:HG22	1:B:123:PHE:HE1	19	0.64
(1,462)	1:B:31:VAL:HG22	1:B:123:PHE:HE2	19	0.64
(1,462)	1:B:31:VAL:HG23	1:B:123:PHE:HE1	19	0.64
(1,462)	1:B:31:VAL:HG23	1:B:123:PHE:HE2	19	0.64
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	12	0.64
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	13	0.64
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	13	0.64
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	13	0.64
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	13	0.64
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	13	0.64
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	13	0.64
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	13	0.64
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	13	0.64
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	13	0.64
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	5	0.64
(1,233)	1:A:68:LEU:HD11	1:A:73:ALA:H	19	0.64
(1,233)	1:A:68:LEU:HD12	1:A:73:ALA:H	19	0.64
(1,233)	1:A:68:LEU:HD13	1:A:73:ALA:H	19	0.64
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	5	0.64
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	15	0.64
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	17	0.64
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	17	0.64
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	17	0.64
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD11	18	0.64
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD12	18	0.64
(1,1230)	1:D:43:ASP:H	1:D:44:LEU:HD13	18	0.64
(1,1225)	1:D:42:LEU:HD21	1:D:43:ASP:H	20	0.64
(1,1225)	1:D:42:LEU:HD22	1:D:43:ASP:H	20	0.64
(1,1225)	1:D:42:LEU:HD23	1:D:43:ASP:H	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	16	0.64
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	16	0.64
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG21	16	0.64
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG22	16	0.64
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG23	16	0.64
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG21	16	0.64
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG22	16	0.64
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG23	16	0.64
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG21	16	0.64
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG22	16	0.64
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG23	16	0.64
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	10	0.64
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	10	0.64
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	10	0.64
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	10	0.64
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	10	0.64
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	10	0.64
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	10	0.64
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	10	0.64
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	10	0.64
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	11	0.63
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	11	0.63
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	11	0.63
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	15	0.63
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	14	0.63
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	14	0.63
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	14	0.63
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	11	0.63
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	6	0.63
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	6	0.63
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	6	0.63
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	6	0.63
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	6	0.63
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	6	0.63
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	6	0.63
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	2	0.63
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	1	0.63
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	7	0.63
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	7	0.63
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	12	0.63
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE1	17	0.63
(1,1110)	1:C:131:VAL:HG11	1:C:133:PHE:HE2	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE1	17	0.63
(1,1110)	1:C:131:VAL:HG12	1:C:133:PHE:HE2	17	0.63
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE1	17	0.63
(1,1110)	1:C:131:VAL:HG13	1:C:133:PHE:HE2	17	0.63
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	3	0.63
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	3	0.63
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	3	0.63
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	15	0.63
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	15	0.63
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	15	0.63
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	8	0.63
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	8	0.63
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	8	0.63
(1,1087)	1:C:118:VAL:HG21	1:C:125:GLN:H	13	0.63
(1,1087)	1:C:118:VAL:HG22	1:C:125:GLN:H	13	0.63
(1,1087)	1:C:118:VAL:HG23	1:C:125:GLN:H	13	0.63
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	8	0.62
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	8	0.62
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	8	0.62
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	8	0.62
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	17	0.62
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	17	0.62
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	17	0.62
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	17	0.62
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	17	0.62
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	17	0.62
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	17	0.62
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	17	0.62
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	17	0.62
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	7	0.62
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	20	0.62
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	20	0.62
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	14	0.62
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	14	0.62
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	14	0.62
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	3	0.62
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	3	0.62
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	3	0.62
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	14	0.62
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	14	0.62
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	14	0.62
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	11	0.62
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	11	0.62
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	19	0.62
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	13	0.62
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	13	0.62
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	13	0.62
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	13	0.62
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	13	0.62
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	13	0.62
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	13	0.62
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	13	0.62
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	13	0.62
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	2	0.62
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	2	0.62
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	18	0.62
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	9	0.61
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	9	0.61
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	9	0.61
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	14	0.61
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	14	0.61
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	14	0.61
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD21	8	0.61
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD22	8	0.61
(1,933)	1:C:59:VAL:H	1:C:60:LEU:HD23	8	0.61
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	2	0.61
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	2	0.61
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	2	0.61
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	9	0.61
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	9	0.61
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	9	0.61
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	2	0.61
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	2	0.61
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	2	0.61
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	14	0.61
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	14	0.61
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	14	0.61
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	16	0.61
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	16	0.61
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	16	0.61
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	2	0.61
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	14	0.61
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	10	0.61
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	10	0.61
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	14	0.61
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	14	0.61
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	10	0.61
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	4	0.61
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	20	0.61
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	20	0.61
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	20	0.61
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	9	0.61
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	2	0.61
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	2	0.61
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	2	0.61
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	18	0.61
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	18	0.61
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	18	0.61
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	18	0.61
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	18	0.61
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	18	0.61
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	18	0.61
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	18	0.61
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	18	0.61
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	5	0.61
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	5	0.61
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	5	0.61
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	13	0.61
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	13	0.61
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	9	0.61
(1,872)	1:C:44:LEU:HD11	1:C:63:THR:H	3	0.6
(1,872)	1:C:44:LEU:HD12	1:C:63:THR:H	3	0.6
(1,872)	1:C:44:LEU:HD13	1:C:63:THR:H	3	0.6
(1,825)	1:C:31:VAL:HG11	1:C:32:PHE:HD1	16	0.6
(1,825)	1:C:31:VAL:HG11	1:C:32:PHE:HD2	16	0.6
(1,825)	1:C:31:VAL:HG12	1:C:32:PHE:HD1	16	0.6
(1,825)	1:C:31:VAL:HG12	1:C:32:PHE:HD2	16	0.6
(1,825)	1:C:31:VAL:HG13	1:C:32:PHE:HD1	16	0.6
(1,825)	1:C:31:VAL:HG13	1:C:32:PHE:HD2	16	0.6
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	19	0.6
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	19	0.6
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG11	17	0.6
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG12	17	0.6
(1,702)	1:B:117:MET:H	1:B:118:VAL:HG13	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	6	0.6
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	6	0.6
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	6	0.6
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	6	0.6
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	6	0.6
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	6	0.6
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	6	0.6
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	6	0.6
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	6	0.6
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	6	0.6
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	7	0.6
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	7	0.6
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	3	0.6
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	3	0.6
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	12	0.6
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	12	0.6
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	18	0.6
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	18	0.6
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	4	0.6
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	4	0.6
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	4	0.6
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	19	0.6
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	19	0.6
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	9	0.6
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	9	0.6
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	9	0.6
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	9	0.6
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	9	0.6
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	9	0.6
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	9	0.6
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	9	0.6
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	9	0.6
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	1	0.6
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	10	0.6
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	1	0.6
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	1	0.6
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	1	0.6
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	12	0.59
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	7	0.59
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	7	0.59
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	7	0.59
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:B:92:THR:H	1:B:95:ALA:H	9	0.59
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	10	0.59
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	20	0.59
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	6	0.59
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	1	0.59
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	3	0.59
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	13	0.59
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	13	0.59
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	13	0.59
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	13	0.59
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	13	0.59
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	13	0.59
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	13	0.59
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	13	0.59
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	13	0.59
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	6	0.59
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	6	0.59
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	6	0.59
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	6	0.59
(1,1374)	1:D:87:ALA:H	1:D:89:ILE:H	1	0.59
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	14	0.59
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD11	17	0.59
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD12	17	0.59
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD13	17	0.59
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD11	17	0.59
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD12	17	0.59
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD13	17	0.59
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD11	17	0.59
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD12	17	0.59
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD13	17	0.59
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	15	0.59
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	15	0.59
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	15	0.59
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	13	0.59
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	13	0.59
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	11	0.59
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	11	0.59
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	17	0.59
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	17	0.59
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	17	0.59
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	17	0.59
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	13	0.58
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	13	0.58
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	13	0.58
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	13	0.58
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	13	0.58
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	13	0.58
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	13	0.58
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	13	0.58
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	11	0.58
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	11	0.58
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	10	0.58
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	4	0.58
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	4	0.58
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	4	0.58
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	8	0.58
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	8	0.58
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	8	0.58
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	6	0.58
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	5	0.58
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	2	0.58
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	10	0.58
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	8	0.58
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	17	0.58
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	20	0.58
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	20	0.58
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	20	0.58
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	1	0.58
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	1	0.58
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	9	0.58
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	9	0.58
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	9	0.58
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	7	0.58
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	7	0.58
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	7	0.58
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	7	0.58
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	7	0.58
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	7	0.58
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	7	0.58
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	7	0.58
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	7	0.58
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	8	0.58
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	8	0.58
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	8	0.58
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	8	0.58
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	8	0.58
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	8	0.58
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	8	0.58
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	8	0.58
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	19	0.58
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	3	0.58
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	3	0.58
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	15	0.58
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	18	0.57
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	18	0.57
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	18	0.57
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	18	0.57
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	18	0.57
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	18	0.57
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	18	0.57
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	18	0.57
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	18	0.57
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	17	0.57
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	17	0.57
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	17	0.57
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	1	0.57
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	1	0.57
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	1	0.57
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	7	0.57
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	7	0.57
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	7	0.57
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	14	0.57
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	7	0.57
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	14	0.57
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	14	0.57
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	8	0.57
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	1	0.57
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	1	0.57
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	1	0.57
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	1	0.57
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	1	0.57
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	1	0.57
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	12	0.57
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	12	0.57
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	12	0.57
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	12	0.57
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	12	0.57
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	12	0.57
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	12	0.57
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	12	0.57
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	12	0.57
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	12	0.57
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	12	0.57
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG11	6	0.57
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG12	6	0.57
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG13	6	0.57
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	15	0.57
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	15	0.57
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	15	0.57
(1,1311)	1:D:64:VAL:HG21	1:D:126:LEU:HD21	18	0.57
(1,1311)	1:D:64:VAL:HG21	1:D:126:LEU:HD22	18	0.57
(1,1311)	1:D:64:VAL:HG21	1:D:126:LEU:HD23	18	0.57
(1,1311)	1:D:64:VAL:HG22	1:D:126:LEU:HD21	18	0.57
(1,1311)	1:D:64:VAL:HG22	1:D:126:LEU:HD22	18	0.57
(1,1311)	1:D:64:VAL:HG22	1:D:126:LEU:HD23	18	0.57
(1,1311)	1:D:64:VAL:HG23	1:D:126:LEU:HD21	18	0.57
(1,1311)	1:D:64:VAL:HG23	1:D:126:LEU:HD22	18	0.57
(1,1311)	1:D:64:VAL:HG23	1:D:126:LEU:HD23	18	0.57
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	12	0.57
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	12	0.57
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	12	0.57
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	12	0.57
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	12	0.57
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	12	0.57
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	19	0.57
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	11	0.57
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG21	15	0.57
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG22	15	0.57
(1,1106)	1:C:128:LEU:HD11	1:C:131:VAL:HG23	15	0.57
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG21	15	0.57
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG22	15	0.57
(1,1106)	1:C:128:LEU:HD12	1:C:131:VAL:HG23	15	0.57
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG21	15	0.57
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG22	15	0.57
(1,1106)	1:C:128:LEU:HD13	1:C:131:VAL:HG23	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	13	0.56
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	13	0.56
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	13	0.56
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	2	0.56
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	2	0.56
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	2	0.56
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	12	0.56
(1,824)	1:C:31:VAL:HG11	1:C:32:PHE:H	18	0.56
(1,824)	1:C:31:VAL:HG12	1:C:32:PHE:H	18	0.56
(1,824)	1:C:31:VAL:HG13	1:C:32:PHE:H	18	0.56
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	2	0.56
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	10	0.56
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	3	0.56
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	15	0.56
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	10	0.56
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	10	0.56
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	10	0.56
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	10	0.56
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	10	0.56
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	10	0.56
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	10	0.56
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	10	0.56
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	10	0.56
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	17	0.56
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	17	0.56
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	3	0.56
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	3	0.56
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	2	0.56
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	5	0.56
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	2	0.56
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	11	0.56
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	8	0.56
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	6	0.56
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	6	0.56
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	6	0.56
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	6	0.56
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	6	0.56
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	6	0.56
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	6	0.56
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	6	0.56
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	6	0.56
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	17	0.56
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	17	0.56
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	17	0.56
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	12	0.56
(1,1046)	1:C:98:LEU:HD11	1:C:99:GLY:H	5	0.56
(1,1046)	1:C:98:LEU:HD12	1:C:99:GLY:H	5	0.56
(1,1046)	1:C:98:LEU:HD13	1:C:99:GLY:H	5	0.56
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	13	0.56
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	6	0.55
(1,916)	1:C:56:TYR:HD1	1:C:86:ILE:H	18	0.55
(1,916)	1:C:56:TYR:HD2	1:C:86:ILE:H	18	0.55
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	15	0.55
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	15	0.55
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	15	0.55
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	15	0.55
(1,830)	1:C:31:VAL:HG21	1:C:123:PHE:HE1	9	0.55
(1,830)	1:C:31:VAL:HG21	1:C:123:PHE:HE2	9	0.55
(1,830)	1:C:31:VAL:HG22	1:C:123:PHE:HE1	9	0.55
(1,830)	1:C:31:VAL:HG22	1:C:123:PHE:HE2	9	0.55
(1,830)	1:C:31:VAL:HG23	1:C:123:PHE:HE1	9	0.55
(1,830)	1:C:31:VAL:HG23	1:C:123:PHE:HE2	9	0.55
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	18	0.55
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	11	0.55
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	9	0.55
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	9	0.55
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	9	0.55
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	9	0.55
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	9	0.55
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	9	0.55
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	9	0.55
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	9	0.55
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	9	0.55
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD21	19	0.55
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD22	19	0.55
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD23	19	0.55
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	5	0.55
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	13	0.55
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	13	0.55
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	8	0.55
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	8	0.55
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	13	0.55
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	7	0.55
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	7	0.55
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	7	0.55
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	7	0.55
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	7	0.55
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	7	0.55
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	7	0.55
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	7	0.55
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	2	0.55
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	15	0.55
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	15	0.55
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	15	0.55
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	15	0.55
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	15	0.55
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	15	0.55
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	15	0.55
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	15	0.55
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	15	0.55
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	15	0.55
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	13	0.55
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	13	0.55
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	13	0.55
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	13	0.55
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	13	0.55
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	13	0.55
(1,1207)	1:D:35:ASP:H	1:D:36:TRP:HE1	16	0.55
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	14	0.55
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	14	0.55
(1,1108)	1:C:131:VAL:HG11	1:C:133:PHE:H	9	0.55
(1,1108)	1:C:131:VAL:HG12	1:C:133:PHE:H	9	0.55
(1,1108)	1:C:131:VAL:HG13	1:C:133:PHE:H	9	0.55
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	5	0.55
(1,1022)	1:C:91:GLY:H	1:C:95:ALA:H	17	0.55
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	11	0.55
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD1	1	0.54
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD2	1	0.54
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD1	1	0.54
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD2	1	0.54
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	20	0.54
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	2	0.54
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	2	0.54
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	2	0.54
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	2	0.54
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	2	0.54
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	2	0.54
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	2	0.54
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	2	0.54
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	1	0.54
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	1	0.54
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	1	0.54
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	16	0.54
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	16	0.54
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	16	0.54
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	3	0.54
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	8	0.54
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	5	0.54
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	5	0.54
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	9	0.54
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	9	0.54
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	9	0.54
(1,464)	1:B:32:PHE:H	1:B:34:LYS:H	13	0.54
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	17	0.54
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	5	0.54
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	15	0.54
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	6	0.54
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	18	0.54
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	18	0.54
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	18	0.54
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	18	0.54
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	18	0.54
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	18	0.54
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	18	0.54
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	18	0.54
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	18	0.54
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	20	0.54
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	20	0.54
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	20	0.54
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	20	0.54
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	20	0.54
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	20	0.54
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	20	0.54
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	20	0.54
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	13	0.54
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	5	0.54
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	5	0.54
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	5	0.54
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	5	0.54
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	5	0.54
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	10	0.54
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	10	0.54
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	2	0.54
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	9	0.54
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	19	0.54
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD21	14	0.54
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD22	14	0.54
(1,105)	1:A:40:VAL:HG11	1:A:128:LEU:HD23	14	0.54
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD21	14	0.54
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD22	14	0.54
(1,105)	1:A:40:VAL:HG12	1:A:128:LEU:HD23	14	0.54
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD21	14	0.54
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD22	14	0.54
(1,105)	1:A:40:VAL:HG13	1:A:128:LEU:HD23	14	0.54
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	7	0.53
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	15	0.53
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	5	0.53
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	5	0.53
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	9	0.53
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	9	0.53
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	9	0.53
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	9	0.53
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	19	0.53
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	18	0.53
(1,521)	1:B:51:LEU:H	1:B:57:GLU:H	3	0.53
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	5	0.53
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	5	0.53
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	5	0.53
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	13	0.53
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	18	0.53
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	14	0.53
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	8	0.53
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	17	0.53
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	7	0.53
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG21	7	0.53
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG22	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG23	7	0.53
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG21	7	0.53
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG22	7	0.53
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG23	7	0.53
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG21	7	0.53
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG22	7	0.53
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG23	7	0.53
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD11	5	0.53
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD12	5	0.53
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD13	5	0.53
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD11	5	0.53
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD12	5	0.53
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD13	5	0.53
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD11	5	0.53
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD12	5	0.53
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD13	5	0.53
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	9	0.53
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	9	0.53
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	9	0.53
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	9	0.53
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	9	0.53
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	9	0.53
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	9	0.53
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	9	0.53
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	9	0.53
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	20	0.53
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	20	0.53
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	20	0.53
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	6	0.52
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	15	0.52
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	15	0.52
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	5	0.52
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	10	0.52
(1,640)	1:B:92:THR:H	1:B:94:MET:H	11	0.52
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	5	0.52
(1,478)	1:B:39:GLU:H	1:B:67:SER:H	2	0.52
(1,414)	1:B:12:GLN:H	1:B:85:SER:H	15	0.52
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	19	0.52
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	7	0.52
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	7	0.52
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	7	0.52
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	7	0.52
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	7	0.52
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	20	0.52
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	20	0.52
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	13	0.52
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	4	0.52
(1,182)	1:A:58:VAL:HG11	1:A:98:LEU:HD21	2	0.52
(1,182)	1:A:58:VAL:HG11	1:A:98:LEU:HD22	2	0.52
(1,182)	1:A:58:VAL:HG11	1:A:98:LEU:HD23	2	0.52
(1,182)	1:A:58:VAL:HG12	1:A:98:LEU:HD21	2	0.52
(1,182)	1:A:58:VAL:HG12	1:A:98:LEU:HD22	2	0.52
(1,182)	1:A:58:VAL:HG12	1:A:98:LEU:HD23	2	0.52
(1,182)	1:A:58:VAL:HG13	1:A:98:LEU:HD21	2	0.52
(1,182)	1:A:58:VAL:HG13	1:A:98:LEU:HD22	2	0.52
(1,182)	1:A:58:VAL:HG13	1:A:98:LEU:HD23	2	0.52
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	14	0.52
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	14	0.52
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	14	0.52
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	14	0.52
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	14	0.52
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	14	0.52
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	14	0.52
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	14	0.52
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	14	0.52
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	14	0.52
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	3	0.52
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	3	0.52
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	3	0.52
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	1	0.52
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	1	0.52
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	1	0.52
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	16	0.52
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	16	0.52
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	18	0.52
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	18	0.52
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	8	0.52
(1,115)	1:A:42:LEU:HD21	1:A:43:ASP:H	13	0.52
(1,115)	1:A:42:LEU:HD22	1:A:43:ASP:H	13	0.52
(1,115)	1:A:42:LEU:HD23	1:A:43:ASP:H	13	0.52
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	14	0.52
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	14	0.52
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	18	0.52
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	7	0.51
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	7	0.51
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	7	0.51
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	19	0.51
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	7	0.51
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	7	0.51
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	7	0.51
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	17	0.51
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	13	0.51
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	13	0.51
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	16	0.51
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	16	0.51
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	5	0.51
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	14	0.51
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	14	0.51
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	14	0.51
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	14	0.51
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	14	0.51
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	14	0.51
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	14	0.51
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	14	0.51
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	14	0.51
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	8	0.51
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	15	0.51
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	15	0.51
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	15	0.51
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	15	0.51
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	15	0.51
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	15	0.51
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	15	0.51
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	15	0.51
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	15	0.51
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	15	0.51
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	15	0.51
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	8	0.51
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	4	0.51
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	12	0.51
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	13	0.51
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	5	0.51
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	13	0.51
(1,171)	1:A:56:TYR:H	1:A:86:ILE:H	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:D:68:LEU:HD21	1:D:73:ALA:HB1	15	0.51
(1,1332)	1:D:68:LEU:HD21	1:D:73:ALA:HB2	15	0.51
(1,1332)	1:D:68:LEU:HD21	1:D:73:ALA:HB3	15	0.51
(1,1332)	1:D:68:LEU:HD22	1:D:73:ALA:HB1	15	0.51
(1,1332)	1:D:68:LEU:HD22	1:D:73:ALA:HB2	15	0.51
(1,1332)	1:D:68:LEU:HD22	1:D:73:ALA:HB3	15	0.51
(1,1332)	1:D:68:LEU:HD23	1:D:73:ALA:HB1	15	0.51
(1,1332)	1:D:68:LEU:HD23	1:D:73:ALA:HB2	15	0.51
(1,1332)	1:D:68:LEU:HD23	1:D:73:ALA:HB3	15	0.51
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	15	0.51
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD21	13	0.51
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD22	13	0.51
(1,1279)	1:D:58:VAL:HG11	1:D:60:LEU:HD23	13	0.51
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD21	13	0.51
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD22	13	0.51
(1,1279)	1:D:58:VAL:HG12	1:D:60:LEU:HD23	13	0.51
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD21	13	0.51
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD22	13	0.51
(1,1279)	1:D:58:VAL:HG13	1:D:60:LEU:HD23	13	0.51
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	16	0.51
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	16	0.51
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	16	0.51
(1,1225)	1:D:42:LEU:HD21	1:D:43:ASP:H	2	0.51
(1,1225)	1:D:42:LEU:HD22	1:D:43:ASP:H	2	0.51
(1,1225)	1:D:42:LEU:HD23	1:D:43:ASP:H	2	0.51
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	1	0.51
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	5	0.51
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD21	8	0.51
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD22	8	0.51
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD23	8	0.51
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD21	8	0.51
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD22	8	0.51
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD23	8	0.51
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD21	8	0.51
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD22	8	0.51
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD23	8	0.51
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	11	0.5
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	3	0.5
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG11	12	0.5
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG12	12	0.5
(1,850)	1:C:40:VAL:HG11	1:C:64:VAL:HG13	12	0.5
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG11	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG12	12	0.5
(1,850)	1:C:40:VAL:HG12	1:C:64:VAL:HG13	12	0.5
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG11	12	0.5
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG12	12	0.5
(1,850)	1:C:40:VAL:HG13	1:C:64:VAL:HG13	12	0.5
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	18	0.5
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	20	0.5
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	15	0.5
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	7	0.5
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	10	0.5
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	10	0.5
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	10	0.5
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	5	0.5
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	15	0.5
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	7	0.5
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	7	0.5
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	7	0.5
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	10	0.5
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	19	0.5
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	19	0.5
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	19	0.5
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	19	0.5
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	19	0.5
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	19	0.5
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	19	0.5
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	19	0.5
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	19	0.5
(1,521)	1:B:51:LEU:H	1:B:57:GLU:H	14	0.5
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	20	0.5
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	20	0.5
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	20	0.5
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	20	0.5
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	20	0.5
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	20	0.5
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	7	0.5
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD1	15	0.5
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD2	15	0.5
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD1	15	0.5
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD2	15	0.5
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD1	15	0.5
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD2	15	0.5
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	11	0.5
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	19	0.5
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	19	0.5
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	19	0.5
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	12	0.5
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	12	0.5
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	12	0.5
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	12	0.5
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	12	0.5
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	12	0.5
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	12	0.5
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	12	0.5
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	12	0.5
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	8	0.5
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	8	0.5
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	18	0.5
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	11	0.49
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	11	0.49
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	11	0.49
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	11	0.49
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	20	0.49
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	20	0.49
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	20	0.49
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	20	0.49
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	2	0.49
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	16	0.49
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	6	0.49
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	13	0.49
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	13	0.49
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	13	0.49
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	18	0.49
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	18	0.49
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	18	0.49
(1,830)	1:C:31:VAL:HG21	1:C:123:PHE:HE1	16	0.49
(1,830)	1:C:31:VAL:HG21	1:C:123:PHE:HE2	16	0.49
(1,830)	1:C:31:VAL:HG22	1:C:123:PHE:HE1	16	0.49
(1,830)	1:C:31:VAL:HG22	1:C:123:PHE:HE2	16	0.49
(1,830)	1:C:31:VAL:HG23	1:C:123:PHE:HE1	16	0.49
(1,830)	1:C:31:VAL:HG23	1:C:123:PHE:HE2	16	0.49
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	9	0.49
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	18	0.49
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	8	0.49
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	16	0.49
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	12	0.49
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	4	0.49
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	4	0.49
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	7	0.49
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	2	0.49
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	2	0.49
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	14	0.49
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	17	0.49
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	20	0.49
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	14	0.49
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	14	0.49
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	14	0.49
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD11	4	0.49
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD12	4	0.49
(1,1282)	1:D:58:VAL:HG21	1:D:98:LEU:HD13	4	0.49
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD11	4	0.49
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD12	4	0.49
(1,1282)	1:D:58:VAL:HG22	1:D:98:LEU:HD13	4	0.49
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD11	4	0.49
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD12	4	0.49
(1,1282)	1:D:58:VAL:HG23	1:D:98:LEU:HD13	4	0.49
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	2	0.49
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	2	0.49
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	2	0.49
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	14	0.49
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	14	0.49
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	14	0.49
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	14	0.49
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	14	0.49
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	14	0.49
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD11	14	0.49
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD12	14	0.49
(1,1226)	1:D:42:LEU:HD21	1:D:44:LEU:HD13	14	0.49
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD11	14	0.49
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD12	14	0.49
(1,1226)	1:D:42:LEU:HD22	1:D:44:LEU:HD13	14	0.49
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD11	14	0.49
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD12	14	0.49
(1,1226)	1:D:42:LEU:HD23	1:D:44:LEU:HD13	14	0.49
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	4	0.49
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	4	0.49
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	20	0.49
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	1	0.49
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	1	0.49
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	1	0.49
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	1	0.49
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	1	0.49
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	12	0.49
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	12	0.49
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	4	0.49
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	19	0.49
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD21	13	0.48
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD22	13	0.48
(1,931)	1:C:58:VAL:HG21	1:C:98:LEU:HD23	13	0.48
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD21	13	0.48
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD22	13	0.48
(1,931)	1:C:58:VAL:HG22	1:C:98:LEU:HD23	13	0.48
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD21	13	0.48
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD22	13	0.48
(1,931)	1:C:58:VAL:HG23	1:C:98:LEU:HD23	13	0.48
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	20	0.48
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	5	0.48
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	17	0.48
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	17	0.48
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	17	0.48
(1,826)	1:C:31:VAL:HG11	1:C:36:TRP:HZ3	18	0.48
(1,826)	1:C:31:VAL:HG12	1:C:36:TRP:HZ3	18	0.48
(1,826)	1:C:31:VAL:HG13	1:C:36:TRP:HZ3	18	0.48
(1,824)	1:C:31:VAL:HG11	1:C:32:PHE:H	12	0.48
(1,824)	1:C:31:VAL:HG12	1:C:32:PHE:H	12	0.48
(1,824)	1:C:31:VAL:HG13	1:C:32:PHE:H	12	0.48
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	16	0.48
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	1	0.48
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	1	0.48
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	14	0.48
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	3	0.48
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	17	0.48
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	2	0.48
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	2	0.48
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	2	0.48
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	2	0.48
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	2	0.48
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	2	0.48
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	2	0.48
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	2	0.48
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	15	0.48
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	1	0.48
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	1	0.48
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	6	0.48
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	4	0.48
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	10	0.48
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	7	0.48
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	18	0.48
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	12	0.48
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	9	0.48
(1,233)	1:A:68:LEU:HD11	1:A:73:ALA:H	10	0.48
(1,233)	1:A:68:LEU:HD12	1:A:73:ALA:H	10	0.48
(1,233)	1:A:68:LEU:HD13	1:A:73:ALA:H	10	0.48
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	9	0.48
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	11	0.48
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	20	0.48
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	13	0.48
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	13	0.48
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	13	0.48
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	13	0.48
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	5	0.48
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	10	0.48
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	10	0.48
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	10	0.48
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	15	0.47
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	15	0.47
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	15	0.47
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	15	0.47
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	15	0.47
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	15	0.47
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	15	0.47
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	15	0.47
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	15	0.47
(1,872)	1:C:44:LEU:HD11	1:C:63:THR:H	19	0.47
(1,872)	1:C:44:LEU:HD12	1:C:63:THR:H	19	0.47
(1,872)	1:C:44:LEU:HD13	1:C:63:THR:H	19	0.47
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	5	0.47
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	5	0.47
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	5	0.47
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	5	0.47
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	5	0.47
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	5	0.47
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	5	0.47
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	5	0.47
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	19	0.47
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	19	0.47
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	17	0.47
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	17	0.47
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	20	0.47
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	20	0.47
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	20	0.47
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	1	0.47
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	10	0.47
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	9	0.47
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	12	0.47
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	11	0.47
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	11	0.47
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	11	0.47
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	11	0.47
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	18	0.47
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	8	0.47
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	5	0.47
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	5	0.47
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	5	0.47
(1,285)	1:A:92:THR:H	1:A:94:MET:H	17	0.47
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	18	0.47
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	18	0.47
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	18	0.47
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	18	0.47
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	18	0.47
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	18	0.47
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	18	0.47
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	18	0.47
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	18	0.47
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	1	0.47
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	16	0.47
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	16	0.47
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	16	0.47
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	16	0.47
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	16	0.47
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	16	0.47
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	16	0.47
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	16	0.47
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	17	0.47
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	20	0.47
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	20	0.47
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	20	0.47
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE1	20	0.47
(1,1234)	1:D:44:LEU:HD21	1:D:133:PHE:HE2	20	0.47
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE1	20	0.47
(1,1234)	1:D:44:LEU:HD22	1:D:133:PHE:HE2	20	0.47
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE1	20	0.47
(1,1234)	1:D:44:LEU:HD23	1:D:133:PHE:HE2	20	0.47
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	1	0.47
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	1	0.47
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	1	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	2	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	2	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	2	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	9	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	9	0.47
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	9	0.47
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	8	0.47
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	8	0.47
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	8	0.47
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	7	0.47
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	7	0.47
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	11	0.47
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	11	0.47
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	6	0.47
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	1	0.46
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	12	0.46
(1,871)	1:C:44:LEU:HD11	1:C:62:VAL:HG21	18	0.46
(1,871)	1:C:44:LEU:HD11	1:C:62:VAL:HG22	18	0.46
(1,871)	1:C:44:LEU:HD11	1:C:62:VAL:HG23	18	0.46
(1,871)	1:C:44:LEU:HD12	1:C:62:VAL:HG21	18	0.46
(1,871)	1:C:44:LEU:HD12	1:C:62:VAL:HG22	18	0.46
(1,871)	1:C:44:LEU:HD12	1:C:62:VAL:HG23	18	0.46
(1,871)	1:C:44:LEU:HD13	1:C:62:VAL:HG21	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:C:44:LEU:HD13	1:C:62:VAL:HG22	18	0.46
(1,871)	1:C:44:LEU:HD13	1:C:62:VAL:HG23	18	0.46
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	12	0.46
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	12	0.46
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	12	0.46
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	19	0.46
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	19	0.46
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	19	0.46
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD21	9	0.46
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD22	9	0.46
(1,652)	1:B:95:ALA:H	1:B:98:LEU:HD23	9	0.46
(1,640)	1:B:92:THR:H	1:B:94:MET:H	9	0.46
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	1	0.46
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	17	0.46
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	17	0.46
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	9	0.46
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	9	0.46
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	5	0.46
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	5	0.46
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	5	0.46
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	5	0.46
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	5	0.46
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	5	0.46
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	5	0.46
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	5	0.46
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	5	0.46
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	8	0.46
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	8	0.46
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	8	0.46
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	8	0.46
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	8	0.46
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	8	0.46
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	20	0.46
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	20	0.46
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	20	0.46
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	15	0.46
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	4	0.46
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	4	0.46
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	4	0.46
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	4	0.46
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	4	0.46
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	2	0.46
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	2	0.46
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	2	0.46
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	2	0.46
(1,1382)	1:D:91:GLY:H	1:D:95:ALA:H	17	0.46
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	16	0.46
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	16	0.46
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	16	0.46
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	18	0.46
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	9	0.46
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	9	0.46
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	9	0.46
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	9	0.46
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	9	0.46
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	9	0.46
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	9	0.46
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	9	0.46
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	9	0.46
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	5	0.46
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	5	0.46
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	5	0.46
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	2	0.46
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	2	0.46
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	20	0.46
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	20	0.46
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	13	0.46
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	13	0.46
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	10	0.46
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	10	0.46
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	10	0.46
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	6	0.46
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	10	0.45
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	10	0.45
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	10	0.45
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	10	0.45
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	1	0.45
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	1	0.45
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	1	0.45
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	2	0.45
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	16	0.45
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	20	0.45
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	20	0.45
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	13	0.45
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	13	0.45
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	13	0.45
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	12	0.45
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	12	0.45
(1,750)	1:B:139:ASN:H	1:B:141:LEU:H	5	0.45
(1,705)	1:B:118:VAL:HG11	1:B:119:SER:H	17	0.45
(1,705)	1:B:118:VAL:HG12	1:B:119:SER:H	17	0.45
(1,705)	1:B:118:VAL:HG13	1:B:119:SER:H	17	0.45
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	15	0.45
(1,640)	1:B:92:THR:H	1:B:94:MET:H	2	0.45
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	14	0.45
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	4	0.45
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	6	0.45
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	19	0.45
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	2	0.45
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	10	0.45
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	11	0.45
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	19	0.45
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	1	0.45
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	1	0.45
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	15	0.45
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	15	0.45
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	3	0.45
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	3	0.45
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	3	0.45
(1,414)	1:B:12:GLN:H	1:B:85:SER:H	16	0.45
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	11	0.45
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	19	0.45
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	6	0.45
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	6	0.45
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	6	0.45
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	6	0.45
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	6	0.45
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	6	0.45
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	17	0.45
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	16	0.45
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	14	0.45
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	14	0.45
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	14	0.45
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	6	0.45
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	14	0.45
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	4	0.45
(1,1014)	1:C:87:ALA:H	1:C:89:ILE:H	10	0.45
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	7	0.44
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	7	0.44
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	7	0.44
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	7	0.44
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	10	0.44
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	16	0.44
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	1	0.44
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	1	0.44
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	1	0.44
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD21	14	0.44
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD22	14	0.44
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD23	14	0.44
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	2	0.44
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	11	0.44
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	16	0.44
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	16	0.44
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	16	0.44
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG11	8	0.44
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG12	8	0.44
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG13	8	0.44
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	1	0.44
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	18	0.44
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	5	0.44
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	5	0.44
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	13	0.44
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	15	0.44
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	15	0.44
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	15	0.44
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	15	0.44
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	15	0.44
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	15	0.44
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	15	0.44
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	7	0.44
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	14	0.44
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	13	0.44
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	13	0.44
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	13	0.44
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	10	0.44
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	10	0.44
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	10	0.44
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	10	0.44
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	10	0.44
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	10	0.44
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	13	0.44
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	10	0.44
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	8	0.44
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	8	0.44
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	8	0.44
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD11	6	0.44
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD12	6	0.44
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD13	6	0.44
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD11	6	0.44
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD12	6	0.44
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD13	6	0.44
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	7	0.44
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	7	0.44
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	7	0.44
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	7	0.44
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	7	0.44
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	7	0.44
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	12	0.44
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD11	7	0.44
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD12	7	0.44
(1,1219)	1:D:40:VAL:HG11	1:D:126:LEU:HD13	7	0.44
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD11	7	0.44
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD12	7	0.44
(1,1219)	1:D:40:VAL:HG12	1:D:126:LEU:HD13	7	0.44
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD11	7	0.44
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD12	7	0.44
(1,1219)	1:D:40:VAL:HG13	1:D:126:LEU:HD13	7	0.44
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	1	0.44
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	1	0.44
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	15	0.44
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	15	0.44
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	2	0.44
(1,1138)	1:D:10:THR:H	1:D:89:ILE:H	20	0.44
(1,1108)	1:C:131:VAL:HG11	1:C:133:PHE:H	3	0.44
(1,1108)	1:C:131:VAL:HG12	1:C:133:PHE:H	3	0.44
(1,1108)	1:C:131:VAL:HG13	1:C:133:PHE:H	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB1	16	0.44
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB2	16	0.44
(1,1105)	1:C:128:LEU:HD11	1:C:129:ALA:HB3	16	0.44
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB1	16	0.44
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB2	16	0.44
(1,1105)	1:C:128:LEU:HD12	1:C:129:ALA:HB3	16	0.44
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB1	16	0.44
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB2	16	0.44
(1,1105)	1:C:128:LEU:HD13	1:C:129:ALA:HB3	16	0.44
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	13	0.44
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	13	0.44
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	13	0.44
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	8	0.44
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	6	0.43
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	14	0.43
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	8	0.43
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	8	0.43
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	8	0.43
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	3	0.43
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	2	0.43
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	13	0.43
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	11	0.43
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	4	0.43
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	17	0.43
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	7	0.43
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	7	0.43
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	17	0.43
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	18	0.43
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	18	0.43
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	18	0.43
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	18	0.43
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	18	0.43
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	18	0.43
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	7	0.43
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	17	0.43
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	16	0.43
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	5	0.43
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	5	0.43
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	5	0.43
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	5	0.43
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	5	0.43
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD11	19	0.43
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD12	19	0.43
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD13	19	0.43
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD11	19	0.43
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD12	19	0.43
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD13	19	0.43
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	16	0.43
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	5	0.43
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	16	0.43
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	13	0.43
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	9	0.43
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	15	0.43
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	14	0.43
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	14	0.43
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	14	0.43
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	3	0.43
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	19	0.43
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	8	0.43
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	8	0.43
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	9	0.43
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	16	0.43
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG11	20	0.42
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG12	20	0.42
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG13	20	0.42
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG11	20	0.42
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG12	20	0.42
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG13	20	0.42
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	19	0.42
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	19	0.42
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	13	0.42
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	11	0.42
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	11	0.42
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	8	0.42
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	9	0.42
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	5	0.42
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	5	0.42
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	5	0.42
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	5	0.42
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	5	0.42
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	5	0.42
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	5	0.42
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	5	0.42
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	15	0.42
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	2	0.42
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	17	0.42
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	14	0.42
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	14	0.42
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	20	0.42
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	19	0.42
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	14	0.42
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	14	0.42
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	14	0.42
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	20	0.42
(1,384)	1:A:135:ALA:H	1:A:138:MET:H	7	0.42
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	1	0.42
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	8	0.42
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	14	0.42
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	3	0.42
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	10	0.42
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	12	0.42
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	18	0.42
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	8	0.42
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	8	0.42
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	8	0.42
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	8	0.42
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	8	0.42
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	8	0.42
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	8	0.42
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	12	0.42
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	10	0.42
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	16	0.42
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	16	0.42
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	16	0.42
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	8	0.42
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	14	0.42
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	14	0.42
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	6	0.42
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	6	0.42
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	17	0.42
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD11	8	0.42
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD12	8	0.42
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD13	8	0.42
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD11	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD12	8	0.42
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD13	8	0.42
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD11	8	0.42
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD12	8	0.42
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD13	8	0.42
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD1	5	0.41
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD2	5	0.41
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD1	5	0.41
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD2	5	0.41
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG11	6	0.41
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG12	6	0.41
(1,987)	1:C:74:PHE:HE1	1:C:118:VAL:HG13	6	0.41
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG11	6	0.41
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG12	6	0.41
(1,987)	1:C:74:PHE:HE2	1:C:118:VAL:HG13	6	0.41
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	2	0.41
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	2	0.41
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	2	0.41
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	13	0.41
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	4	0.41
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	2	0.41
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD11	4	0.41
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD12	4	0.41
(1,860)	1:C:42:LEU:HD21	1:C:44:LEU:HD13	4	0.41
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD11	4	0.41
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD12	4	0.41
(1,860)	1:C:42:LEU:HD22	1:C:44:LEU:HD13	4	0.41
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD11	4	0.41
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD12	4	0.41
(1,860)	1:C:42:LEU:HD23	1:C:44:LEU:HD13	4	0.41
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	14	0.41
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	17	0.41
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	14	0.41
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	14	0.41
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	14	0.41
(1,719)	1:B:126:LEU:HD21	1:B:128:LEU:H	15	0.41
(1,719)	1:B:126:LEU:HD22	1:B:128:LEU:H	15	0.41
(1,719)	1:B:126:LEU:HD23	1:B:128:LEU:H	15	0.41
(1,716)	1:B:125:GLN:H	1:C:125:GLN:H	5	0.41
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	8	0.41
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	5	0.41
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	9	0.41
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	12	0.41
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	12	0.41
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	12	0.41
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	12	0.41
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	12	0.41
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	12	0.41
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	12	0.41
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	12	0.41
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	12	0.41
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	12	0.41
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	6	0.41
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	19	0.41
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	16	0.41
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	18	0.41
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	1	0.41
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	11	0.41
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	11	0.41
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	9	0.41
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	15	0.41
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	5	0.41
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	2	0.41
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	11	0.41
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	8	0.41
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	5	0.41
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	5	0.41
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	5	0.41
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	5	0.41
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	5	0.41
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	5	0.41
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	5	0.41
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	5	0.41
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	5	0.41
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	5	0.41
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	5	0.41
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	5	0.41
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	11	0.41
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	11	0.41
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	11	0.41
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	11	0.41
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	11	0.41
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	16	0.41
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	6	0.41
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	11	0.41
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	10	0.41
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	17	0.41
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	17	0.41
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	17	0.41
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	19	0.41
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	19	0.41
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	19	0.41
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	17	0.4
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	17	0.4
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	17	0.4
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	10	0.4
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD21	2	0.4
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD22	2	0.4
(1,925)	1:C:58:VAL:HG11	1:C:60:LEU:HD23	2	0.4
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD21	2	0.4
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD22	2	0.4
(1,925)	1:C:58:VAL:HG12	1:C:60:LEU:HD23	2	0.4
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD21	2	0.4
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD22	2	0.4
(1,925)	1:C:58:VAL:HG13	1:C:60:LEU:HD23	2	0.4
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	1	0.4
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	5	0.4
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	4	0.4
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	10	0.4
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	18	0.4
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	3	0.4
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	2	0.4
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	2	0.4
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	2	0.4
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	2	0.4
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	2	0.4
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	2	0.4
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	2	0.4
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	2	0.4
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	2	0.4
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	17	0.4
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	17	0.4
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	17	0.4
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	14	0.4
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	15	0.4
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	17	0.4
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	4	0.4
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	9	0.4
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	8	0.4
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	8	0.4
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	8	0.4
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	8	0.4
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	8	0.4
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	8	0.4
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	8	0.4
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	8	0.4
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	8	0.4
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	3	0.4
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	5	0.4
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD11	14	0.4
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD12	14	0.4
(1,483)	1:B:40:VAL:HG11	1:B:126:LEU:HD13	14	0.4
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD11	14	0.4
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD12	14	0.4
(1,483)	1:B:40:VAL:HG12	1:B:126:LEU:HD13	14	0.4
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD11	14	0.4
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD12	14	0.4
(1,483)	1:B:40:VAL:HG13	1:B:126:LEU:HD13	14	0.4
(1,446)	1:B:24:GLU:H	1:B:75:LEU:H	10	0.4
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	8	0.4
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	16	0.4
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	2	0.4
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	8	0.4
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	17	0.4
(1,3)	1:A:10:THR:H	1:A:87:ALA:H	15	0.4
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	15	0.4
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	2	0.4
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	10	0.4
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	8	0.4
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	11	0.4
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	11	0.4
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	11	0.4
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	11	0.4
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	11	0.4
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	9	0.4
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	9	0.4
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	9	0.4
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	9	0.4
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	9	0.4
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	9	0.4
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	18	0.4
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	5	0.4
(1,137)	1:A:47:ALA:H	1:A:60:LEU:HD21	9	0.4
(1,137)	1:A:47:ALA:H	1:A:60:LEU:HD22	9	0.4
(1,137)	1:A:47:ALA:H	1:A:60:LEU:HD23	9	0.4
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	14	0.4
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	3	0.4
(1,1292)	1:D:60:LEU:HD11	1:D:62:VAL:H	4	0.4
(1,1292)	1:D:60:LEU:HD12	1:D:62:VAL:H	4	0.4
(1,1292)	1:D:60:LEU:HD13	1:D:62:VAL:H	4	0.4
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	3	0.4
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	14	0.4
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	14	0.4
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	3	0.4
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	3	0.4
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	4	0.4
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	4	0.4
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	20	0.4
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	10	0.4
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	10	0.4
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	14	0.4
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	14	0.4
(1,111)	1:A:41:LYS:H	1:A:65:THR:H	5	0.4
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	3	0.4
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	15	0.4
(1,1050)	1:C:99:GLY:H	1:C:102:CYS:H	15	0.4
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	9	0.4
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	4	0.39
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	20	0.39
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	16	0.39
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	5	0.39
(1,777)	1:C:17:TYR:HE1	1:C:82:GLY:H	1	0.39
(1,777)	1:C:17:TYR:HE2	1:C:82:GLY:H	1	0.39
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	11	0.39
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	20	0.39
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	4	0.39
(1,716)	1:B:125:GLN:H	1:C:125:GLN:H	18	0.39
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	8	0.39
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	7	0.39
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	19	0.39
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	1	0.39
(1,550)	1:B:58:VAL:H	1:B:84:PHE:H	7	0.39
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	20	0.39
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	20	0.39
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	7	0.39
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	7	0.39
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	7	0.39
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	7	0.39
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	7	0.39
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	7	0.39
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD11	5	0.39
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD12	5	0.39
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD13	5	0.39
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD11	5	0.39
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD12	5	0.39
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD13	5	0.39
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD11	5	0.39
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD12	5	0.39
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD13	5	0.39
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	11	0.39
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	14	0.39
(1,39)	1:A:20:ASP:H	1:A:79:GLN:H	16	0.39
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	16	0.39
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	10	0.39
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	10	0.39
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	10	0.39
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	10	0.39
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	10	0.39
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	10	0.39
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	10	0.39
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	10	0.39
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	10	0.39
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	5	0.39
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	5	0.39
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	5	0.39
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	5	0.39
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	5	0.39
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	5	0.39
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	19	0.39
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	19	0.39
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	19	0.39
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	19	0.39
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	19	0.39
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	19	0.39
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	2	0.39
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	2	0.39
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	2	0.39
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	2	0.39
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	2	0.39
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	2	0.39
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	5	0.39
(1,131)	1:A:45:ASP:H	1:A:62:VAL:H	7	0.39
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	10	0.39
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	7	0.39
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	7	0.39
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	7	0.39
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	17	0.39
(1,1176)	1:D:24:GLU:H	1:D:75:LEU:H	16	0.39
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	10	0.39
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	10	0.39
(1,1138)	1:D:10:THR:H	1:D:89:ILE:H	4	0.39
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	11	0.39
(1,99)	1:A:39:GLU:H	1:A:67:SER:H	16	0.38
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	12	0.38
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	12	0.38
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	12	0.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	8	0.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	8	0.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	8	0.38
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	8	0.38
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	8	0.38
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	8	0.38
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	8	0.38
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	8	0.38
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	8	0.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	13	0.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	13	0.38
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	13	0.38
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	13	0.38
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	13	0.38
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	13	0.38
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	13	0.38
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	13	0.38
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	14	0.38
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG11	19	0.38
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG12	19	0.38
(1,861)	1:C:42:LEU:HD21	1:C:62:VAL:HG13	19	0.38
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG11	19	0.38
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG12	19	0.38
(1,861)	1:C:42:LEU:HD22	1:C:62:VAL:HG13	19	0.38
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG11	19	0.38
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG12	19	0.38
(1,861)	1:C:42:LEU:HD23	1:C:62:VAL:HG13	19	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	6	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	6	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	6	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	7	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	7	0.38
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	7	0.38
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	11	0.38
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	12	0.38
(1,777)	1:C:17:TYR:HE1	1:C:82:GLY:H	12	0.38
(1,777)	1:C:17:TYR:HE2	1:C:82:GLY:H	12	0.38
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	5	0.38
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	5	0.38
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	7	0.38
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	2	0.38
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	13	0.38
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	19	0.38
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	19	0.38
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	19	0.38
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	19	0.38
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	19	0.38
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	19	0.38
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	19	0.38
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	19	0.38
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	19	0.38
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	3	0.38
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	4	0.38
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	10	0.38
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	10	0.38
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	1	0.38
(1,475)	1:B:36:TRP:HE3	1:B:37:GLN:H	7	0.38
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	6	0.38
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	6	0.38
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	6	0.38
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	12	0.38
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	12	0.38
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	12	0.38
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	10	0.38
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	16	0.38
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	4	0.38
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	4	0.38
(1,370)	1:A:128:LEU:HD21	1:A:129:ALA:H	11	0.38
(1,370)	1:A:128:LEU:HD22	1:A:129:ALA:H	11	0.38
(1,370)	1:A:128:LEU:HD23	1:A:129:ALA:H	11	0.38
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	19	0.38
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	2	0.38
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	5	0.38
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	5	0.38
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	5	0.38
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	16	0.38
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	19	0.38
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	9	0.38
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	6	0.38
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	6	0.38
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	6	0.38
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	13	0.38
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	9	0.38
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	15	0.38
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	19	0.38
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	1	0.38
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	8	0.38
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	5	0.38
(1,1138)	1:D:10:THR:H	1:D:89:ILE:H	12	0.38
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	13	0.38
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	13	0.38
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	20	0.38
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	20	0.38
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	20	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:C:91:GLY:H	1:C:95:ALA:H	16	0.38
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	5	0.37
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	5	0.37
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	5	0.37
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	13	0.37
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	3	0.37
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	7	0.37
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	1	0.37
(1,77)	1:A:31:VAL:HG11	1:A:36:TRP:HZ3	7	0.37
(1,77)	1:A:31:VAL:HG12	1:A:36:TRP:HZ3	7	0.37
(1,77)	1:A:31:VAL:HG13	1:A:36:TRP:HZ3	7	0.37
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	13	0.37
(1,748)	1:B:138:MET:H	1:B:141:LEU:H	17	0.37
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	3	0.37
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	5	0.37
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	19	0.37
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	10	0.37
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	19	0.37
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	18	0.37
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	2	0.37
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	7	0.37
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	16	0.37
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	14	0.37
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD21	3	0.37
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD22	3	0.37
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD23	3	0.37
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	8	0.37
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	3	0.37
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	3	0.37
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	8	0.37
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	8	0.37
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	15	0.37
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	12	0.37
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	19	0.37
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	20	0.37
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	12	0.37
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	6	0.37
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	6	0.37
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	6	0.37
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	6	0.37
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	6	0.37
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	6	0.37
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	6	0.37
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	6	0.37
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD11	3	0.37
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD12	3	0.37
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD13	3	0.37
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD21	3	0.37
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD22	3	0.37
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD23	3	0.37
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD11	3	0.37
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD12	3	0.37
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD13	3	0.37
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD21	3	0.37
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD22	3	0.37
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD23	3	0.37
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD11	3	0.37
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD12	3	0.37
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD13	3	0.37
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD21	3	0.37
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD22	3	0.37
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD23	3	0.37
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD11	3	0.37
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD12	3	0.37
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD13	3	0.37
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD21	3	0.37
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD22	3	0.37
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD23	3	0.37
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD11	3	0.37
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD12	3	0.37
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD13	3	0.37
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD21	3	0.37
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD22	3	0.37
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD23	3	0.37
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD11	3	0.37
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD12	3	0.37
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD13	3	0.37
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD21	3	0.37
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD22	3	0.37
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD23	3	0.37
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	12	0.37
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	12	0.37
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	12	0.37
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	12	0.37
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	12	0.37
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	12	0.37
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	12	0.37
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	12	0.37
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	12	0.37
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	12	0.37
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	12	0.37
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	12	0.37
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	12	0.37
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	12	0.37
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	12	0.37
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	12	0.37
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	12	0.37
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	12	0.37
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	12	0.37
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	12	0.37
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	12	0.37
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	12	0.37
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	12	0.37
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	12	0.37
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	12	0.37
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	12	0.37
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	12	0.37
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	12	0.37
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	12	0.37
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	12	0.37
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	12	0.37
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	12	0.37
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	12	0.37
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	12	0.37
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	12	0.37
(1,1204)	1:D:34:LYS:H	1:D:35:ASP:H	6	0.37
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	9	0.37
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	12	0.37
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	12	0.37
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD21	4	0.37
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD22	4	0.37
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD23	4	0.37
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD21	4	0.37
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD22	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD23	4	0.37
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD21	4	0.37
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD22	4	0.37
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD23	4	0.37
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	16	0.37
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	1	0.36
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	3	0.36
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	20	0.36
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	18	0.36
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	16	0.36
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	17	0.36
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	17	0.36
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	17	0.36
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD1	13	0.36
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD2	13	0.36
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD1	13	0.36
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD2	13	0.36
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD1	13	0.36
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD2	13	0.36
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	16	0.36
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	4	0.36
(1,644)	1:B:93:GLN:H	1:B:96:HIS:H	9	0.36
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	14	0.36
(1,550)	1:B:58:VAL:H	1:B:84:PHE:H	6	0.36
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	17	0.36
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	18	0.36
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	9	0.36
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	5	0.36
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	18	0.36
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	6	0.36
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	15	0.36
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	3	0.36
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	13	0.36
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	11	0.36
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	2	0.36
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	15	0.36
(1,19)	1:A:14:GLN:H	1:A:85:SER:H	8	0.36
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	2	0.36
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	2	0.36
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	2	0.36
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	2	0.36
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	2	0.36
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	6	0.36
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	8	0.36
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	5	0.36
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	5	0.36
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	5	0.36
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	5	0.36
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	5	0.36
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	5	0.36
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	1	0.36
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	1	0.36
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	1	0.36
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	1	0.36
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	15	0.36
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD11	10	0.36
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD12	10	0.36
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD13	10	0.36
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD21	10	0.36
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD22	10	0.36
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD23	10	0.36
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD11	10	0.36
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD12	10	0.36
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD13	10	0.36
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD21	10	0.36
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD22	10	0.36
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD23	10	0.36
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD11	10	0.36
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD12	10	0.36
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD13	10	0.36
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD21	10	0.36
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD22	10	0.36
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD23	10	0.36
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	13	0.36
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	13	0.36
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	13	0.36
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	13	0.36
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	13	0.36
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	13	0.36
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	13	0.36
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	13	0.36
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	13	0.36
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	7	0.36
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	2	0.36
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	18	0.36
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	17	0.36
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	17	0.36
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	9	0.36
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	9	0.36
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	20	0.36
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	8	0.36
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	8	0.36
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	3	0.36
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	3	0.36
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	5	0.36
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	19	0.36
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	12	0.35
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	14	0.35
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	15	0.35
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	13	0.35
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	4	0.35
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	13	0.35
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	13	0.35
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	13	0.35
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	13	0.35
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	13	0.35
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	13	0.35
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	13	0.35
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	13	0.35
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	13	0.35
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	13	0.35
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	11	0.35
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	3	0.35
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	9	0.35
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	9	0.35
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	11	0.35
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	11	0.35
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	11	0.35
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	19	0.35
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	12	0.35
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	12	0.35
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	12	0.35
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	2	0.35
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	15	0.35
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	6	0.35
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	16	0.35
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	3	0.35
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	8	0.35
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	10	0.35
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	11	0.35
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	11	0.35
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	13	0.35
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	12	0.35
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	2	0.35
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	20	0.35
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	6	0.35
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	9	0.35
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	9	0.35
(1,506)	1:B:45:ASP:H	1:B:63:THR:H	14	0.35
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	18	0.35
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	15	0.35
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	18	0.35
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	10	0.35
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	13	0.35
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	13	0.35
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	13	0.35
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	13	0.35
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	13	0.35
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	13	0.35
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	3	0.35
(1,357)	1:A:121:GLY:H	1:A:123:PHE:H	14	0.35
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	5	0.35
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	19	0.35
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	6	0.35
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	15	0.35
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	5	0.35
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	11	0.35
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	9	0.35
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	7	0.35
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD1	16	0.35
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD2	16	0.35
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD1	16	0.35
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD2	16	0.35
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD1	16	0.35
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD2	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD21	13	0.35
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD22	13	0.35
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD23	13	0.35
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD21	13	0.35
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD22	13	0.35
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD23	13	0.35
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD21	13	0.35
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD22	13	0.35
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD23	13	0.35
(1,1473)	1:D:134:ASP:H	1:D:136:LEU:H	20	0.35
(1,1412)	1:D:99:GLY:H	1:D:102:CYS:H	1	0.35
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	20	0.35
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	18	0.35
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	18	0.35
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	18	0.35
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	18	0.35
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	18	0.35
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	18	0.35
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	18	0.35
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	18	0.35
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	18	0.35
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	5	0.35
(1,1248)	1:D:49:SER:H	1:D:59:VAL:H	3	0.35
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	18	0.35
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	18	0.35
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	18	0.35
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	18	0.35
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	18	0.35
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	18	0.35
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	18	0.35
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	18	0.35
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	18	0.35
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	18	0.35
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	18	0.35
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	18	0.35
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	10	0.35
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	18	0.35
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	17	0.35
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	17	0.35
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	17	0.35
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	19	0.35
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	5	0.35
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	5	0.35
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD21	16	0.35
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD22	16	0.35
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD23	16	0.35
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD21	16	0.35
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD22	16	0.35
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD23	16	0.35
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD21	16	0.35
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD22	16	0.35
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD23	16	0.35
(1,99)	1:A:39:GLU:H	1:A:67:SER:H	3	0.34
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	14	0.34
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	19	0.34
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB1	16	0.34
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB2	16	0.34
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB3	16	0.34
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD21	12	0.34
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD22	12	0.34
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD23	12	0.34
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD11	3	0.34
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD12	3	0.34
(1,838)	1:C:35:ASP:H	1:C:68:LEU:HD13	3	0.34
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	10	0.34
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	19	0.34
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	15	0.34
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	16	0.34
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	15	0.34
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	15	0.34
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	10	0.34
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	10	0.34
(1,716)	1:B:125:GLN:H	1:C:125:GLN:H	15	0.34
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	4	0.34
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	2	0.34
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	2	0.34
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	2	0.34
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	2	0.34
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	2	0.34
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	2	0.34
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	2	0.34
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	2	0.34
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	2	0.34
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	19	0.34
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	7	0.34
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	18	0.34
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	17	0.34
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	5	0.34
(1,536)	1:B:55:VAL:H	1:B:56:TYR:H	13	0.34
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	16	0.34
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD11	9	0.34
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD12	9	0.34
(1,473)	1:B:36:TRP:H	1:B:68:LEU:HD13	9	0.34
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	17	0.34
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	4	0.34
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	4	0.34
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	9	0.34
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	19	0.34
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	5	0.34
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	20	0.34
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	3	0.34
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	10	0.34
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	5	0.34
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	5	0.34
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	17	0.34
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	6	0.34
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	11	0.34
(1,19)	1:A:14:GLN:H	1:A:85:SER:H	19	0.34
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	20	0.34
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	20	0.34
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	20	0.34
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	20	0.34
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	20	0.34
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	20	0.34
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	20	0.34
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	20	0.34
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	20	0.34
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	19	0.34
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	19	0.34
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	19	0.34
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	19	0.34
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	19	0.34
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	19	0.34
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	19	0.34
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	19	0.34
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	13	0.34
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	13	0.34
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	13	0.34
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	13	0.34
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	13	0.34
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	13	0.34
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	13	0.34
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	13	0.34
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	13	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	1	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	1	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	1	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	20	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	20	0.34
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	20	0.34
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	19	0.34
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	9	0.34
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	7	0.34
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	14	0.34
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	15	0.34
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	15	0.34
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	11	0.34
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	4	0.34
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	4	0.34
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	8	0.34
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	8	0.34
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	17	0.34
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	17	0.34
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	17	0.34
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	4	0.33
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	16	0.33
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	16	0.33
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	16	0.33
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	5	0.33
(1,825)	1:C:31:VAL:HG11	1:C:32:PHE:HD1	18	0.33
(1,825)	1:C:31:VAL:HG11	1:C:32:PHE:HD2	18	0.33
(1,825)	1:C:31:VAL:HG12	1:C:32:PHE:HD1	18	0.33
(1,825)	1:C:31:VAL:HG12	1:C:32:PHE:HD2	18	0.33
(1,825)	1:C:31:VAL:HG13	1:C:32:PHE:HD1	18	0.33
(1,825)	1:C:31:VAL:HG13	1:C:32:PHE:HD2	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	9	0.33
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	18	0.33
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	18	0.33
(1,732)	1:B:134:ASP:H	1:B:136:LEU:H	6	0.33
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	7	0.33
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	7	0.33
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	7	0.33
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	7	0.33
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	7	0.33
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	7	0.33
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	7	0.33
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	7	0.33
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	7	0.33
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	20	0.33
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	13	0.33
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	9	0.33
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	8	0.33
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	20	0.33
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	12	0.33
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	17	0.33
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	16	0.33
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	16	0.33
(1,496)	1:B:43:ASP:H	1:B:65:THR:H	8	0.33
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	3	0.33
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	20	0.33
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	20	0.33
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	4	0.33
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	7	0.33
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	15	0.33
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	1	0.33
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	1	0.33
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	1	0.33
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	1	0.33
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	1	0.33
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	1	0.33
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	1	0.33
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	19	0.33
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	19	0.33
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	19	0.33
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	19	0.33
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	19	0.33
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD11	6	0.33
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD12	6	0.33
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD13	6	0.33
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	11	0.33
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	11	0.33
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	11	0.33
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	11	0.33
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	11	0.33
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	11	0.33
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	14	0.33
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	14	0.33
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	14	0.33
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	18	0.33
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	20	0.33
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	10	0.33
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD21	5	0.33
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD22	5	0.33
(1,1280)	1:D:58:VAL:HG11	1:D:98:LEU:HD23	5	0.33
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD21	5	0.33
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD22	5	0.33
(1,1280)	1:D:58:VAL:HG12	1:D:98:LEU:HD23	5	0.33
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD21	5	0.33
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD22	5	0.33
(1,1280)	1:D:58:VAL:HG13	1:D:98:LEU:HD23	5	0.33
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	13	0.33
(1,1191)	1:D:31:VAL:HG11	1:D:35:ASP:H	6	0.33
(1,1191)	1:D:31:VAL:HG12	1:D:35:ASP:H	6	0.33
(1,1191)	1:D:31:VAL:HG13	1:D:35:ASP:H	6	0.33
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	18	0.33
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	16	0.33
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	7	0.33
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	14	0.33
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	14	0.33
(1,111)	1:A:41:LYS:H	1:A:65:THR:H	13	0.33
(1,1019)	1:C:90:GLU:H	1:C:94:MET:H	14	0.33
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	18	0.32
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	5	0.32
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	2	0.32
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	8	0.32
(1,859)	1:C:42:LEU:HD21	1:C:43:ASP:H	8	0.32
(1,859)	1:C:42:LEU:HD22	1:C:43:ASP:H	8	0.32
(1,859)	1:C:42:LEU:HD23	1:C:43:ASP:H	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	13	0.32
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	3	0.32
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	12	0.32
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD21	20	0.32
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD22	20	0.32
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD23	20	0.32
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	17	0.32
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	4	0.32
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	7	0.32
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	14	0.32
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	9	0.32
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	9	0.32
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	9	0.32
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	17	0.32
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	17	0.32
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	17	0.32
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	11	0.32
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	1	0.32
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	1	0.32
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	16	0.32
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	16	0.32
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	1	0.32
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG21	7	0.32
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG22	7	0.32
(1,724)	1:B:128:LEU:HD21	1:B:131:VAL:HG23	7	0.32
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG21	7	0.32
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG22	7	0.32
(1,724)	1:B:128:LEU:HD22	1:B:131:VAL:HG23	7	0.32
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG21	7	0.32
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG22	7	0.32
(1,724)	1:B:128:LEU:HD23	1:B:131:VAL:HG23	7	0.32
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	17	0.32
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	3	0.32
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	20	0.32
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	16	0.32
(1,641)	1:B:92:THR:H	1:B:95:ALA:H	2	0.32
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	9	0.32
(1,550)	1:B:58:VAL:H	1:B:84:PHE:H	16	0.32
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	10	0.32
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	4	0.32
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	9	0.32
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	5	0.32
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	5	0.32
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD21	4	0.32
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD22	4	0.32
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD23	4	0.32
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD21	4	0.32
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD22	4	0.32
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD23	4	0.32
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD21	4	0.32
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD22	4	0.32
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD23	4	0.32
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	4	0.32
(1,357)	1:A:121:GLY:H	1:A:123:PHE:H	13	0.32
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	16	0.32
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	1	0.32
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	4	0.32
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	7	0.32
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	12	0.32
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	2	0.32
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	18	0.32
(1,302)	1:A:96:HIS:H	1:A:99:GLY:H	6	0.32
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE1	10	0.32
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE2	10	0.32
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE3	10	0.32
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	9	0.32
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	19	0.32
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	14	0.32
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	19	0.32
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	3	0.32
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	10	0.32
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	10	0.32
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	10	0.32
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	13	0.32
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	20	0.32
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	2	0.32
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	2	0.32
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	2	0.32
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	2	0.32
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	2	0.32
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	2	0.32
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	2	0.32
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	2	0.32
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	2	0.32
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	2	0.32
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	2	0.32
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	2	0.32
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	2	0.32
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	2	0.32
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	2	0.32
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	2	0.32
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	2	0.32
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	2	0.32
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	2	0.32
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	2	0.32
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	2	0.32
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	2	0.32
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	2	0.32
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	2	0.32
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	2	0.32
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	2	0.32
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	2	0.32
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	2	0.32
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	2	0.32
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	2	0.32
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	2	0.32
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	2	0.32
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	2	0.32
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	2	0.32
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	2	0.32
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	2	0.32
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	2	0.32
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	2	0.32
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	3	0.32
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	3	0.32
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	3	0.32
(1,148)	1:A:51:LEU:H	1:A:55:VAL:H	10	0.32
(1,1474)	1:D:134:ASP:H	1:D:137:PHE:H	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	13	0.32
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	9	0.32
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	12	0.32
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	17	0.32
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	13	0.32
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	10	0.32
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	10	0.32
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	10	0.32
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	10	0.32
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	10	0.32
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	10	0.32
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	10	0.32
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	10	0.32
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	10	0.32
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	17	0.32
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	18	0.32
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	1	0.32
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	12	0.32
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	12	0.32
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	12	0.32
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	7	0.32
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	7	0.32
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	7	0.32
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	7	0.32
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	7	0.32
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	7	0.32
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	7	0.32
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	7	0.32
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	7	0.32
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	16	0.32
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	11	0.32
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	5	0.32
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	13	0.32
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	20	0.32
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	11	0.32
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	11	0.32
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD1	8	0.32
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD2	8	0.32
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD1	8	0.32
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD2	8	0.32
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD1	8	0.32
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD2	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD1	9	0.32
(1,1109)	1:C:131:VAL:HG11	1:C:133:PHE:HD2	9	0.32
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD1	9	0.32
(1,1109)	1:C:131:VAL:HG12	1:C:133:PHE:HD2	9	0.32
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD1	9	0.32
(1,1109)	1:C:131:VAL:HG13	1:C:133:PHE:HD2	9	0.32
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	4	0.32
(1,1022)	1:C:91:GLY:H	1:C:95:ALA:H	2	0.32
(1,1019)	1:C:90:GLU:H	1:C:94:MET:H	5	0.32
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	5	0.31
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	18	0.31
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	12	0.31
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD11	2	0.31
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD12	2	0.31
(1,856)	1:C:42:LEU:HD11	1:C:44:LEU:HD13	2	0.31
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD11	2	0.31
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD12	2	0.31
(1,856)	1:C:42:LEU:HD12	1:C:44:LEU:HD13	2	0.31
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD11	2	0.31
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD12	2	0.31
(1,856)	1:C:42:LEU:HD13	1:C:44:LEU:HD13	2	0.31
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	12	0.31
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	12	0.31
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	12	0.31
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	13	0.31
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	5	0.31
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	5	0.31
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	5	0.31
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	17	0.31
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	8	0.31
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	8	0.31
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	8	0.31
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	14	0.31
(1,716)	1:B:125:GLN:H	1:C:125:GLN:H	2	0.31
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	10	0.31
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	4	0.31
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	13	0.31
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	16	0.31
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	13	0.31
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	13	0.31
(1,496)	1:B:43:ASP:H	1:B:65:THR:H	1	0.31
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	5	0.31
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	5	0.31
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	3	0.31
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	4	0.31
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	15	0.31
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	19	0.31
(1,381)	1:A:134:ASP:H	1:A:136:LEU:H	14	0.31
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	8	0.31
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	1	0.31
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	1	0.31
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	1	0.31
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	11	0.31
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	9	0.31
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	11	0.31
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	6	0.31
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	13	0.31
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	13	0.31
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	15	0.31
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	12	0.31
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG21	6	0.31
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG22	6	0.31
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG23	6	0.31
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG21	6	0.31
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG22	6	0.31
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG23	6	0.31
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG21	6	0.31
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG22	6	0.31
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG23	6	0.31
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	6	0.31
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	6	0.31
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	11	0.31
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	20	0.31
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	20	0.31
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	20	0.31
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	20	0.31
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	20	0.31
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	20	0.31
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG21	17	0.31
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG22	17	0.31
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG23	17	0.31
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG21	17	0.31
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG22	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG23	17	0.31
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG21	17	0.31
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG22	17	0.31
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG23	17	0.31
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	18	0.31
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	14	0.31
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG11	12	0.31
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG12	12	0.31
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG13	12	0.31
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	1	0.31
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	1	0.31
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	1	0.31
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	1	0.31
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	1	0.31
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	1	0.31
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	1	0.31
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	1	0.31
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	1	0.31
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	1	0.31
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	2	0.31
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	8	0.31
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	3	0.31
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	6	0.31
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	3	0.31
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	10	0.31
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	15	0.31
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	14	0.31
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	20	0.31
(1,1037)	1:C:96:HIS:H	1:C:99:GLY:H	15	0.31
(1,1022)	1:C:91:GLY:H	1:C:95:ALA:H	4	0.31
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	8	0.31
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	8	0.31
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	8	0.31
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	15	0.3
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	15	0.3
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	15	0.3
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	19	0.3
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	19	0.3
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	19	0.3
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	17	0.3
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	3	0.3
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	8	0.3
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	15	0.3
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	19	0.3
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	12	0.3
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	8	0.3
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	14	0.3
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	11	0.3
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	11	0.3
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	11	0.3
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	11	0.3
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	11	0.3
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	11	0.3
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	11	0.3
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	11	0.3
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	11	0.3
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD21	19	0.3
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD22	19	0.3
(1,864)	1:C:42:LEU:HD21	1:C:128:LEU:HD23	19	0.3
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD21	19	0.3
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD22	19	0.3
(1,864)	1:C:42:LEU:HD22	1:C:128:LEU:HD23	19	0.3
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD21	19	0.3
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD22	19	0.3
(1,864)	1:C:42:LEU:HD23	1:C:128:LEU:HD23	19	0.3
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	8	0.3
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	1	0.3
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	14	0.3
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	14	0.3
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	14	0.3
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	15	0.3
(1,660)	1:B:97:CYS:H	1:B:101:TYR:H	8	0.3
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	4	0.3
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	11	0.3
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	20	0.3
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	18	0.3
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	12	0.3
(1,521)	1:B:51:LEU:H	1:B:57:GLU:H	8	0.3
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	6	0.3
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	12	0.3
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	12	0.3
(1,496)	1:B:43:ASP:H	1:B:65:THR:H	16	0.3
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD21	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD22	11	0.3
(1,494)	1:B:43:ASP:H	1:B:44:LEU:HD23	11	0.3
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	4	0.3
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	19	0.3
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	11	0.3
(1,384)	1:A:135:ALA:H	1:A:138:MET:H	17	0.3
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	10	0.3
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	15	0.3
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	8	0.3
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD11	9	0.3
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD12	9	0.3
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD13	9	0.3
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	7	0.3
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	7	0.3
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	7	0.3
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	7	0.3
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	7	0.3
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	7	0.3
(1,1653)	1:C:13:ILE:HD11	2:G:306:VAL:HG21	20	0.3
(1,1653)	1:C:13:ILE:HD11	2:G:306:VAL:HG22	20	0.3
(1,1653)	1:C:13:ILE:HD11	2:G:306:VAL:HG23	20	0.3
(1,1653)	1:C:13:ILE:HD12	2:G:306:VAL:HG21	20	0.3
(1,1653)	1:C:13:ILE:HD12	2:G:306:VAL:HG22	20	0.3
(1,1653)	1:C:13:ILE:HD12	2:G:306:VAL:HG23	20	0.3
(1,1653)	1:C:13:ILE:HD13	2:G:306:VAL:HG21	20	0.3
(1,1653)	1:C:13:ILE:HD13	2:G:306:VAL:HG22	20	0.3
(1,1653)	1:C:13:ILE:HD13	2:G:306:VAL:HG23	20	0.3
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	3	0.3
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	4	0.3
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	14	0.3
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	17	0.3
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	17	0.3
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	17	0.3
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD21	1	0.3
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD22	1	0.3
(1,1517)	1:A:94:MET:HE1	2:E:277:LEU:HD23	1	0.3
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD21	1	0.3
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD22	1	0.3
(1,1517)	1:A:94:MET:HE2	2:E:277:LEU:HD23	1	0.3
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD21	1	0.3
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD22	1	0.3
(1,1517)	1:A:94:MET:HE3	2:E:277:LEU:HD23	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	4	0.3
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	14	0.3
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	9	0.3
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	7	0.3
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	7	0.3
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	7	0.3
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD21	5	0.3
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD22	5	0.3
(1,1283)	1:D:58:VAL:HG21	1:D:98:LEU:HD23	5	0.3
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD21	5	0.3
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD22	5	0.3
(1,1283)	1:D:58:VAL:HG22	1:D:98:LEU:HD23	5	0.3
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD21	5	0.3
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD22	5	0.3
(1,1283)	1:D:58:VAL:HG23	1:D:98:LEU:HD23	5	0.3
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	12	0.3
(1,124)	1:A:44:LEU:HD11	1:A:46:THR:H	17	0.3
(1,124)	1:A:44:LEU:HD12	1:A:46:THR:H	17	0.3
(1,124)	1:A:44:LEU:HD13	1:A:46:THR:H	17	0.3
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	9	0.3
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	9	0.3
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	9	0.3
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	2	0.3
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD11	3	0.3
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD12	3	0.3
(1,1197)	1:D:31:VAL:HG21	1:D:68:LEU:HD13	3	0.3
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD11	3	0.3
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD12	3	0.3
(1,1197)	1:D:31:VAL:HG22	1:D:68:LEU:HD13	3	0.3
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD11	3	0.3
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD12	3	0.3
(1,1197)	1:D:31:VAL:HG23	1:D:68:LEU:HD13	3	0.3
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	15	0.3
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	4	0.3
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	4	0.3
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	6	0.3
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	6	0.3
(1,1170)	1:D:23:PHE:HD1	1:D:24:GLU:H	17	0.3
(1,1170)	1:D:23:PHE:HD2	1:D:24:GLU:H	17	0.3
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	13	0.3
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	13	0.3
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	10	0.3
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	8	0.3
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	8	0.3
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	8	0.3
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	17	0.3
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	17	0.3
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	17	0.3
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	6	0.3
(1,1033)	1:C:95:ALA:H	1:C:98:LEU:H	7	0.3
(1,1028)	1:C:93:GLN:H	1:C:96:HIS:H	2	0.3
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	2	0.3
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	2	0.3
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	2	0.3
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	17	0.29
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	10	0.29
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE1	14	0.29
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE2	14	0.29
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE1	14	0.29
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE2	14	0.29
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE1	14	0.29
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE2	14	0.29
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	20	0.29
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	10	0.29
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	12	0.29
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	12	0.29
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	12	0.29
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	17	0.29
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	17	0.29
(1,744)	1:B:137:PHE:H	1:B:140:TYR:H	3	0.29
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	6	0.29
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD1	4	0.29
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD2	4	0.29
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD1	4	0.29
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD2	4	0.29
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD1	4	0.29
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD2	4	0.29
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD1	18	0.29
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD2	18	0.29
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD1	18	0.29
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD2	18	0.29
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD1	18	0.29
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD2	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	7	0.29
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	11	0.29
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	16	0.29
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	11	0.29
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	13	0.29
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	11	0.29
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	11	0.29
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	16	0.29
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	7	0.29
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	7	0.29
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	7	0.29
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	7	0.29
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	7	0.29
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	7	0.29
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	7	0.29
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	7	0.29
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	7	0.29
(1,550)	1:B:58:VAL:H	1:B:84:PHE:H	5	0.29
(1,50)	1:A:23:PHE:H	1:B:21:ILE:H	20	0.29
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	5	0.29
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	2	0.29
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	2	0.29
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	14	0.29
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	17	0.29
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	6	0.29
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	18	0.29
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	4	0.29
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	3	0.29
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	5	0.29
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	15	0.29
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	15	0.29
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	20	0.29
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	9	0.29
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	9	0.29
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	9	0.29
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	19	0.29
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	15	0.29
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	15	0.29
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	15	0.29
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	11	0.29
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	11	0.29
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	11	0.29
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	11	0.29
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	11	0.29
(1,1666)	1:B:129:ALA:HB1	2:H:290:TRP:HZ3	8	0.29
(1,1666)	1:B:129:ALA:HB2	2:H:290:TRP:HZ3	8	0.29
(1,1666)	1:B:129:ALA:HB3	2:H:290:TRP:HZ3	8	0.29
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	9	0.29
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	4	0.29
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	4	0.29
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	4	0.29
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	4	0.29
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	4	0.29
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	4	0.29
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD11	8	0.29
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD12	8	0.29
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD13	8	0.29
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD21	8	0.29
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD22	8	0.29
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD23	8	0.29
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD11	8	0.29
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD12	8	0.29
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD13	8	0.29
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD21	8	0.29
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD22	8	0.29
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD23	8	0.29
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD11	8	0.29
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD12	8	0.29
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD13	8	0.29
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD21	8	0.29
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD22	8	0.29
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD23	8	0.29
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD11	8	0.29
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD12	8	0.29
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD13	8	0.29
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD21	8	0.29
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD22	8	0.29
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD23	8	0.29
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD11	8	0.29
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD12	8	0.29
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD13	8	0.29
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD21	8	0.29
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD22	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD23	8	0.29
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD11	8	0.29
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD12	8	0.29
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD13	8	0.29
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD21	8	0.29
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD22	8	0.29
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD23	8	0.29
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	17	0.29
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	17	0.29
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	17	0.29
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	17	0.29
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	17	0.29
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	17	0.29
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD1	12	0.29
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD2	12	0.29
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD1	12	0.29
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD2	12	0.29
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD1	12	0.29
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD2	12	0.29
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	2	0.29
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	1	0.29
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	1	0.29
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	1	0.29
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	1	0.29
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	1	0.29
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	1	0.29
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	12	0.29
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	12	0.29
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	12	0.29
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	12	0.29
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	12	0.29
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	12	0.29
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	18	0.29
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	18	0.29
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	18	0.29
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	18	0.29
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	3	0.29
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	3	0.29
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	3	0.29
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG21	10	0.29
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG22	10	0.29
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG23	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	13	0.29
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	3	0.29
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	3	0.29
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	3	0.29
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	3	0.29
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG11	1	0.29
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG12	1	0.29
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG13	1	0.29
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	1	0.29
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	1	0.29
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	1	0.29
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	1	0.29
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	1	0.29
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	1	0.29
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	1	0.29
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	1	0.29
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	1	0.29
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	5	0.29
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	13	0.29
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	14	0.29
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	5	0.29
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	17	0.29
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	1	0.29
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	1	0.29
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	1	0.29
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	1	0.29
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	1	0.29
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	1	0.29
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	1	0.29
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	1	0.29
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	1	0.29
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	9	0.29
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	9	0.29
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	9	0.29
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	12	0.29
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	12	0.29
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	7	0.29
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	12	0.29
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	9	0.29
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	9	0.29
(1,1138)	1:D:10:THR:H	1:D:89:ILE:H	7	0.29
(1,1136)	1:D:10:THR:H	1:D:87:ALA:H	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	12	0.29
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	12	0.29
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	12	0.29
(1,1088)	1:C:118:VAL:HG21	1:C:126:LEU:H	12	0.29
(1,1088)	1:C:118:VAL:HG22	1:C:126:LEU:H	12	0.29
(1,1088)	1:C:118:VAL:HG23	1:C:126:LEU:H	12	0.29
(1,986)	1:C:74:PHE:HD1	1:C:123:PHE:HE1	6	0.28
(1,986)	1:C:74:PHE:HD1	1:C:123:PHE:HE2	6	0.28
(1,986)	1:C:74:PHE:HD2	1:C:123:PHE:HE1	6	0.28
(1,986)	1:C:74:PHE:HD2	1:C:123:PHE:HE2	6	0.28
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	7	0.28
(1,876)	1:C:45:ASP:H	1:C:63:THR:H	12	0.28
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	1	0.28
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	1	0.28
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	1	0.28
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	9	0.28
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	9	0.28
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	9	0.28
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	11	0.28
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	11	0.28
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	11	0.28
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	2	0.28
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	14	0.28
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	5	0.28
(1,739)	1:B:136:LEU:HD21	1:B:137:PHE:H	4	0.28
(1,739)	1:B:136:LEU:HD22	1:B:137:PHE:H	4	0.28
(1,739)	1:B:136:LEU:HD23	1:B:137:PHE:H	4	0.28
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	17	0.28
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	18	0.28
(1,682)	1:B:110:ALA:H	1:B:112:GLU:H	17	0.28
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	5	0.28
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	4	0.28
(1,640)	1:B:92:THR:H	1:B:94:MET:H	10	0.28
(1,640)	1:B:92:THR:H	1:B:94:MET:H	14	0.28
(1,640)	1:B:92:THR:H	1:B:94:MET:H	20	0.28
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	18	0.28
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	16	0.28
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	14	0.28
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	5	0.28
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	14	0.28
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	4	0.28
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:B:47:ALA:H	1:B:61:ARG:H	14	0.28
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	13	0.28
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	6	0.28
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	6	0.28
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	6	0.28
(1,464)	1:B:32:PHE:H	1:B:34:LYS:H	12	0.28
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	12	0.28
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	19	0.28
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	16	0.28
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	9	0.28
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	1	0.28
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	1	0.28
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	7	0.28
(1,360)	1:A:122:THR:H	1:B:18:THR:H	14	0.28
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	19	0.28
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	16	0.28
(1,303)	1:A:97:CYS:H	1:A:98:LEU:H	2	0.28
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	16	0.28
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	16	0.28
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	16	0.28
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	1	0.28
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	19	0.28
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	19	0.28
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	19	0.28
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	10	0.28
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	10	0.28
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	18	0.28
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	18	0.28
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	18	0.28
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	18	0.28
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	18	0.28
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	18	0.28
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	18	0.28
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD11	8	0.28
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD12	8	0.28
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD13	8	0.28
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD21	8	0.28
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD22	8	0.28
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD23	8	0.28
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD11	8	0.28
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD12	8	0.28
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD13	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD21	8	0.28
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD22	8	0.28
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD23	8	0.28
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD11	8	0.28
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD12	8	0.28
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD13	8	0.28
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD21	8	0.28
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD22	8	0.28
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD23	8	0.28
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	13	0.28
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	13	0.28
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	13	0.28
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	13	0.28
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	13	0.28
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	13	0.28
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	8	0.28
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	8	0.28
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	8	0.28
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	8	0.28
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	8	0.28
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	8	0.28
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	8	0.28
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	8	0.28
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	8	0.28
(1,1462)	1:D:128:LEU:HD11	1:D:129:ALA:H	6	0.28
(1,1462)	1:D:128:LEU:HD12	1:D:129:ALA:H	6	0.28
(1,1462)	1:D:128:LEU:HD13	1:D:129:ALA:H	6	0.28
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	4	0.28
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	11	0.28
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	15	0.28
(1,1382)	1:D:91:GLY:H	1:D:95:ALA:H	7	0.28
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	20	0.28
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	20	0.28
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	20	0.28
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	20	0.28
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD21	6	0.28
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD22	6	0.28
(1,1100)	1:C:126:LEU:HD11	1:C:128:LEU:HD23	6	0.28
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD21	6	0.28
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD22	6	0.28
(1,1100)	1:C:126:LEU:HD12	1:C:128:LEU:HD23	6	0.28
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD21	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD22	6	0.28
(1,1100)	1:C:126:LEU:HD13	1:C:128:LEU:HD23	6	0.28
(1,1099)	1:C:126:LEU:HD11	1:C:128:LEU:H	2	0.28
(1,1099)	1:C:126:LEU:HD12	1:C:128:LEU:H	2	0.28
(1,1099)	1:C:126:LEU:HD13	1:C:128:LEU:H	2	0.28
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	9	0.28
(1,1042)	1:C:98:LEU:H	1:C:99:GLY:H	15	0.28
(1,1042)	1:C:98:LEU:H	1:C:99:GLY:H	20	0.28
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	4	0.28
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	7	0.28
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD21	4	0.27
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD22	4	0.27
(1,96)	1:A:37:GLN:H	1:A:68:LEU:HD23	4	0.27
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	17	0.27
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	17	0.27
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	20	0.27
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	4	0.27
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	13	0.27
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	14	0.27
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	8	0.27
(1,840)	1:C:36:TRP:H	1:C:37:GLN:H	19	0.27
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	5	0.27
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	18	0.27
(1,800)	1:C:22:SER:H	1:C:79:GLN:H	6	0.27
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	2	0.27
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	8	0.27
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	8	0.27
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	20	0.27
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD1	1	0.27
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD2	1	0.27
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD1	1	0.27
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD2	1	0.27
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD1	1	0.27
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD2	1	0.27
(1,670)	1:B:100:ALA:H	1:B:101:TYR:H	3	0.27
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	1	0.27
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	6	0.27
(1,647)	1:B:94:MET:H	1:B:97:CYS:H	19	0.27
(1,641)	1:B:92:THR:H	1:B:95:ALA:H	14	0.27
(1,640)	1:B:92:THR:H	1:B:94:MET:H	7	0.27
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	9	0.27
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB1	17	0.27
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB2	17	0.27
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB3	17	0.27
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	17	0.27
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	8	0.27
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	20	0.27
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	20	0.27
(1,523)	1:B:51:LEU:HD21	1:B:57:GLU:H	1	0.27
(1,523)	1:B:51:LEU:HD22	1:B:57:GLU:H	1	0.27
(1,523)	1:B:51:LEU:HD23	1:B:57:GLU:H	1	0.27
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	12	0.27
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	11	0.27
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	11	0.27
(1,464)	1:B:32:PHE:H	1:B:34:LYS:H	18	0.27
(1,441)	1:B:23:PHE:H	1:B:24:GLU:H	16	0.27
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	9	0.27
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	9	0.27
(1,403)	1:B:9:MET:HE1	1:B:10:THR:H	4	0.27
(1,403)	1:B:9:MET:HE2	1:B:10:THR:H	4	0.27
(1,403)	1:B:9:MET:HE3	1:B:10:THR:H	4	0.27
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	1	0.27
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	10	0.27
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	11	0.27
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	11	0.27
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	8	0.27
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	17	0.27
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	19	0.27
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	1	0.27
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	14	0.27
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	9	0.27
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	5	0.27
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	5	0.27
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	5	0.27
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	5	0.27
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	5	0.27
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	5	0.27
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	10	0.27
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	10	0.27
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	10	0.27
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	10	0.27
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	10	0.27
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	8	0.27
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	8	0.27
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	8	0.27
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	8	0.27
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	8	0.27
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	8	0.27
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG21	6	0.27
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG22	6	0.27
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG23	6	0.27
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG21	6	0.27
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG22	6	0.27
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG23	6	0.27
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG21	6	0.27
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG22	6	0.27
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG23	6	0.27
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	15	0.27
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	15	0.27
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	15	0.27
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	15	0.27
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	15	0.27
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	15	0.27
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	15	0.27
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	15	0.27
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	15	0.27
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	6	0.27
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	6	0.27
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	6	0.27
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	6	0.27
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	6	0.27
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	6	0.27
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD11	18	0.27
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD12	18	0.27
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD13	18	0.27
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD21	18	0.27
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD22	18	0.27
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD23	18	0.27
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD11	18	0.27
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD12	18	0.27
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD13	18	0.27
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD21	18	0.27
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD22	18	0.27
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD23	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD11	18	0.27
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD12	18	0.27
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD13	18	0.27
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD21	18	0.27
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD22	18	0.27
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD23	18	0.27
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	13	0.27
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	4	0.27
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	7	0.27
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	2	0.27
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	8	0.27
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	8	0.27
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	8	0.27
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	1	0.27
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	7	0.27
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	13	0.27
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	4	0.27
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	20	0.27
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	20	0.27
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	13	0.27
(1,1088)	1:C:118:VAL:HG21	1:C:126:LEU:H	20	0.27
(1,1088)	1:C:118:VAL:HG22	1:C:126:LEU:H	20	0.27
(1,1088)	1:C:118:VAL:HG23	1:C:126:LEU:H	20	0.27
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	7	0.27
(1,1050)	1:C:99:GLY:H	1:C:102:CYS:H	16	0.27
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	19	0.27
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	4	0.26
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	12	0.26
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	13	0.26
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	5	0.26
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE1	12	0.26
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE2	12	0.26
(1,917)	1:C:56:TYR:HE1	1:C:94:MET:HE3	12	0.26
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE1	12	0.26
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE2	12	0.26
(1,917)	1:C:56:TYR:HE2	1:C:94:MET:HE3	12	0.26
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	14	0.26
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	8	0.26
(1,876)	1:C:45:ASP:H	1:C:63:THR:H	13	0.26
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	1	0.26
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	8	0.26
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	3	0.26
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	8	0.26
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	18	0.26
(1,750)	1:B:139:ASN:H	1:B:141:LEU:H	2	0.26
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	16	0.26
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	16	0.26
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	16	0.26
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	9	0.26
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	18	0.26
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	5	0.26
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	18	0.26
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	1	0.26
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	13	0.26
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	10	0.26
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	16	0.26
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	1	0.26
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	12	0.26
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG21	1	0.26
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG22	1	0.26
(1,568)	1:B:60:LEU:HD21	1:B:62:VAL:HG23	1	0.26
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG21	1	0.26
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG22	1	0.26
(1,568)	1:B:60:LEU:HD22	1:B:62:VAL:HG23	1	0.26
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG21	1	0.26
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG22	1	0.26
(1,568)	1:B:60:LEU:HD23	1:B:62:VAL:HG23	1	0.26
(1,523)	1:B:51:LEU:HD21	1:B:57:GLU:H	6	0.26
(1,523)	1:B:51:LEU:HD22	1:B:57:GLU:H	6	0.26
(1,523)	1:B:51:LEU:HD23	1:B:57:GLU:H	6	0.26
(1,416)	1:B:13:ILE:H	1:D:129:ALA:HB1	16	0.26
(1,416)	1:B:13:ILE:H	1:D:129:ALA:HB2	16	0.26
(1,416)	1:B:13:ILE:H	1:D:129:ALA:HB3	16	0.26
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	16	0.26
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD21	18	0.26
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD22	18	0.26
(1,375)	1:A:131:VAL:HG21	1:A:136:LEU:HD23	18	0.26
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD21	18	0.26
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD22	18	0.26
(1,375)	1:A:131:VAL:HG22	1:A:136:LEU:HD23	18	0.26
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD21	18	0.26
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD22	18	0.26
(1,375)	1:A:131:VAL:HG23	1:A:136:LEU:HD23	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE1	19	0.26
(1,374)	1:A:131:VAL:HG11	1:A:133:PHE:HE2	19	0.26
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE1	19	0.26
(1,374)	1:A:131:VAL:HG12	1:A:133:PHE:HE2	19	0.26
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE1	19	0.26
(1,374)	1:A:131:VAL:HG13	1:A:133:PHE:HE2	19	0.26
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	18	0.26
(1,357)	1:A:121:GLY:H	1:A:123:PHE:H	2	0.26
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	6	0.26
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	4	0.26
(1,284)	1:A:92:THR:H	1:A:93:GLN:H	5	0.26
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	5	0.26
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	20	0.26
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	20	0.26
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	20	0.26
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	20	0.26
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	20	0.26
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	20	0.26
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	20	0.26
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	20	0.26
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	20	0.26
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	20	0.26
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	20	0.26
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	20	0.26
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	20	0.26
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	20	0.26
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	20	0.26
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	13	0.26
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	13	0.26
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	13	0.26
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	15	0.26
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	15	0.26
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	15	0.26
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	15	0.26
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	15	0.26
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	15	0.26
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	6	0.26
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	6	0.26
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	15	0.26
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	15	0.26
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	15	0.26
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	15	0.26
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	15	0.26
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD11	10	0.26
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD12	10	0.26
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD13	10	0.26
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD21	10	0.26
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD22	10	0.26
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD23	10	0.26
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD11	10	0.26
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD12	10	0.26
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD13	10	0.26
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD21	10	0.26
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD22	10	0.26
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD23	10	0.26
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD11	10	0.26
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD12	10	0.26
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD13	10	0.26
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD21	10	0.26
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD22	10	0.26
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD23	10	0.26
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD11	10	0.26
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD12	10	0.26
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD13	10	0.26
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD21	10	0.26
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD22	10	0.26
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD23	10	0.26
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD11	10	0.26
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD12	10	0.26
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD13	10	0.26
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD21	10	0.26
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD22	10	0.26
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD23	10	0.26
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD11	10	0.26
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD12	10	0.26
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD13	10	0.26
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD21	10	0.26
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD22	10	0.26
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD23	10	0.26
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE1	5	0.26
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE2	5	0.26
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE1	5	0.26
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE2	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG21	19	0.26
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG22	19	0.26
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG23	19	0.26
(1,1469)	1:D:133:PHE:H	1:D:135:ALA:H	2	0.26
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	10	0.26
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	4	0.26
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	12	0.26
(1,130)	1:A:45:ASP:H	1:A:61:ARG:H	2	0.26
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	3	0.26
(1,123)	1:A:44:LEU:HD11	1:A:45:ASP:H	16	0.26
(1,123)	1:A:44:LEU:HD12	1:A:45:ASP:H	16	0.26
(1,123)	1:A:44:LEU:HD13	1:A:45:ASP:H	16	0.26
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	14	0.26
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	2	0.26
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	3	0.26
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	11	0.26
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	11	0.26
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	11	0.26
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	12	0.26
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	12	0.26
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	12	0.26
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	11	0.26
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	20	0.26
(1,1198)	1:D:31:VAL:HG21	1:D:72:THR:H	9	0.26
(1,1198)	1:D:31:VAL:HG22	1:D:72:THR:H	9	0.26
(1,1198)	1:D:31:VAL:HG23	1:D:72:THR:H	9	0.26
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	16	0.26
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	9	0.26
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	11	0.25
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	11	0.25
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	11	0.25
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	3	0.25
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	6	0.25
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD21	10	0.25
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD22	10	0.25
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD23	10	0.25
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	8	0.25
(1,840)	1:C:36:TRP:H	1:C:37:GLN:H	14	0.25
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	13	0.25
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	7	0.25
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	10	0.25
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	10	0.25
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	19	0.25
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	14	0.25
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	7	0.25
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	14	0.25
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	20	0.25
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	10	0.25
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	10	0.25
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	2	0.25
(1,498)	1:B:44:LEU:H	1:B:63:THR:H	6	0.25
(1,498)	1:B:44:LEU:H	1:B:63:THR:H	17	0.25
(1,496)	1:B:43:ASP:H	1:B:65:THR:H	13	0.25
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	12	0.25
(1,466)	1:B:33:GLN:H	1:B:34:LYS:H	13	0.25
(1,441)	1:B:23:PHE:H	1:B:24:GLU:H	4	0.25
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	17	0.25
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	9	0.25
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	8	0.25
(1,400)	1:A:140:TYR:H	1:A:141:LEU:H	4	0.25
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	4	0.25
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	3	0.25
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	14	0.25
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	13	0.25
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	17	0.25
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	18	0.25
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	10	0.25
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	14	0.25
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	19	0.25
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	11	0.25
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	17	0.25
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	17	0.25
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	17	0.25
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	20	0.25
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	20	0.25
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	20	0.25
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	5	0.25
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	16	0.25
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	4	0.25
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	10	0.25
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	14	0.25
(1,1694)	1:B:42:LEU:HD11	2:H:291:LEU:HD11	16	0.25
(1,1694)	1:B:42:LEU:HD11	2:H:291:LEU:HD12	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:B:42:LEU:HD11	2:H:291:LEU:HD13	16	0.25
(1,1694)	1:B:42:LEU:HD12	2:H:291:LEU:HD11	16	0.25
(1,1694)	1:B:42:LEU:HD12	2:H:291:LEU:HD12	16	0.25
(1,1694)	1:B:42:LEU:HD12	2:H:291:LEU:HD13	16	0.25
(1,1694)	1:B:42:LEU:HD13	2:H:291:LEU:HD11	16	0.25
(1,1694)	1:B:42:LEU:HD13	2:H:291:LEU:HD12	16	0.25
(1,1694)	1:B:42:LEU:HD13	2:H:291:LEU:HD13	16	0.25
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	20	0.25
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	20	0.25
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	19	0.25
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	19	0.25
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	19	0.25
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	1	0.25
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	1	0.25
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	1	0.25
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	1	0.25
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	1	0.25
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	1	0.25
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	8	0.25
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG21	2	0.25
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG22	2	0.25
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG23	2	0.25
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG21	2	0.25
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG22	2	0.25
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG23	2	0.25
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG21	2	0.25
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG22	2	0.25
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG23	2	0.25
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	4	0.25
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	4	0.25
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	4	0.25
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	4	0.25
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	4	0.25
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	4	0.25
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	9	0.25
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	9	0.25
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	9	0.25
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	9	0.25
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	9	0.25
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	19	0.25
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	19	0.25
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	19	0.25
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	19	0.25
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	19	0.25
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	19	0.25
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	16	0.25
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	16	0.25
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	16	0.25
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	16	0.25
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	16	0.25
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	16	0.25
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	16	0.25
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	16	0.25
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	16	0.25
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	16	0.25
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	16	0.25
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	16	0.25
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	16	0.25
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	16	0.25
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	16	0.25
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	16	0.25
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	16	0.25
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	16	0.25
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	17	0.25
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	6	0.25
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	6	0.25
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	6	0.25
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	6	0.25
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	6	0.25
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	6	0.25
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	6	0.25
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	6	0.25
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	6	0.25
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	12	0.25
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	12	0.25
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	12	0.25
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	12	0.25
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	12	0.25
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	12	0.25
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	12	0.25
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	12	0.25
(1,136)	1:A:47:ALA:H	1:A:59:VAL:H	6	0.25
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	1	0.25
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	3	0.25
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	12	0.25
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	18	0.25
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	20	0.25
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	7	0.25
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	4	0.25
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	13	0.25
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	16	0.25
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	10	0.25
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	10	0.25
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	10	0.25
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	3	0.25
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	3	0.25
(1,1111)	1:C:133:PHE:H	1:C:134:ASP:H	6	0.25
(1,1088)	1:C:118:VAL:HG21	1:C:126:LEU:H	15	0.25
(1,1088)	1:C:118:VAL:HG22	1:C:126:LEU:H	15	0.25
(1,1088)	1:C:118:VAL:HG23	1:C:126:LEU:H	15	0.25
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	13	0.25
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	15	0.25
(2,1)	1:A:40:VAL:O	2:E:290:TRP:NE1	20	0.24
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	6	0.24
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	11	0.24
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	12	0.24
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	17	0.24
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	7	0.24
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	19	0.24
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	11	0.24
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	5	0.24
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	5	0.24
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	6	0.24
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	6	0.24
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	6	0.24
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	12	0.24
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	15	0.24
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD1	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD2	15	0.24
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD1	15	0.24
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD2	15	0.24
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD1	15	0.24
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD2	15	0.24
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	14	0.24
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	14	0.24
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	14	0.24
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	13	0.24
(1,658)	1:B:97:CYS:H	1:B:99:GLY:H	10	0.24
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	20	0.24
(1,640)	1:B:92:THR:H	1:B:94:MET:H	18	0.24
(1,639)	1:B:92:THR:H	1:B:93:GLN:H	13	0.24
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	7	0.24
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	19	0.24
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	3	0.24
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	8	0.24
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	4	0.24
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	15	0.24
(1,594)	1:B:68:LEU:H	1:B:71:GLU:H	7	0.24
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	9	0.24
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	16	0.24
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	16	0.24
(1,523)	1:B:51:LEU:HD21	1:B:57:GLU:H	3	0.24
(1,523)	1:B:51:LEU:HD22	1:B:57:GLU:H	3	0.24
(1,523)	1:B:51:LEU:HD23	1:B:57:GLU:H	3	0.24
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	1	0.24
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	13	0.24
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	19	0.24
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD11	4	0.24
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD12	4	0.24
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD13	4	0.24
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD11	4	0.24
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD12	4	0.24
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD13	4	0.24
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD11	4	0.24
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD12	4	0.24
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD13	4	0.24
(1,499)	1:B:44:LEU:HD11	1:B:45:ASP:H	12	0.24
(1,499)	1:B:44:LEU:HD12	1:B:45:ASP:H	12	0.24
(1,499)	1:B:44:LEU:HD13	1:B:45:ASP:H	12	0.24
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	19	0.24
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	20	0.24
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	6	0.24
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	6	0.24
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	2	0.24
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	1	0.24
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	2	0.24
(1,369)	1:A:128:LEU:HD11	1:A:129:ALA:HB1	12	0.24
(1,369)	1:A:128:LEU:HD11	1:A:129:ALA:HB2	12	0.24
(1,369)	1:A:128:LEU:HD11	1:A:129:ALA:HB3	12	0.24
(1,369)	1:A:128:LEU:HD12	1:A:129:ALA:HB1	12	0.24
(1,369)	1:A:128:LEU:HD12	1:A:129:ALA:HB2	12	0.24
(1,369)	1:A:128:LEU:HD12	1:A:129:ALA:HB3	12	0.24
(1,369)	1:A:128:LEU:HD13	1:A:129:ALA:HB1	12	0.24
(1,369)	1:A:128:LEU:HD13	1:A:129:ALA:HB2	12	0.24
(1,369)	1:A:128:LEU:HD13	1:A:129:ALA:HB3	12	0.24
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	5	0.24
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	1	0.24
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	3	0.24
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	18	0.24
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	8	0.24
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	7	0.24
(1,303)	1:A:97:CYS:H	1:A:98:LEU:H	18	0.24
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	1	0.24
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	9	0.24
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	10	0.24
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	1	0.24
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	1	0.24
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	1	0.24
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	14	0.24
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	14	0.24
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	14	0.24
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	18	0.24
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	18	0.24
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	18	0.24
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE1	7	0.24
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE2	7	0.24
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE3	7	0.24
(1,237)	1:A:70:GLU:H	1:A:71:GLU:H	18	0.24
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	19	0.24
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	3	0.24
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	3	0.24
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	3	0.24
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	3	0.24
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	3	0.24
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	8	0.24
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	8	0.24
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	8	0.24
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	8	0.24
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	8	0.24
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	8	0.24
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	8	0.24
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	8	0.24
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	8	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	14	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	14	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	14	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	19	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	19	0.24
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	19	0.24
(1,1668)	1:B:40:VAL:HG11	2:H:290:TRP:HE1	11	0.24
(1,1668)	1:B:40:VAL:HG12	2:H:290:TRP:HE1	11	0.24
(1,1668)	1:B:40:VAL:HG13	2:H:290:TRP:HE1	11	0.24
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	8	0.24
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	8	0.24
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	8	0.24
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	8	0.24
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	8	0.24
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	8	0.24
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	8	0.24
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	8	0.24
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	8	0.24
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	15	0.24
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	18	0.24
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	18	0.24
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	18	0.24
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	18	0.24
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	18	0.24
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	18	0.24
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD11	7	0.24
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD12	7	0.24
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD13	7	0.24
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD21	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD22	7	0.24
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD23	7	0.24
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD11	7	0.24
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD12	7	0.24
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD13	7	0.24
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD21	7	0.24
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD22	7	0.24
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD23	7	0.24
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD11	7	0.24
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD12	7	0.24
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD13	7	0.24
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD21	7	0.24
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD22	7	0.24
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD23	7	0.24
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	9	0.24
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	9	0.24
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	9	0.24
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	9	0.24
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	16	0.24
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	16	0.24
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	16	0.24
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	20	0.24
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	20	0.24
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	20	0.24
(1,1597)	1:B:129:ALA:HB1	2:F:306:VAL:HG11	16	0.24
(1,1597)	1:B:129:ALA:HB1	2:F:306:VAL:HG12	16	0.24
(1,1597)	1:B:129:ALA:HB1	2:F:306:VAL:HG13	16	0.24
(1,1597)	1:B:129:ALA:HB2	2:F:306:VAL:HG11	16	0.24
(1,1597)	1:B:129:ALA:HB2	2:F:306:VAL:HG12	16	0.24
(1,1597)	1:B:129:ALA:HB2	2:F:306:VAL:HG13	16	0.24
(1,1597)	1:B:129:ALA:HB3	2:F:306:VAL:HG11	16	0.24
(1,1597)	1:B:129:ALA:HB3	2:F:306:VAL:HG12	16	0.24
(1,1597)	1:B:129:ALA:HB3	2:F:306:VAL:HG13	16	0.24
(1,1594)	1:C:128:LEU:HD11	2:F:290:TRP:HE3	19	0.24
(1,1594)	1:C:128:LEU:HD12	2:F:290:TRP:HE3	19	0.24
(1,1594)	1:C:128:LEU:HD13	2:F:290:TRP:HE3	19	0.24
(1,1594)	1:C:128:LEU:HD21	2:F:290:TRP:HE3	19	0.24
(1,1594)	1:C:128:LEU:HD22	2:F:290:TRP:HE3	19	0.24
(1,1594)	1:C:128:LEU:HD23	2:F:290:TRP:HE3	19	0.24
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	6	0.24
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	6	0.24
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	6	0.24
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	6	0.24
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	6	0.24
(1,1541)	1:A:128:LEU:HD11	2:E:290:TRP:HE3	8	0.24
(1,1541)	1:A:128:LEU:HD12	2:E:290:TRP:HE3	8	0.24
(1,1541)	1:A:128:LEU:HD13	2:E:290:TRP:HE3	8	0.24
(1,1541)	1:A:128:LEU:HD21	2:E:290:TRP:HE3	8	0.24
(1,1541)	1:A:128:LEU:HD22	2:E:290:TRP:HE3	8	0.24
(1,1541)	1:A:128:LEU:HD23	2:E:290:TRP:HE3	8	0.24
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	15	0.24
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	15	0.24
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	15	0.24
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	15	0.24
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	15	0.24
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	15	0.24
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	15	0.24
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	15	0.24
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	15	0.24
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	15	0.24
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	15	0.24
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	15	0.24
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	15	0.24
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	15	0.24
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	15	0.24
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	15	0.24
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	15	0.24
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	15	0.24
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	15	0.24
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	15	0.24
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	15	0.24
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	15	0.24
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	15	0.24
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	15	0.24
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	15	0.24
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	15	0.24
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	15	0.24
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	15	0.24
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	15	0.24
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	15	0.24
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	15	0.24
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	15	0.24
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	15	0.24
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	15	0.24
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	15	0.24
(1,1462)	1:D:128:LEU:HD11	1:D:129:ALA:H	7	0.24
(1,1462)	1:D:128:LEU:HD12	1:D:129:ALA:H	7	0.24
(1,1462)	1:D:128:LEU:HD13	1:D:129:ALA:H	7	0.24
(1,1458)	1:D:126:LEU:H	1:D:127:ASN:H	20	0.24
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	16	0.24
(1,1412)	1:D:99:GLY:H	1:D:102:CYS:H	8	0.24
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	16	0.24
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	16	0.24
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	19	0.24
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	7	0.24
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG21	15	0.24
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG22	15	0.24
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG23	15	0.24
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG21	15	0.24
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG22	15	0.24
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG23	15	0.24
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG21	15	0.24
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG22	15	0.24
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG23	15	0.24
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	14	0.24
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	15	0.24
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	7	0.24
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	9	0.24
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	10	0.24
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	5	0.24
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	3	0.24
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	3	0.24
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	3	0.24
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	7	0.24
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	7	0.24
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	7	0.24
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	14	0.24
(1,1171)	1:D:23:PHE:HE1	1:D:24:GLU:H	9	0.24
(1,1171)	1:D:23:PHE:HE2	1:D:24:GLU:H	9	0.24
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	17	0.24
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	6	0.24
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	15	0.24
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	9	0.24
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	9	0.24
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	16	0.24
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	17	0.24
(1,1045)	1:C:98:LEU:H	1:C:102:CYS:H	8	0.24
(1,1042)	1:C:98:LEU:H	1:C:99:GLY:H	9	0.24
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	12	0.24
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	11	0.23
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	19	0.23
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	20	0.23
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	20	0.23
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	20	0.23
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	10	0.23
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	4	0.23
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	12	0.23
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	17	0.23
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD21	16	0.23
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD22	16	0.23
(1,847)	1:C:39:GLU:H	1:C:68:LEU:HD23	16	0.23
(1,840)	1:C:36:TRP:H	1:C:37:GLN:H	2	0.23
(1,840)	1:C:36:TRP:H	1:C:37:GLN:H	16	0.23
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	5	0.23
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	1	0.23
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	1	0.23
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	1	0.23
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	1	0.23
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	8	0.23
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	19	0.23
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	18	0.23
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	9	0.23
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	10	0.23
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	13	0.23
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	1	0.23
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	6	0.23
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	12	0.23
(1,594)	1:B:68:LEU:H	1:B:71:GLU:H	13	0.23
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	7	0.23
(1,581)	1:B:64:VAL:HG21	1:B:128:LEU:HD11	3	0.23
(1,581)	1:B:64:VAL:HG21	1:B:128:LEU:HD12	3	0.23
(1,581)	1:B:64:VAL:HG21	1:B:128:LEU:HD13	3	0.23
(1,581)	1:B:64:VAL:HG22	1:B:128:LEU:HD11	3	0.23
(1,581)	1:B:64:VAL:HG22	1:B:128:LEU:HD12	3	0.23
(1,581)	1:B:64:VAL:HG22	1:B:128:LEU:HD13	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,581)	1:B:64:VAL:HG23	1:B:128:LEU:HD11	3	0.23
(1,581)	1:B:64:VAL:HG23	1:B:128:LEU:HD12	3	0.23
(1,581)	1:B:64:VAL:HG23	1:B:128:LEU:HD13	3	0.23
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	19	0.23
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	3	0.23
(1,521)	1:B:51:LEU:H	1:B:57:GLU:H	1	0.23
(1,506)	1:B:45:ASP:H	1:B:63:THR:H	10	0.23
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD21	15	0.23
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD22	15	0.23
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD23	15	0.23
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	8	0.23
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	3	0.23
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	18	0.23
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	4	0.23
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	7	0.23
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	2	0.23
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	18	0.23
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	13	0.23
(1,370)	1:A:128:LEU:HD21	1:A:129:ALA:H	20	0.23
(1,370)	1:A:128:LEU:HD22	1:A:129:ALA:H	20	0.23
(1,370)	1:A:128:LEU:HD23	1:A:129:ALA:H	20	0.23
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	11	0.23
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	14	0.23
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	14	0.23
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	20	0.23
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	14	0.23
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	19	0.23
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	7	0.23
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	4	0.23
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	4	0.23
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	5	0.23
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	5	0.23
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	5	0.23
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	15	0.23
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	15	0.23
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	15	0.23
(1,229)	1:A:68:LEU:H	1:A:69:GLY:H	11	0.23
(1,192)	1:A:60:LEU:H	1:A:81:GLY:H	19	0.23
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG21	12	0.23
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG22	12	0.23
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG23	12	0.23
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG21	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG22	12	0.23
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG23	12	0.23
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG21	12	0.23
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG22	12	0.23
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG23	12	0.23
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	6	0.23
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	6	0.23
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	6	0.23
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	6	0.23
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	6	0.23
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	6	0.23
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	6	0.23
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	6	0.23
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	6	0.23
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	7	0.23
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	7	0.23
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	7	0.23
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD11	18	0.23
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD12	18	0.23
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD13	18	0.23
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	1	0.23
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	6	0.23
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	6	0.23
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	6	0.23
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	6	0.23
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	6	0.23
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	6	0.23
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD11	9	0.23
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD12	9	0.23
(1,1620)	1:D:123:PHE:HE1	2:G:301:ILE:HD13	9	0.23
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD11	9	0.23
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD12	9	0.23
(1,1620)	1:D:123:PHE:HE2	2:G:301:ILE:HD13	9	0.23
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG21	12	0.23
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG22	12	0.23
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG23	12	0.23
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG21	12	0.23
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG22	12	0.23
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG23	12	0.23
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG21	12	0.23
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG22	12	0.23
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG23	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD11	1	0.23
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD12	1	0.23
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD13	1	0.23
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD21	1	0.23
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD22	1	0.23
(1,1577)	1:C:86:ILE:HD11	2:F:278:LEU:HD23	1	0.23
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD11	1	0.23
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD12	1	0.23
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD13	1	0.23
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD21	1	0.23
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD22	1	0.23
(1,1577)	1:C:86:ILE:HD12	2:F:278:LEU:HD23	1	0.23
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD11	1	0.23
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD12	1	0.23
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD13	1	0.23
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD21	1	0.23
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD22	1	0.23
(1,1577)	1:C:86:ILE:HD13	2:F:278:LEU:HD23	1	0.23
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD11	13	0.23
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD12	13	0.23
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD13	13	0.23
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD11	13	0.23
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD12	13	0.23
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD13	13	0.23
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE1	18	0.23
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE2	18	0.23
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE3	18	0.23
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE1	18	0.23
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE2	18	0.23
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE3	18	0.23
(1,1469)	1:D:133:PHE:H	1:D:135:ALA:H	10	0.23
(1,146)	1:A:50:GLN:H	1:A:57:GLU:H	15	0.23
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	7	0.23
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	6	0.23
(1,1412)	1:D:99:GLY:H	1:D:102:CYS:H	15	0.23
(1,1394)	1:D:94:MET:HE1	1:D:98:LEU:H	9	0.23
(1,1394)	1:D:94:MET:HE2	1:D:98:LEU:H	9	0.23
(1,1394)	1:D:94:MET:HE3	1:D:98:LEU:H	9	0.23
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	1	0.23
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	19	0.23
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	8	0.23
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	15	0.23
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	8	0.23
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	17	0.23
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	6	0.23
(1,1206)	1:D:35:ASP:H	1:D:36:TRP:HE3	10	0.23
(1,1186)	1:D:30:HIS:H	1:D:32:PHE:H	16	0.23
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	16	0.23
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	1	0.23
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	1	0.23
(1,1118)	1:C:135:ALA:H	1:C:138:MET:H	10	0.23
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	17	0.23
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	17	0.23
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	17	0.23
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	12	0.23
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	12	0.23
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	12	0.23
(1,1095)	1:C:122:THR:H	1:D:18:THR:H	13	0.23
(1,1093)	1:C:121:GLY:H	1:D:18:THR:H	13	0.23
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	1	0.23
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	8	0.23
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	10	0.22
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD1	7	0.22
(1,988)	1:C:74:PHE:HE1	1:C:123:PHE:HD2	7	0.22
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD1	7	0.22
(1,988)	1:C:74:PHE:HE2	1:C:123:PHE:HD2	7	0.22
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	5	0.22
(1,960)	1:C:66:ALA:H	1:C:67:SER:H	9	0.22
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD21	20	0.22
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD22	20	0.22
(1,926)	1:C:58:VAL:HG11	1:C:98:LEU:HD23	20	0.22
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD21	20	0.22
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD22	20	0.22
(1,926)	1:C:58:VAL:HG12	1:C:98:LEU:HD23	20	0.22
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD21	20	0.22
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD22	20	0.22
(1,926)	1:C:58:VAL:HG13	1:C:98:LEU:HD23	20	0.22
(1,922)	1:C:58:VAL:H	1:C:84:PHE:H	13	0.22
(1,922)	1:C:58:VAL:H	1:C:84:PHE:H	20	0.22
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	14	0.22
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	18	0.22
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	12	0.22
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG11	11	0.22
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG12	11	0.22
(1,853)	1:C:41:LYS:H	1:C:64:VAL:HG13	11	0.22
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	7	0.22
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	16	0.22
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB1	9	0.22
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB2	9	0.22
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB3	9	0.22
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	1	0.22
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	1	0.22
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	1	0.22
(1,821)	1:C:30:HIS:H	1:C:32:PHE:H	11	0.22
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE1	15	0.22
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE2	15	0.22
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE1	15	0.22
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE2	15	0.22
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE1	15	0.22
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE2	15	0.22
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	8	0.22
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	11	0.22
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	19	0.22
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	19	0.22
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB1	6	0.22
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB2	6	0.22
(1,723)	1:B:128:LEU:HD21	1:B:129:ALA:HB3	6	0.22
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB1	6	0.22
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB2	6	0.22
(1,723)	1:B:128:LEU:HD22	1:B:129:ALA:HB3	6	0.22
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB1	6	0.22
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB2	6	0.22
(1,723)	1:B:128:LEU:HD23	1:B:129:ALA:HB3	6	0.22
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	19	0.22
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	19	0.22
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	19	0.22
(1,682)	1:B:110:ALA:H	1:B:112:GLU:H	2	0.22
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	10	0.22
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	7	0.22
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	17	0.22
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	8	0.22
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	13	0.22
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	4	0.22
(1,547)	1:B:57:GLU:H	1:B:84:PHE:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	14	0.22
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	9	0.22
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	15	0.22
(1,498)	1:B:44:LEU:H	1:B:63:THR:H	10	0.22
(1,498)	1:B:44:LEU:H	1:B:63:THR:H	12	0.22
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	10	0.22
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	17	0.22
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	11	0.22
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	11	0.22
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	18	0.22
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	18	0.22
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	6	0.22
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	18	0.22
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	12	0.22
(1,360)	1:A:122:THR:H	1:B:18:THR:H	10	0.22
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	4	0.22
(1,322)	1:A:109:TYR:H	1:A:111:ARG:H	17	0.22
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	1	0.22
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	10	0.22
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	10	0.22
(1,303)	1:A:97:CYS:H	1:A:98:LEU:H	16	0.22
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	8	0.22
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	4	0.22
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	4	0.22
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	4	0.22
(1,250)	1:A:74:PHE:HE1	1:A:126:LEU:HD21	4	0.22
(1,250)	1:A:74:PHE:HE1	1:A:126:LEU:HD22	4	0.22
(1,250)	1:A:74:PHE:HE1	1:A:126:LEU:HD23	4	0.22
(1,250)	1:A:74:PHE:HE2	1:A:126:LEU:HD21	4	0.22
(1,250)	1:A:74:PHE:HE2	1:A:126:LEU:HD22	4	0.22
(1,250)	1:A:74:PHE:HE2	1:A:126:LEU:HD23	4	0.22
(1,24)	1:A:17:TYR:H	1:A:81:GLY:H	2	0.22
(1,180)	1:A:58:VAL:HG11	1:A:59:VAL:H	6	0.22
(1,180)	1:A:58:VAL:HG12	1:A:59:VAL:H	6	0.22
(1,180)	1:A:58:VAL:HG13	1:A:59:VAL:H	6	0.22
(1,1700)	1:B:128:LEU:HD11	2:H:290:TRP:HE3	4	0.22
(1,1700)	1:B:128:LEU:HD12	2:H:290:TRP:HE3	4	0.22
(1,1700)	1:B:128:LEU:HD13	2:H:290:TRP:HE3	4	0.22
(1,1700)	1:B:128:LEU:HD21	2:H:290:TRP:HE3	4	0.22
(1,1700)	1:B:128:LEU:HD22	2:H:290:TRP:HE3	4	0.22
(1,1700)	1:B:128:LEU:HD23	2:H:290:TRP:HE3	4	0.22
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	14	0.22
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	14	0.22
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	14	0.22
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	14	0.22
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	14	0.22
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD11	4	0.22
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD12	4	0.22
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD13	4	0.22
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD21	4	0.22
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD22	4	0.22
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD23	4	0.22
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD11	4	0.22
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD12	4	0.22
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD13	4	0.22
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD21	4	0.22
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD22	4	0.22
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD23	4	0.22
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD11	4	0.22
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD12	4	0.22
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD13	4	0.22
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD21	4	0.22
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD22	4	0.22
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD23	4	0.22
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	12	0.22
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	12	0.22
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	12	0.22
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	12	0.22
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	12	0.22
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	12	0.22
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	12	0.22
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	12	0.22
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	12	0.22
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	9	0.22
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	9	0.22
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	9	0.22
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	9	0.22
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	9	0.22
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	9	0.22
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD11	10	0.22
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD12	10	0.22
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD13	10	0.22
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD11	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD12	10	0.22
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD13	10	0.22
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD11	10	0.22
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD12	10	0.22
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD13	10	0.22
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD11	18	0.22
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD12	18	0.22
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD13	18	0.22
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD21	18	0.22
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD22	18	0.22
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD23	18	0.22
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD11	18	0.22
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD12	18	0.22
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD13	18	0.22
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD21	18	0.22
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD22	18	0.22
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD23	18	0.22
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD11	18	0.22
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD12	18	0.22
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD13	18	0.22
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD21	18	0.22
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD22	18	0.22
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD23	18	0.22
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD11	18	0.22
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD12	18	0.22
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD13	18	0.22
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD21	18	0.22
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD22	18	0.22
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD23	18	0.22
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD11	18	0.22
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD12	18	0.22
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD13	18	0.22
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD21	18	0.22
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD22	18	0.22
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD23	18	0.22
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD11	18	0.22
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD12	18	0.22
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD13	18	0.22
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD21	18	0.22
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD22	18	0.22
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD23	18	0.22
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	5	0.22
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	5	0.22
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	5	0.22
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	5	0.22
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	5	0.22
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	5	0.22
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	5	0.22
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	5	0.22
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	8	0.22
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	8	0.22
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	8	0.22
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	8	0.22
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	8	0.22
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	8	0.22
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	8	0.22
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	8	0.22
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	8	0.22
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	19	0.22
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	19	0.22
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	19	0.22
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	19	0.22
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	19	0.22
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	19	0.22
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	19	0.22
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	19	0.22
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	19	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	6	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	6	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	6	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	8	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	8	0.22
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	8	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG21	16	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG22	16	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG23	16	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG21	16	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG22	16	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG23	16	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG21	16	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG22	16	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG23	16	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG21	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG22	20	0.22
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG23	20	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG21	20	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG22	20	0.22
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG23	20	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG21	20	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG22	20	0.22
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG23	20	0.22
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	13	0.22
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	13	0.22
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	13	0.22
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	13	0.22
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	13	0.22
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	13	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD11	19	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD12	19	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD13	19	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD21	19	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD22	19	0.22
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD23	19	0.22
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD11	19	0.22
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD12	19	0.22
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD13	19	0.22
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD21	19	0.22
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD22	19	0.22
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD23	19	0.22
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD11	19	0.22
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD12	19	0.22
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD13	19	0.22
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD21	19	0.22
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD22	19	0.22
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD23	19	0.22
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	6	0.22
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	6	0.22
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	6	0.22
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	6	0.22
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	6	0.22
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	6	0.22
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	6	0.22
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	6	0.22
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	6	0.22
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	6	0.22
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	6	0.22
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	6	0.22
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	6	0.22
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	6	0.22
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	6	0.22
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	6	0.22
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	6	0.22
(1,146)	1:A:50:GLN:H	1:A:57:GLU:H	18	0.22
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG21	15	0.22
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG22	15	0.22
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG23	15	0.22
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	14	0.22
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	8	0.22
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	11	0.22
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	8	0.22
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	15	0.22
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG21	13	0.22
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG22	13	0.22
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG23	13	0.22
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG21	13	0.22
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG22	13	0.22
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG23	13	0.22
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG21	13	0.22
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG22	13	0.22
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG23	13	0.22
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	5	0.22
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	5	0.22
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	5	0.22
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	5	0.22
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	5	0.22
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	5	0.22
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	5	0.22
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	5	0.22
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	5	0.22
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	6	0.22
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	19	0.22
(1,126)	1:A:44:LEU:HD21	1:A:60:LEU:HD11	6	0.22
(1,126)	1:A:44:LEU:HD21	1:A:60:LEU:HD12	6	0.22
(1,126)	1:A:44:LEU:HD21	1:A:60:LEU:HD13	6	0.22
(1,126)	1:A:44:LEU:HD22	1:A:60:LEU:HD11	6	0.22
(1,126)	1:A:44:LEU:HD22	1:A:60:LEU:HD12	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:A:44:LEU:HD22	1:A:60:LEU:HD13	6	0.22
(1,126)	1:A:44:LEU:HD23	1:A:60:LEU:HD11	6	0.22
(1,126)	1:A:44:LEU:HD23	1:A:60:LEU:HD12	6	0.22
(1,126)	1:A:44:LEU:HD23	1:A:60:LEU:HD13	6	0.22
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	11	0.22
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	6	0.22
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	20	0.22
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	1	0.22
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	2	0.22
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	14	0.22
(1,1176)	1:D:24:GLU:H	1:D:75:LEU:H	8	0.22
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	18	0.22
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	4	0.22
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	18	0.22
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	18	0.22
(1,1118)	1:C:135:ALA:H	1:C:138:MET:H	18	0.22
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	11	0.22
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	11	0.22
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	11	0.22
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	20	0.22
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	6	0.22
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	3	0.22
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	7	0.22
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	9	0.22
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	15	0.22
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	12	0.22
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	12	0.22
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	12	0.22
(2,2)	1:C:40:VAL:O	2:F:290:TRP:NE1	8	0.21
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	17	0.21
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	17	0.21
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	17	0.21
(1,922)	1:C:58:VAL:H	1:C:84:PHE:H	16	0.21
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	7	0.21
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	16	0.21
(1,909)	1:C:55:VAL:H	1:C:86:ILE:H	18	0.21
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	19	0.21
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	10	0.21
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	20	0.21
(1,849)	1:C:40:VAL:HG11	1:C:41:LYS:H	5	0.21
(1,849)	1:C:40:VAL:HG12	1:C:41:LYS:H	5	0.21
(1,849)	1:C:40:VAL:HG13	1:C:41:LYS:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	11	0.21
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	20	0.21
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	20	0.21
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	20	0.21
(1,777)	1:C:17:TYR:HE1	1:C:82:GLY:H	18	0.21
(1,777)	1:C:17:TYR:HE2	1:C:82:GLY:H	18	0.21
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	4	0.21
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	14	0.21
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	14	0.21
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	14	0.21
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	17	0.21
(1,663)	1:B:98:LEU:H	1:B:101:TYR:H	3	0.21
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	2	0.21
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	6	0.21
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	2	0.21
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	9	0.21
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	8	0.21
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	7	0.21
(1,553)	1:B:58:VAL:HG11	1:B:59:VAL:H	2	0.21
(1,553)	1:B:58:VAL:HG12	1:B:59:VAL:H	2	0.21
(1,553)	1:B:58:VAL:HG13	1:B:59:VAL:H	2	0.21
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	7	0.21
(1,537)	1:B:55:VAL:H	1:B:56:TYR:HD1	8	0.21
(1,537)	1:B:55:VAL:H	1:B:56:TYR:HD2	8	0.21
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	1	0.21
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	12	0.21
(1,467)	1:B:33:GLN:H	1:B:35:ASP:H	10	0.21
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	15	0.21
(1,388)	1:A:136:LEU:H	1:A:138:MET:H	7	0.21
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	13	0.21
(1,376)	1:A:133:PHE:H	1:A:134:ASP:H	6	0.21
(1,376)	1:A:133:PHE:H	1:A:134:ASP:H	9	0.21
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	20	0.21
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	12	0.21
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	18	0.21
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	4	0.21
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	19	0.21
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	20	0.21
(1,3)	1:A:10:THR:H	1:A:87:ALA:H	13	0.21
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	16	0.21
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	7	0.21
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	3	0.21
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	3	0.21
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	3	0.21
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	16	0.21
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	16	0.21
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	16	0.21
(1,228)	1:A:67:SER:H	1:A:73:ALA:H	3	0.21
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	18	0.21
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	18	0.21
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	13	0.21
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	13	0.21
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	13	0.21
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	13	0.21
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	13	0.21
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	13	0.21
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD11	1	0.21
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD12	1	0.21
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD13	1	0.21
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD21	1	0.21
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD22	1	0.21
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD23	1	0.21
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD11	1	0.21
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD12	1	0.21
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD13	1	0.21
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD21	1	0.21
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD22	1	0.21
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD23	1	0.21
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD11	1	0.21
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD12	1	0.21
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD13	1	0.21
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD21	1	0.21
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD22	1	0.21
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD23	1	0.21
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD11	1	0.21
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD12	1	0.21
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD13	1	0.21
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD21	1	0.21
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD22	1	0.21
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD23	1	0.21
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD11	1	0.21
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD12	1	0.21
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD13	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD21	1	0.21
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD22	1	0.21
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD23	1	0.21
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD11	1	0.21
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD12	1	0.21
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD13	1	0.21
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD21	1	0.21
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD22	1	0.21
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD23	1	0.21
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	9	0.21
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	9	0.21
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	9	0.21
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	9	0.21
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	9	0.21
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	9	0.21
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	9	0.21
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	9	0.21
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	9	0.21
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	10	0.21
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	10	0.21
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	10	0.21
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	10	0.21
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	10	0.21
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	10	0.21
(1,1666)	1:B:129:ALA:HB1	2:H:290:TRP:HZ3	17	0.21
(1,1666)	1:B:129:ALA:HB2	2:H:290:TRP:HZ3	17	0.21
(1,1666)	1:B:129:ALA:HB3	2:H:290:TRP:HZ3	17	0.21
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	12	0.21
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	12	0.21
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	12	0.21
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	12	0.21
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	12	0.21
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	12	0.21
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	12	0.21
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	12	0.21
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	12	0.21
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	1	0.21
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	1	0.21
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	1	0.21
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	1	0.21
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	1	0.21
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	5	0.21
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	5	0.21
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	5	0.21
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG21	6	0.21
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG22	6	0.21
(1,1563)	1:C:74:PHE:HZ	2:F:296:THR:HG23	6	0.21
(1,1541)	1:A:128:LEU:HD11	2:E:290:TRP:HE3	16	0.21
(1,1541)	1:A:128:LEU:HD12	2:E:290:TRP:HE3	16	0.21
(1,1541)	1:A:128:LEU:HD13	2:E:290:TRP:HE3	16	0.21
(1,1541)	1:A:128:LEU:HD21	2:E:290:TRP:HE3	16	0.21
(1,1541)	1:A:128:LEU:HD22	2:E:290:TRP:HE3	16	0.21
(1,1541)	1:A:128:LEU:HD23	2:E:290:TRP:HE3	16	0.21
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	16	0.21
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	16	0.21
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	16	0.21
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	16	0.21
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	16	0.21
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	16	0.21
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	16	0.21
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	16	0.21
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	16	0.21
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	18	0.21
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	18	0.21
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	18	0.21
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	18	0.21
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	18	0.21
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	18	0.21
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	18	0.21
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	18	0.21
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	18	0.21
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	8	0.21
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	8	0.21
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	8	0.21
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	8	0.21
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	8	0.21
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	8	0.21
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD11	6	0.21
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD12	6	0.21
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD13	6	0.21
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD21	6	0.21
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD22	6	0.21
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD23	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD11	6	0.21
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD12	6	0.21
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD13	6	0.21
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD21	6	0.21
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD22	6	0.21
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD23	6	0.21
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD11	6	0.21
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD12	6	0.21
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD13	6	0.21
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD21	6	0.21
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD22	6	0.21
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD23	6	0.21
(1,1514)	1:A:123:PHE:HE1	2:E:301:ILE:HD11	1	0.21
(1,1514)	1:A:123:PHE:HE1	2:E:301:ILE:HD12	1	0.21
(1,1514)	1:A:123:PHE:HE1	2:E:301:ILE:HD13	1	0.21
(1,1514)	1:A:123:PHE:HE2	2:E:301:ILE:HD11	1	0.21
(1,1514)	1:A:123:PHE:HE2	2:E:301:ILE:HD12	1	0.21
(1,1514)	1:A:123:PHE:HE2	2:E:301:ILE:HD13	1	0.21
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	13	0.21
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	13	0.21
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	13	0.21
(1,1500)	1:A:60:LEU:HD21	2:E:281:PHE:HZ	9	0.21
(1,1500)	1:A:60:LEU:HD22	2:E:281:PHE:HZ	9	0.21
(1,1500)	1:A:60:LEU:HD23	2:E:281:PHE:HZ	9	0.21
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	17	0.21
(1,1462)	1:D:128:LEU:HD11	1:D:129:ALA:H	2	0.21
(1,1462)	1:D:128:LEU:HD12	1:D:129:ALA:H	2	0.21
(1,1462)	1:D:128:LEU:HD13	1:D:129:ALA:H	2	0.21
(1,1433)	1:D:113:CYS:H	1:D:115:THR:H	13	0.21
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	12	0.21
(1,1409)	1:D:99:GLY:H	1:D:100:ALA:H	15	0.21
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	17	0.21
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD11	14	0.21
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD12	14	0.21
(1,1395)	1:D:94:MET:HE1	1:D:98:LEU:HD13	14	0.21
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD11	14	0.21
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD12	14	0.21
(1,1395)	1:D:94:MET:HE2	1:D:98:LEU:HD13	14	0.21
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD11	14	0.21
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD12	14	0.21
(1,1395)	1:D:94:MET:HE3	1:D:98:LEU:HD13	14	0.21
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	5	0.21
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	17	0.21
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	9	0.21
(1,1266)	1:D:55:VAL:H	1:D:56:TYR:H	11	0.21
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	9	0.21
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	18	0.21
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	4	0.21
(1,1224)	1:D:42:LEU:HD11	1:D:128:LEU:HD11	7	0.21
(1,1224)	1:D:42:LEU:HD11	1:D:128:LEU:HD12	7	0.21
(1,1224)	1:D:42:LEU:HD11	1:D:128:LEU:HD13	7	0.21
(1,1224)	1:D:42:LEU:HD12	1:D:128:LEU:HD11	7	0.21
(1,1224)	1:D:42:LEU:HD12	1:D:128:LEU:HD12	7	0.21
(1,1224)	1:D:42:LEU:HD12	1:D:128:LEU:HD13	7	0.21
(1,1224)	1:D:42:LEU:HD13	1:D:128:LEU:HD11	7	0.21
(1,1224)	1:D:42:LEU:HD13	1:D:128:LEU:HD12	7	0.21
(1,1224)	1:D:42:LEU:HD13	1:D:128:LEU:HD13	7	0.21
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	4	0.21
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	6	0.21
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	6	0.21
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	6	0.21
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	3	0.21
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	4	0.21
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	7	0.21
(1,1164)	1:D:20:ASP:H	1:D:79:GLN:H	10	0.21
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	7	0.21
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	3	0.21
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	4	0.21
(1,1101)	1:C:126:LEU:HD21	1:C:127:ASN:H	14	0.21
(1,1101)	1:C:126:LEU:HD22	1:C:127:ASN:H	14	0.21
(1,1101)	1:C:126:LEU:HD23	1:C:127:ASN:H	14	0.21
(1,1039)	1:C:97:CYS:H	1:C:99:GLY:H	15	0.21
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	8	0.21
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	8	0.21
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	8	0.21
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	8	0.21
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	8	0.21
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	8	0.21
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	8	0.21
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	8	0.21
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	8	0.21
(1,972)	1:C:68:LEU:H	1:C:69:GLY:H	8	0.2
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	7	0.2
(1,922)	1:C:58:VAL:H	1:C:84:PHE:H	15	0.2
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	1	0.2
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	17	0.2
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	1	0.2
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	1	0.2
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	19	0.2
(1,84)	1:A:32:PHE:H	1:A:33:GLN:H	13	0.2
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE1	19	0.2
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE2	19	0.2
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE1	19	0.2
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE2	19	0.2
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE1	19	0.2
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE2	19	0.2
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	3	0.2
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	16	0.2
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	2	0.2
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	11	0.2
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	7	0.2
(1,738)	1:B:136:LEU:H	1:B:138:MET:H	19	0.2
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	20	0.2
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	5	0.2
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	6	0.2
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	6	0.2
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	6	0.2
(1,706)	1:B:118:VAL:HG11	1:B:126:LEU:H	13	0.2
(1,706)	1:B:118:VAL:HG12	1:B:126:LEU:H	13	0.2
(1,706)	1:B:118:VAL:HG13	1:B:126:LEU:H	13	0.2
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	12	0.2
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	14	0.2
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	18	0.2
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	5	0.2
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	7	0.2
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	2	0.2
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	17	0.2
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	8	0.2
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	18	0.2
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	8	0.2
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	8	0.2
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	8	0.2
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	8	0.2
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	8	0.2
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	8	0.2
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	8	0.2
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	8	0.2
(1,644)	1:B:93:GLN:H	1:B:96:HIS:H	10	0.2
(1,640)	1:B:92:THR:H	1:B:94:MET:H	17	0.2
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	14	0.2
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	20	0.2
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB1	1	0.2
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB2	1	0.2
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB3	1	0.2
(1,546)	1:B:57:GLU:H	1:B:58:VAL:H	5	0.2
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	3	0.2
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	6	0.2
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	9	0.2
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	9	0.2
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	9	0.2
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	11	0.2
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	11	0.2
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	5	0.2
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	6	0.2
(1,421)	1:B:15:ARG:H	1:B:83:ILE:H	16	0.2
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	4	0.2
(1,413)	1:B:12:GLN:H	1:B:13:ILE:H	4	0.2
(1,396)	1:A:138:MET:H	1:A:141:LEU:H	3	0.2
(1,396)	1:A:138:MET:H	1:A:141:LEU:H	14	0.2
(1,384)	1:A:135:ALA:H	1:A:138:MET:H	11	0.2
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	3	0.2
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	13	0.2
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	2	0.2
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	12	0.2
(1,319)	1:A:101:TYR:H	1:A:102:CYS:H	14	0.2
(1,314)	1:A:99:GLY:H	1:A:102:CYS:H	16	0.2
(1,308)	1:A:98:LEU:H	1:A:100:ALA:H	9	0.2
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	4	0.2
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	15	0.2
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	18	0.2
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	12	0.2
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	12	0.2
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	12	0.2
(1,235)	1:A:69:GLY:H	1:A:70:GLU:H	17	0.2
(1,231)	1:A:68:LEU:H	1:A:71:GLU:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	10	0.2
(1,193)	1:A:60:LEU:H	1:A:82:GLY:H	16	0.2
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	4	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	14	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	14	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	14	0.2
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	14	0.2
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	14	0.2
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	14	0.2
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	14	0.2
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	14	0.2
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	14	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	15	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	15	0.2
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	15	0.2
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	15	0.2
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	15	0.2
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	15	0.2
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	15	0.2
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	15	0.2
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	15	0.2
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD11	2	0.2
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD12	2	0.2
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD13	2	0.2
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD21	2	0.2
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD22	2	0.2
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD23	2	0.2
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD11	2	0.2
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD12	2	0.2
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD13	2	0.2
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD21	2	0.2
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD22	2	0.2
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD23	2	0.2
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD11	2	0.2
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD12	2	0.2
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD13	2	0.2
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD21	2	0.2
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD22	2	0.2
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD23	2	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	4	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	4	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	6	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	6	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	6	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	18	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	18	0.2
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	18	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	8	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	8	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	8	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	8	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	8	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	8	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	17	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	17	0.2
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	17	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	17	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	17	0.2
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	17	0.2
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	8	0.2
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	8	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	12	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	12	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	12	0.2
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	12	0.2
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	12	0.2
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	12	0.2
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	12	0.2
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	12	0.2
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	12	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	18	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	18	0.2
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	18	0.2
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	18	0.2
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	18	0.2
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	18	0.2
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	18	0.2
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	18	0.2
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	18	0.2
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	16	0.2
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	8	0.2
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	8	0.2
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	8	0.2
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	8	0.2
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	8	0.2
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	10	0.2
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	10	0.2
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	10	0.2
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	11	0.2
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	11	0.2
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	11	0.2
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	10	0.2
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	10	0.2
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	10	0.2
(1,1594)	1:C:128:LEU:HD11	2:F:290:TRP:HE3	5	0.2
(1,1594)	1:C:128:LEU:HD12	2:F:290:TRP:HE3	5	0.2
(1,1594)	1:C:128:LEU:HD13	2:F:290:TRP:HE3	5	0.2
(1,1594)	1:C:128:LEU:HD21	2:F:290:TRP:HE3	5	0.2
(1,1594)	1:C:128:LEU:HD22	2:F:290:TRP:HE3	5	0.2
(1,1594)	1:C:128:LEU:HD23	2:F:290:TRP:HE3	5	0.2
(1,1557)	1:C:106:LEU:HD11	2:F:281:PHE:HZ	8	0.2
(1,1557)	1:C:106:LEU:HD12	2:F:281:PHE:HZ	8	0.2
(1,1557)	1:C:106:LEU:HD13	2:F:281:PHE:HZ	8	0.2
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG21	6	0.2
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG22	6	0.2
(1,1547)	1:B:13:ILE:HD11	2:E:306:VAL:HG23	6	0.2
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG21	6	0.2
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG22	6	0.2
(1,1547)	1:B:13:ILE:HD12	2:E:306:VAL:HG23	6	0.2
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG21	6	0.2
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG22	6	0.2
(1,1547)	1:B:13:ILE:HD13	2:E:306:VAL:HG23	6	0.2
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	2	0.2
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	2	0.2
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	2	0.2
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	2	0.2
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	2	0.2
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	2	0.2
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	2	0.2
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	2	0.2
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	2	0.2
(1,1541)	1:A:128:LEU:HD11	2:E:290:TRP:HE3	15	0.2
(1,1541)	1:A:128:LEU:HD12	2:E:290:TRP:HE3	15	0.2
(1,1541)	1:A:128:LEU:HD13	2:E:290:TRP:HE3	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:A:128:LEU:HD21	2:E:290:TRP:HE3	15	0.2
(1,1541)	1:A:128:LEU:HD22	2:E:290:TRP:HE3	15	0.2
(1,1541)	1:A:128:LEU:HD23	2:E:290:TRP:HE3	15	0.2
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	5	0.2
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	5	0.2
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	5	0.2
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	5	0.2
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	5	0.2
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	5	0.2
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	5	0.2
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	5	0.2
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	5	0.2
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	1	0.2
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	1	0.2
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	1	0.2
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	1	0.2
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	1	0.2
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	1	0.2
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	1	0.2
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	1	0.2
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	1	0.2
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	1	0.2
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	1	0.2
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	1	0.2
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	1	0.2
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	1	0.2
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	1	0.2
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	1	0.2
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	1	0.2
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	1	0.2
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	20	0.2
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	20	0.2
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	20	0.2
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	10	0.2
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG21	7	0.2
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG22	7	0.2
(1,1463)	1:D:128:LEU:HD11	1:D:131:VAL:HG23	7	0.2
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG21	7	0.2
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG22	7	0.2
(1,1463)	1:D:128:LEU:HD12	1:D:131:VAL:HG23	7	0.2
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG21	7	0.2
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG22	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:D:128:LEU:HD13	1:D:131:VAL:HG23	7	0.2
(1,1462)	1:D:128:LEU:HD11	1:D:129:ALA:H	13	0.2
(1,1462)	1:D:128:LEU:HD12	1:D:129:ALA:H	13	0.2
(1,1462)	1:D:128:LEU:HD13	1:D:129:ALA:H	13	0.2
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG21	18	0.2
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG22	18	0.2
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG23	18	0.2
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	18	0.2
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	2	0.2
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	17	0.2
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	7	0.2
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	11	0.2
(1,1382)	1:D:91:GLY:H	1:D:95:ALA:H	1	0.2
(1,136)	1:A:47:ALA:H	1:A:59:VAL:H	11	0.2
(1,132)	1:A:45:ASP:H	1:A:63:THR:H	1	0.2
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	17	0.2
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	17	0.2
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	17	0.2
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	17	0.2
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	17	0.2
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	17	0.2
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	17	0.2
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	17	0.2
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	17	0.2
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	2	0.2
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	16	0.2
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	17	0.2
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	12	0.2
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	19	0.2
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	13	0.2
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	13	0.2
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	18	0.2
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	18	0.2
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	15	0.2
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	15	0.2
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	15	0.2
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	15	0.2
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	15	0.2
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	15	0.2
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	15	0.2
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	15	0.2
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	8	0.2
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	5	0.2
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	20	0.2
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	20	0.2
(1,111)	1:A:41:LYS:H	1:A:65:THR:H	3	0.2
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	17	0.2
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	18	0.2
(1,1042)	1:C:98:LEU:H	1:C:99:GLY:H	5	0.2
(1,1042)	1:C:98:LEU:H	1:C:99:GLY:H	19	0.2
(1,1028)	1:C:93:GLN:H	1:C:96:HIS:H	16	0.2
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	13	0.19
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	13	0.19
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	13	0.19
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	17	0.19
(1,961)	1:C:66:ALA:H	1:C:73:ALA:H	15	0.19
(1,961)	1:C:66:ALA:H	1:C:73:ALA:H	16	0.19
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	8	0.19
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	13	0.19
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	11	0.19
(1,84)	1:A:32:PHE:H	1:A:33:GLN:H	15	0.19
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE1	4	0.19
(1,819)	1:C:28:ALA:HB1	1:D:17:TYR:HE2	4	0.19
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE1	4	0.19
(1,819)	1:C:28:ALA:HB2	1:D:17:TYR:HE2	4	0.19
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE1	4	0.19
(1,819)	1:C:28:ALA:HB3	1:D:17:TYR:HE2	4	0.19
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	20	0.19
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	9	0.19
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	2	0.19
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	2	0.19
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	3	0.19
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	3	0.19
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	11	0.19
(1,697)	1:B:115:THR:H	1:B:117:MET:H	19	0.19
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	1	0.19
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	17	0.19
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	6	0.19
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	6	0.19
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	4	0.19
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	16	0.19
(1,664)	1:B:98:LEU:H	1:B:102:CYS:H	8	0.19
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:B:93:GLN:H	1:B:96:HIS:H	19	0.19
(1,640)	1:B:92:THR:H	1:B:94:MET:H	6	0.19
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	13	0.19
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	1	0.19
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	18	0.19
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	3	0.19
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	3	0.19
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	6	0.19
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	6	0.19
(1,506)	1:B:45:ASP:H	1:B:63:THR:H	7	0.19
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	3	0.19
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	3	0.19
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	3	0.19
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	3	0.19
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	11	0.19
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	11	0.19
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	11	0.19
(1,466)	1:B:33:GLN:H	1:B:34:LYS:H	12	0.19
(1,455)	1:B:31:VAL:H	1:B:32:PHE:H	3	0.19
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	6	0.19
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	10	0.19
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	14	0.19
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	12	0.19
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	5	0.19
(1,384)	1:A:135:ALA:H	1:A:138:MET:H	20	0.19
(1,381)	1:A:134:ASP:H	1:A:136:LEU:H	1	0.19
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	5	0.19
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	5	0.19
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	5	0.19
(1,362)	1:A:126:LEU:H	1:A:127:ASN:H	1	0.19
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	13	0.19
(1,325)	1:A:110:ALA:H	1:A:112:GLU:H	11	0.19
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	11	0.19
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	18	0.19
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	16	0.19
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	11	0.19
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	6	0.19
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	6	0.19
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	6	0.19
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	20	0.19
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	20	0.19
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	16	0.19
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	16	0.19
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	16	0.19
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	16	0.19
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	16	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	3	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	3	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	3	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	3	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	3	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	3	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	13	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	13	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	13	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	13	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	13	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	13	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	20	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	20	0.19
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	20	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	20	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	20	0.19
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD11	20	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD12	20	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD21	20	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD22	20	0.19
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD23	20	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD11	20	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD12	20	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD21	20	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD22	20	0.19
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD23	20	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD11	20	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD12	20	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD21	20	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD22	20	0.19
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD23	20	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD11	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD12	20	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD21	20	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD22	20	0.19
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD23	20	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD11	20	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD12	20	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD21	20	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD22	20	0.19
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD23	20	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD11	20	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD12	20	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD13	20	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD21	20	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD22	20	0.19
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD23	20	0.19
(1,1630)	1:D:86:ILE:HD11	2:G:278:LEU:HD11	14	0.19
(1,1630)	1:D:86:ILE:HD11	2:G:278:LEU:HD12	14	0.19
(1,1630)	1:D:86:ILE:HD11	2:G:278:LEU:HD13	14	0.19
(1,1630)	1:D:86:ILE:HD11	2:G:278:LEU:HD21	14	0.19
(1,1630)	1:D:86:ILE:HD11	2:G:278:LEU:HD22	14	0.19
(1,1630)	1:D:86:ILE:HD11	2:G:278:LEU:HD23	14	0.19
(1,1630)	1:D:86:ILE:HD12	2:G:278:LEU:HD11	14	0.19
(1,1630)	1:D:86:ILE:HD12	2:G:278:LEU:HD12	14	0.19
(1,1630)	1:D:86:ILE:HD12	2:G:278:LEU:HD13	14	0.19
(1,1630)	1:D:86:ILE:HD12	2:G:278:LEU:HD21	14	0.19
(1,1630)	1:D:86:ILE:HD12	2:G:278:LEU:HD22	14	0.19
(1,1630)	1:D:86:ILE:HD12	2:G:278:LEU:HD23	14	0.19
(1,1630)	1:D:86:ILE:HD13	2:G:278:LEU:HD11	14	0.19
(1,1630)	1:D:86:ILE:HD13	2:G:278:LEU:HD12	14	0.19
(1,1630)	1:D:86:ILE:HD13	2:G:278:LEU:HD13	14	0.19
(1,1630)	1:D:86:ILE:HD13	2:G:278:LEU:HD21	14	0.19
(1,1630)	1:D:86:ILE:HD13	2:G:278:LEU:HD22	14	0.19
(1,1630)	1:D:86:ILE:HD13	2:G:278:LEU:HD23	14	0.19
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD1	19	0.19
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD2	19	0.19
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD1	19	0.19
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD2	19	0.19
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD1	19	0.19
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD2	19	0.19
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG21	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG22	2	0.19
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG23	2	0.19
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG21	2	0.19
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG22	2	0.19
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG23	2	0.19
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG21	2	0.19
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG22	2	0.19
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG23	2	0.19
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG21	8	0.19
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG22	8	0.19
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG23	8	0.19
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG21	8	0.19
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG22	8	0.19
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG23	8	0.19
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG21	8	0.19
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG22	8	0.19
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG23	8	0.19
(1,1612)	1:D:58:VAL:HG21	2:G:278:LEU:HD11	14	0.19
(1,1612)	1:D:58:VAL:HG21	2:G:278:LEU:HD12	14	0.19
(1,1612)	1:D:58:VAL:HG21	2:G:278:LEU:HD13	14	0.19
(1,1612)	1:D:58:VAL:HG21	2:G:278:LEU:HD21	14	0.19
(1,1612)	1:D:58:VAL:HG21	2:G:278:LEU:HD22	14	0.19
(1,1612)	1:D:58:VAL:HG21	2:G:278:LEU:HD23	14	0.19
(1,1612)	1:D:58:VAL:HG22	2:G:278:LEU:HD11	14	0.19
(1,1612)	1:D:58:VAL:HG22	2:G:278:LEU:HD12	14	0.19
(1,1612)	1:D:58:VAL:HG22	2:G:278:LEU:HD13	14	0.19
(1,1612)	1:D:58:VAL:HG22	2:G:278:LEU:HD21	14	0.19
(1,1612)	1:D:58:VAL:HG22	2:G:278:LEU:HD22	14	0.19
(1,1612)	1:D:58:VAL:HG22	2:G:278:LEU:HD23	14	0.19
(1,1612)	1:D:58:VAL:HG23	2:G:278:LEU:HD11	14	0.19
(1,1612)	1:D:58:VAL:HG23	2:G:278:LEU:HD12	14	0.19
(1,1612)	1:D:58:VAL:HG23	2:G:278:LEU:HD13	14	0.19
(1,1612)	1:D:58:VAL:HG23	2:G:278:LEU:HD21	14	0.19
(1,1612)	1:D:58:VAL:HG23	2:G:278:LEU:HD22	14	0.19
(1,1612)	1:D:58:VAL:HG23	2:G:278:LEU:HD23	14	0.19
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	10	0.19
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	11	0.19
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	11	0.19
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	11	0.19
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	11	0.19
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	11	0.19
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	11	0.19
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	11	0.19
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	11	0.19
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	12	0.19
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	12	0.19
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	12	0.19
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	12	0.19
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	12	0.19
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	12	0.19
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	12	0.19
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	12	0.19
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	12	0.19
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG11	11	0.19
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG12	11	0.19
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG13	11	0.19
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG11	11	0.19
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG12	11	0.19
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG13	11	0.19
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG11	11	0.19
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG12	11	0.19
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG13	11	0.19
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD11	15	0.19
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD12	15	0.19
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD13	15	0.19
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD11	13	0.19
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD12	13	0.19
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD13	13	0.19
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD21	13	0.19
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD22	13	0.19
(1,1524)	1:A:86:ILE:HD11	2:E:278:LEU:HD23	13	0.19
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD11	13	0.19
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD12	13	0.19
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD13	13	0.19
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD21	13	0.19
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD22	13	0.19
(1,1524)	1:A:86:ILE:HD12	2:E:278:LEU:HD23	13	0.19
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD11	13	0.19
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD12	13	0.19
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD13	13	0.19
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD21	13	0.19
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD22	13	0.19
(1,1524)	1:A:86:ILE:HD13	2:E:278:LEU:HD23	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD11	12	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD12	12	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD13	12	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD21	12	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD22	12	0.19
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD23	12	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD11	12	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD12	12	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD13	12	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD21	12	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD22	12	0.19
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD23	12	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD11	12	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD12	12	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD13	12	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD21	12	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD22	12	0.19
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD23	12	0.19
(1,1516)	1:A:36:TRP:HH2	2:E:301:ILE:HD11	6	0.19
(1,1516)	1:A:36:TRP:HH2	2:E:301:ILE:HD12	6	0.19
(1,1516)	1:A:36:TRP:HH2	2:E:301:ILE:HD13	6	0.19
(1,1452)	1:D:118:VAL:HG21	1:D:126:LEU:H	9	0.19
(1,1452)	1:D:118:VAL:HG22	1:D:126:LEU:H	9	0.19
(1,1452)	1:D:118:VAL:HG23	1:D:126:LEU:H	9	0.19
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	6	0.19
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	6	0.19
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	6	0.19
(1,1449)	1:D:118:VAL:HG11	1:D:125:GLN:H	17	0.19
(1,1449)	1:D:118:VAL:HG12	1:D:125:GLN:H	17	0.19
(1,1449)	1:D:118:VAL:HG13	1:D:125:GLN:H	17	0.19
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	4	0.19
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	6	0.19
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	19	0.19
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	8	0.19
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	3	0.19
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	19	0.19
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	15	0.19
(1,1401)	1:D:96:HIS:H	1:D:98:LEU:H	13	0.19
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	9	0.19
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	4	0.19
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	12	0.19
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD21	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD22	16	0.19
(1,1228)	1:D:42:LEU:HD21	1:D:128:LEU:HD23	16	0.19
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD21	16	0.19
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD22	16	0.19
(1,1228)	1:D:42:LEU:HD22	1:D:128:LEU:HD23	16	0.19
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD21	16	0.19
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD22	16	0.19
(1,1228)	1:D:42:LEU:HD23	1:D:128:LEU:HD23	16	0.19
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	5	0.19
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD21	11	0.19
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD22	11	0.19
(1,1211)	1:D:36:TRP:H	1:D:68:LEU:HD23	11	0.19
(1,1203)	1:D:33:GLN:H	1:D:35:ASP:H	6	0.19
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	9	0.19
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	16	0.19
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	16	0.19
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	12	0.19
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	3	0.19
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	3	0.19
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	13	0.19
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	13	0.19
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	13	0.19
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	4	0.19
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	19	0.19
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	9	0.18
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	16	0.18
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	1	0.18
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	9	0.18
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	6	0.18
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	8	0.18
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	11	0.18
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	14	0.18
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	20	0.18
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	3	0.18
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	9	0.18
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	9	0.18
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	9	0.18
(1,821)	1:C:30:HIS:H	1:C:32:PHE:H	8	0.18
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	10	0.18
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	9	0.18
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD1	13	0.18
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD2	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD1	13	0.18
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD2	13	0.18
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD1	13	0.18
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD2	13	0.18
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	14	0.18
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	7	0.18
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	9	0.18
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	9	0.18
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	2	0.18
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	10	0.18
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	13	0.18
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	6	0.18
(1,577)	1:B:64:VAL:H	1:B:65:THR:H	6	0.18
(1,518)	1:B:51:LEU:H	1:B:55:VAL:H	18	0.18
(1,50)	1:A:23:PHE:H	1:B:21:ILE:H	13	0.18
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	15	0.18
(1,441)	1:B:23:PHE:H	1:B:24:GLU:H	13	0.18
(1,441)	1:B:23:PHE:H	1:B:24:GLU:H	17	0.18
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	19	0.18
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	3	0.18
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	12	0.18
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	6	0.18
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	15	0.18
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	13	0.18
(1,370)	1:A:128:LEU:HD21	1:A:129:ALA:H	5	0.18
(1,370)	1:A:128:LEU:HD22	1:A:129:ALA:H	5	0.18
(1,370)	1:A:128:LEU:HD23	1:A:129:ALA:H	5	0.18
(1,357)	1:A:121:GLY:H	1:A:123:PHE:H	20	0.18
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	16	0.18
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	10	0.18
(1,319)	1:A:101:TYR:H	1:A:102:CYS:H	10	0.18
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	13	0.18
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	10	0.18
(1,303)	1:A:97:CYS:H	1:A:98:LEU:H	19	0.18
(1,284)	1:A:92:THR:H	1:A:93:GLN:H	15	0.18
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	17	0.18
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	17	0.18
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	17	0.18
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	17	0.18
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	17	0.18
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	17	0.18
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	17	0.18
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	17	0.18
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	19	0.18
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	5	0.18
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	5	0.18
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	5	0.18
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	5	0.18
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	5	0.18
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	5	0.18
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	5	0.18
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	5	0.18
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	5	0.18
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG21	2	0.18
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG22	2	0.18
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG23	2	0.18
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG21	2	0.18
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG22	2	0.18
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG23	2	0.18
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG21	2	0.18
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG22	2	0.18
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG23	2	0.18
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	5	0.18
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	5	0.18
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	5	0.18
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	5	0.18
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	5	0.18
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	5	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD11	8	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD12	8	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD13	8	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD21	8	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD22	8	0.18
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD23	8	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD11	8	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD12	8	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD13	8	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD21	8	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD22	8	0.18
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD23	8	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD11	8	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD12	8	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD13	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD21	8	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD22	8	0.18
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD23	8	0.18
(1,1676)	1:B:94:MET:HE1	2:H:277:LEU:HD21	11	0.18
(1,1676)	1:B:94:MET:HE1	2:H:277:LEU:HD22	11	0.18
(1,1676)	1:B:94:MET:HE1	2:H:277:LEU:HD23	11	0.18
(1,1676)	1:B:94:MET:HE2	2:H:277:LEU:HD21	11	0.18
(1,1676)	1:B:94:MET:HE2	2:H:277:LEU:HD22	11	0.18
(1,1676)	1:B:94:MET:HE2	2:H:277:LEU:HD23	11	0.18
(1,1676)	1:B:94:MET:HE3	2:H:277:LEU:HD21	11	0.18
(1,1676)	1:B:94:MET:HE3	2:H:277:LEU:HD22	11	0.18
(1,1676)	1:B:94:MET:HE3	2:H:277:LEU:HD23	11	0.18
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	2	0.18
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	2	0.18
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	2	0.18
(1,1674)	1:B:32:PHE:HE1	2:H:301:ILE:HD11	19	0.18
(1,1674)	1:B:32:PHE:HE1	2:H:301:ILE:HD12	19	0.18
(1,1674)	1:B:32:PHE:HE1	2:H:301:ILE:HD13	19	0.18
(1,1674)	1:B:32:PHE:HE2	2:H:301:ILE:HD11	19	0.18
(1,1674)	1:B:32:PHE:HE2	2:H:301:ILE:HD12	19	0.18
(1,1674)	1:B:32:PHE:HE2	2:H:301:ILE:HD13	19	0.18
(1,1659)	1:B:60:LEU:HD21	2:H:281:PHE:HZ	13	0.18
(1,1659)	1:B:60:LEU:HD22	2:H:281:PHE:HZ	13	0.18
(1,1659)	1:B:60:LEU:HD23	2:H:281:PHE:HZ	13	0.18
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE1	3	0.18
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE2	3	0.18
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE3	3	0.18
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE1	3	0.18
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE2	3	0.18
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE3	3	0.18
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD11	5	0.18
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD12	5	0.18
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD13	5	0.18
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD11	17	0.18
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD12	17	0.18
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD13	17	0.18
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD11	17	0.18
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD12	17	0.18
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD13	17	0.18
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD11	17	0.18
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD12	17	0.18
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD13	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	12	0.18
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	12	0.18
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	12	0.18
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	12	0.18
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	12	0.18
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	12	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD11	4	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD12	4	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD13	4	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD21	4	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD22	4	0.18
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD23	4	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD11	4	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD12	4	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD13	4	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD21	4	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD22	4	0.18
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD23	4	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD11	4	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD12	4	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD13	4	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD21	4	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD22	4	0.18
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD23	4	0.18
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	14	0.18
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	14	0.18
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	14	0.18
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	14	0.18
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	2	0.18
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	2	0.18
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	2	0.18
(1,1603)	1:D:44:LEU:HD21	2:G:286:MET:HE1	3	0.18
(1,1603)	1:D:44:LEU:HD21	2:G:286:MET:HE2	3	0.18
(1,1603)	1:D:44:LEU:HD21	2:G:286:MET:HE3	3	0.18
(1,1603)	1:D:44:LEU:HD22	2:G:286:MET:HE1	3	0.18
(1,1603)	1:D:44:LEU:HD22	2:G:286:MET:HE2	3	0.18
(1,1603)	1:D:44:LEU:HD22	2:G:286:MET:HE3	3	0.18
(1,1603)	1:D:44:LEU:HD23	2:G:286:MET:HE1	3	0.18
(1,1603)	1:D:44:LEU:HD23	2:G:286:MET:HE2	3	0.18
(1,1603)	1:D:44:LEU:HD23	2:G:286:MET:HE3	3	0.18
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG21	2	0.18
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG22	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:B:131:VAL:HG21	2:F:309:THR:HG23	2	0.18
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG21	2	0.18
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG22	2	0.18
(1,1599)	1:B:131:VAL:HG22	2:F:309:THR:HG23	2	0.18
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG21	2	0.18
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG22	2	0.18
(1,1599)	1:B:131:VAL:HG23	2:F:309:THR:HG23	2	0.18
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG21	5	0.18
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG22	5	0.18
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG23	5	0.18
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG21	5	0.18
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG22	5	0.18
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG23	5	0.18
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG21	5	0.18
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG22	5	0.18
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG23	5	0.18
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG21	19	0.18
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG22	19	0.18
(1,1598)	1:D:16:ILE:HD11	2:F:306:VAL:HG23	19	0.18
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG21	19	0.18
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG22	19	0.18
(1,1598)	1:D:16:ILE:HD12	2:F:306:VAL:HG23	19	0.18
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG21	19	0.18
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG22	19	0.18
(1,1598)	1:D:16:ILE:HD13	2:F:306:VAL:HG23	19	0.18
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	14	0.18
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	14	0.18
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	14	0.18
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	14	0.18
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	14	0.18
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	14	0.18
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	14	0.18
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	14	0.18
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	14	0.18
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD11	6	0.18
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD12	6	0.18
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD13	6	0.18
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD11	6	0.18
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD12	6	0.18
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD13	6	0.18
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD11	6	0.18
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD12	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD13	6	0.18
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	8	0.18
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	8	0.18
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	8	0.18
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	8	0.18
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	8	0.18
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	8	0.18
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD11	16	0.18
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD12	16	0.18
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD13	16	0.18
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	14	0.18
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	14	0.18
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	14	0.18
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	14	0.18
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	14	0.18
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	14	0.18
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	14	0.18
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	14	0.18
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	14	0.18
(1,1535)	1:A:42:LEU:HD11	2:E:291:LEU:HD11	7	0.18
(1,1535)	1:A:42:LEU:HD11	2:E:291:LEU:HD12	7	0.18
(1,1535)	1:A:42:LEU:HD11	2:E:291:LEU:HD13	7	0.18
(1,1535)	1:A:42:LEU:HD12	2:E:291:LEU:HD11	7	0.18
(1,1535)	1:A:42:LEU:HD12	2:E:291:LEU:HD12	7	0.18
(1,1535)	1:A:42:LEU:HD12	2:E:291:LEU:HD13	7	0.18
(1,1535)	1:A:42:LEU:HD13	2:E:291:LEU:HD11	7	0.18
(1,1535)	1:A:42:LEU:HD13	2:E:291:LEU:HD12	7	0.18
(1,1535)	1:A:42:LEU:HD13	2:E:291:LEU:HD13	7	0.18
(1,1507)	1:A:129:ALA:HB1	2:E:290:TRP:HZ3	11	0.18
(1,1507)	1:A:129:ALA:HB2	2:E:290:TRP:HZ3	11	0.18
(1,1507)	1:A:129:ALA:HB3	2:E:290:TRP:HZ3	11	0.18
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	8	0.18
(1,1482)	1:D:136:LEU:H	1:D:137:PHE:H	15	0.18
(1,1469)	1:D:133:PHE:H	1:D:135:ALA:H	14	0.18
(1,146)	1:A:50:GLN:H	1:A:57:GLU:H	19	0.18
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	17	0.18
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	19	0.18
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	9	0.18
(1,1418)	1:D:101:TYR:H	1:D:102:CYS:H	20	0.18
(1,1376)	1:D:88:GLY:H	1:D:89:ILE:H	1	0.18
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	9	0.18
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD11	7	0.18
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD12	7	0.18
(1,125)	1:A:44:LEU:HD11	1:A:60:LEU:HD13	7	0.18
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD11	7	0.18
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD12	7	0.18
(1,125)	1:A:44:LEU:HD12	1:A:60:LEU:HD13	7	0.18
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD11	7	0.18
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD12	7	0.18
(1,125)	1:A:44:LEU:HD13	1:A:60:LEU:HD13	7	0.18
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	6	0.18
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	20	0.18
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	7	0.18
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	7	0.18
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	7	0.18
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	15	0.18
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	15	0.18
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	15	0.18
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	19	0.18
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	12	0.18
(1,1176)	1:D:24:GLU:H	1:D:75:LEU:H	17	0.18
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	12	0.18
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	14	0.18
(1,1147)	1:D:14:GLN:H	1:D:15:ARG:H	9	0.18
(1,1130)	1:C:140:TYR:HD1	1:C:141:LEU:H	14	0.18
(1,1130)	1:C:140:TYR:HD2	1:C:141:LEU:H	14	0.18
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	11	0.18
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	7	0.18
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	10	0.18
(1,1047)	1:C:99:GLY:H	1:C:100:ALA:H	20	0.18
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	1	0.18
(1,1028)	1:C:93:GLN:H	1:C:96:HIS:H	17	0.18
(1,1011)	1:C:85:SER:H	1:C:86:ILE:H	2	0.18
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	6	0.18
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	6	0.18
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	6	0.18
(1,1007)	1:C:82:GLY:H	1:C:83:ILE:H	10	0.18
(2,3)	1:D:40:VAL:O	2:G:290:TRP:NE1	20	0.17
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	5	0.17
(1,961)	1:C:66:ALA:H	1:C:73:ALA:H	10	0.17
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	14	0.17
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	11	0.17
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	1	0.17
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	9	0.17
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	17	0.17
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	20	0.17
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	20	0.17
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	9	0.17
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE1	1	0.17
(1,83)	1:A:31:VAL:HG21	1:A:123:PHE:HE2	1	0.17
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE1	1	0.17
(1,83)	1:A:31:VAL:HG22	1:A:123:PHE:HE2	1	0.17
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE1	1	0.17
(1,83)	1:A:31:VAL:HG23	1:A:123:PHE:HE2	1	0.17
(1,821)	1:C:30:HIS:H	1:C:32:PHE:H	4	0.17
(1,821)	1:C:30:HIS:H	1:C:32:PHE:H	10	0.17
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	20	0.17
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	13	0.17
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	1	0.17
(1,777)	1:C:17:TYR:HE1	1:C:82:GLY:H	5	0.17
(1,777)	1:C:17:TYR:HE2	1:C:82:GLY:H	5	0.17
(1,750)	1:B:139:ASN:H	1:B:141:LEU:H	6	0.17
(1,750)	1:B:139:ASN:H	1:B:141:LEU:H	17	0.17
(1,748)	1:B:138:MET:H	1:B:141:LEU:H	5	0.17
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	12	0.17
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	7	0.17
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	13	0.17
(1,682)	1:B:110:ALA:H	1:B:112:GLU:H	3	0.17
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	11	0.17
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	2	0.17
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	20	0.17
(1,660)	1:B:97:CYS:H	1:B:101:TYR:H	20	0.17
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	3	0.17
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	16	0.17
(1,640)	1:B:92:THR:H	1:B:94:MET:H	3	0.17
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	3	0.17
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	15	0.17
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	8	0.17
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	18	0.17
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD11	3	0.17
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD12	3	0.17
(1,500)	1:B:44:LEU:HD11	1:B:60:LEU:HD13	3	0.17
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD11	3	0.17
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD12	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:B:44:LEU:HD12	1:B:60:LEU:HD13	3	0.17
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD11	3	0.17
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD12	3	0.17
(1,500)	1:B:44:LEU:HD13	1:B:60:LEU:HD13	3	0.17
(1,50)	1:A:23:PHE:H	1:B:21:ILE:H	5	0.17
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	5	0.17
(1,475)	1:B:36:TRP:HE3	1:B:37:GLN:H	13	0.17
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD21	10	0.17
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD22	10	0.17
(1,474)	1:B:36:TRP:H	1:B:68:LEU:HD23	10	0.17
(1,470)	1:B:35:ASP:H	1:B:36:TRP:HE3	15	0.17
(1,435)	1:B:20:ASP:H	1:B:79:GLN:H	18	0.17
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	20	0.17
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	18	0.17
(1,411)	1:B:11:PHE:HE1	1:B:12:GLN:H	6	0.17
(1,411)	1:B:11:PHE:HE2	1:B:12:GLN:H	6	0.17
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	16	0.17
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	16	0.17
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	17	0.17
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	3	0.17
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	15	0.17
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	6	0.17
(1,368)	1:A:128:LEU:HD11	1:A:129:ALA:H	15	0.17
(1,368)	1:A:128:LEU:HD12	1:A:129:ALA:H	15	0.17
(1,368)	1:A:128:LEU:HD13	1:A:129:ALA:H	15	0.17
(1,360)	1:A:122:THR:H	1:B:18:THR:H	13	0.17
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	2	0.17
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	8	0.17
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	14	0.17
(1,319)	1:A:101:TYR:H	1:A:102:CYS:H	9	0.17
(1,316)	1:A:100:ALA:H	1:A:102:CYS:H	11	0.17
(1,290)	1:A:94:MET:H	1:A:95:ALA:H	2	0.17
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	19	0.17
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	11	0.17
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	11	0.17
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	11	0.17
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	12	0.17
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	11	0.17
(1,208)	1:A:64:VAL:H	1:A:76:CYS:H	2	0.17
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD21	19	0.17
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD22	19	0.17
(1,184)	1:A:58:VAL:HG21	1:A:98:LEU:HD23	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD21	19	0.17
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD22	19	0.17
(1,184)	1:A:58:VAL:HG22	1:A:98:LEU:HD23	19	0.17
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD21	19	0.17
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD22	19	0.17
(1,184)	1:A:58:VAL:HG23	1:A:98:LEU:HD23	19	0.17
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	7	0.17
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	7	0.17
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	7	0.17
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	7	0.17
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	7	0.17
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	7	0.17
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	7	0.17
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	7	0.17
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	7	0.17
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	17	0.17
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	17	0.17
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	17	0.17
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	17	0.17
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	17	0.17
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	17	0.17
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	17	0.17
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	17	0.17
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	17	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD11	15	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD12	15	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD13	15	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD21	15	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD22	15	0.17
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD23	15	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD11	15	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD12	15	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD13	15	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD21	15	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD22	15	0.17
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD23	15	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD11	15	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD12	15	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD13	15	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD21	15	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD22	15	0.17
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD23	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD11	15	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD12	15	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD13	15	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD21	15	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD22	15	0.17
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD23	15	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD11	15	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD12	15	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD13	15	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD21	15	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD22	15	0.17
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD23	15	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD11	15	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD12	15	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD13	15	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD21	15	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD22	15	0.17
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD23	15	0.17
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD11	1	0.17
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD12	1	0.17
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD13	1	0.17
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD21	1	0.17
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD22	1	0.17
(1,1681)	1:B:87:ALA:HB1	2:H:277:LEU:HD23	1	0.17
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD11	1	0.17
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD12	1	0.17
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD13	1	0.17
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD21	1	0.17
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD22	1	0.17
(1,1681)	1:B:87:ALA:HB2	2:H:277:LEU:HD23	1	0.17
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD11	1	0.17
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD12	1	0.17
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD13	1	0.17
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD21	1	0.17
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD22	1	0.17
(1,1681)	1:B:87:ALA:HB3	2:H:277:LEU:HD23	1	0.17
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	13	0.17
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	13	0.17
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	13	0.17
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	13	0.17
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	13	0.17
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	13	0.17
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	13	0.17
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	13	0.17
(1,1651)	1:A:129:ALA:HB1	2:G:309:THR:HG21	11	0.17
(1,1651)	1:A:129:ALA:HB1	2:G:309:THR:HG22	11	0.17
(1,1651)	1:A:129:ALA:HB1	2:G:309:THR:HG23	11	0.17
(1,1651)	1:A:129:ALA:HB2	2:G:309:THR:HG21	11	0.17
(1,1651)	1:A:129:ALA:HB2	2:G:309:THR:HG22	11	0.17
(1,1651)	1:A:129:ALA:HB2	2:G:309:THR:HG23	11	0.17
(1,1651)	1:A:129:ALA:HB3	2:G:309:THR:HG21	11	0.17
(1,1651)	1:A:129:ALA:HB3	2:G:309:THR:HG22	11	0.17
(1,1651)	1:A:129:ALA:HB3	2:G:309:THR:HG23	11	0.17
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	1	0.17
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	1	0.17
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	1	0.17
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	1	0.17
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	1	0.17
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	1	0.17
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD11	13	0.17
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD12	13	0.17
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD13	13	0.17
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD11	13	0.17
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD12	13	0.17
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD13	13	0.17
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD11	13	0.17
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD12	13	0.17
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD13	13	0.17
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	1	0.17
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	1	0.17
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	1	0.17
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	1	0.17
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	1	0.17
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	1	0.17
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	1	0.17
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	1	0.17
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	1	0.17
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	20	0.17
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	20	0.17
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	20	0.17
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	20	0.17
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	20	0.17
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	20	0.17
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	20	0.17
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	20	0.17
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	11	0.17
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	11	0.17
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	11	0.17
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	11	0.17
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD1	18	0.17
(1,1618)	1:D:68:LEU:HD21	2:G:297:TYR:HD2	18	0.17
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD1	18	0.17
(1,1618)	1:D:68:LEU:HD22	2:G:297:TYR:HD2	18	0.17
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD1	18	0.17
(1,1618)	1:D:68:LEU:HD23	2:G:297:TYR:HD2	18	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG21	17	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG22	17	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG23	17	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG21	17	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG22	17	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG23	17	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG21	17	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG22	17	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG23	17	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG21	20	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG22	20	0.17
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG23	20	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG21	20	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG22	20	0.17
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG23	20	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG21	20	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG22	20	0.17
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG23	20	0.17
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	17	0.17
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	17	0.17
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	17	0.17
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	17	0.17
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	17	0.17
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	17	0.17
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD11	15	0.17
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD12	15	0.17
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD13	15	0.17
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD21	15	0.17
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD22	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD23	15	0.17
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD11	15	0.17
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD12	15	0.17
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD13	15	0.17
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD21	15	0.17
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD22	15	0.17
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD23	15	0.17
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD11	15	0.17
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD12	15	0.17
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD13	15	0.17
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD21	15	0.17
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD22	15	0.17
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD23	15	0.17
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD11	7	0.17
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD12	7	0.17
(1,1573)	1:C:31:VAL:HG11	2:F:301:ILE:HD13	7	0.17
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD11	7	0.17
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD12	7	0.17
(1,1573)	1:C:31:VAL:HG12	2:F:301:ILE:HD13	7	0.17
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD11	7	0.17
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD12	7	0.17
(1,1573)	1:C:31:VAL:HG13	2:F:301:ILE:HD13	7	0.17
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD11	4	0.17
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD12	4	0.17
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD13	4	0.17
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD11	4	0.17
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD12	4	0.17
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD13	4	0.17
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD11	11	0.17
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD12	11	0.17
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD13	11	0.17
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD11	11	0.17
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD12	11	0.17
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD13	11	0.17
(1,1541)	1:A:128:LEU:HD11	2:E:290:TRP:HE3	18	0.17
(1,1541)	1:A:128:LEU:HD12	2:E:290:TRP:HE3	18	0.17
(1,1541)	1:A:128:LEU:HD13	2:E:290:TRP:HE3	18	0.17
(1,1541)	1:A:128:LEU:HD21	2:E:290:TRP:HE3	18	0.17
(1,1541)	1:A:128:LEU:HD22	2:E:290:TRP:HE3	18	0.17
(1,1541)	1:A:128:LEU:HD23	2:E:290:TRP:HE3	18	0.17
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	2	0.17
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	2	0.17
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	2	0.17
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	2	0.17
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	2	0.17
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	3	0.17
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	3	0.17
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	3	0.17
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	3	0.17
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	3	0.17
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	3	0.17
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	3	0.17
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	3	0.17
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	3	0.17
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	3	0.17
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	3	0.17
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	3	0.17
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	3	0.17
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	3	0.17
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	3	0.17
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	3	0.17
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	3	0.17
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	3	0.17
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	3	0.17
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	3	0.17
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	3	0.17
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	3	0.17
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	3	0.17
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	3	0.17
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	3	0.17
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	3	0.17
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	3	0.17
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	3	0.17
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	3	0.17
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	3	0.17
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	3	0.17
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	3	0.17
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	3	0.17
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	3	0.17
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	3	0.17
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	3	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	15	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	15	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	15	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	15	0.17
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	15	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	15	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	15	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	15	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	15	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	15	0.17
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	15	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	15	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	15	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	15	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	15	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	15	0.17
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	15	0.17
(1,1511)	1:A:118:VAL:HG11	2:E:296:THR:HG21	9	0.17
(1,1511)	1:A:118:VAL:HG11	2:E:296:THR:HG22	9	0.17
(1,1511)	1:A:118:VAL:HG11	2:E:296:THR:HG23	9	0.17
(1,1511)	1:A:118:VAL:HG12	2:E:296:THR:HG21	9	0.17
(1,1511)	1:A:118:VAL:HG12	2:E:296:THR:HG22	9	0.17
(1,1511)	1:A:118:VAL:HG12	2:E:296:THR:HG23	9	0.17
(1,1511)	1:A:118:VAL:HG13	2:E:296:THR:HG21	9	0.17
(1,1511)	1:A:118:VAL:HG13	2:E:296:THR:HG22	9	0.17
(1,1511)	1:A:118:VAL:HG13	2:E:296:THR:HG23	9	0.17
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	20	0.17
(1,1474)	1:D:134:ASP:H	1:D:137:PHE:H	3	0.17
(1,1442)	1:D:116:SER:H	1:D:118:VAL:H	12	0.17
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	1	0.17
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	1	0.17
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	15	0.17
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	16	0.17
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	18	0.17
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	8	0.17
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	13	0.17
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	15	0.17
(1,1382)	1:D:91:GLY:H	1:D:95:ALA:H	12	0.17
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG11	19	0.17
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG12	19	0.17
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG13	19	0.17
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB1	3	0.17
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:D:68:LEU:HD11	1:D:73:ALA:HB3	3	0.17
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB1	3	0.17
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB2	3	0.17
(1,1331)	1:D:68:LEU:HD12	1:D:73:ALA:HB3	3	0.17
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB1	3	0.17
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB2	3	0.17
(1,1331)	1:D:68:LEU:HD13	1:D:73:ALA:HB3	3	0.17
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	2	0.17
(1,1200)	1:D:32:PHE:H	1:D:34:LYS:H	20	0.17
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	10	0.17
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	18	0.17
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	2	0.17
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	6	0.17
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	13	0.17
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	7	0.17
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	7	0.17
(1,1136)	1:D:10:THR:H	1:D:87:ALA:H	20	0.17
(1,1122)	1:C:136:LEU:H	1:C:139:ASN:H	9	0.17
(1,1122)	1:C:136:LEU:H	1:C:139:ASN:H	18	0.17
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	15	0.17
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	15	0.17
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	15	0.17
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	12	0.17
(1,1047)	1:C:99:GLY:H	1:C:100:ALA:H	4	0.17
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	5	0.17
(1,1019)	1:C:90:GLU:H	1:C:94:MET:H	10	0.17
(1,1014)	1:C:87:ALA:H	1:C:89:ILE:H	8	0.17
(1,101)	1:A:40:VAL:HG11	1:A:41:LYS:H	18	0.17
(1,101)	1:A:40:VAL:HG12	1:A:41:LYS:H	18	0.17
(1,101)	1:A:40:VAL:HG13	1:A:41:LYS:H	18	0.17
(1,960)	1:C:66:ALA:H	1:C:67:SER:H	7	0.16
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	4	0.16
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	13	0.16
(1,909)	1:C:55:VAL:H	1:C:86:ILE:H	15	0.16
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	10	0.16
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	11	0.16
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	1	0.16
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	4	0.16
(1,876)	1:C:45:ASP:H	1:C:63:THR:H	20	0.16
(1,865)	1:C:43:ASP:H	1:C:44:LEU:H	16	0.16
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	8	0.16
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	2	0.16
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	19	0.16
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	8	0.16
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG11	2	0.16
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG12	2	0.16
(1,790)	1:C:20:ASP:H	1:C:59:VAL:HG13	2	0.16
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	19	0.16
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG11	3	0.16
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG12	3	0.16
(1,786)	1:C:19:LYS:H	1:C:59:VAL:HG13	3	0.16
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	7	0.16
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	8	0.16
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	18	0.16
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	4	0.16
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	4	0.16
(1,748)	1:B:138:MET:H	1:B:141:LEU:H	6	0.16
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	12	0.16
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	19	0.16
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	16	0.16
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	16	0.16
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	17	0.16
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	18	0.16
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	19	0.16
(1,656)	1:B:96:HIS:H	1:B:99:GLY:H	6	0.16
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	5	0.16
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	6	0.16
(1,62)	1:A:28:ALA:H	1:A:30:HIS:H	15	0.16
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	6	0.16
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	4	0.16
(1,547)	1:B:57:GLU:H	1:B:84:PHE:H	15	0.16
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	10	0.16
(1,505)	1:B:45:ASP:H	1:B:62:VAL:H	6	0.16
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	8	0.16
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	8	0.16
(1,446)	1:B:24:GLU:H	1:B:75:LEU:H	14	0.16
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	4	0.16
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	14	0.16
(1,413)	1:B:12:GLN:H	1:B:13:ILE:H	3	0.16
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	12	0.16
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD21	12	0.16
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD22	12	0.16
(1,365)	1:A:126:LEU:HD11	1:A:128:LEU:HD23	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD21	12	0.16
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD22	12	0.16
(1,365)	1:A:126:LEU:HD12	1:A:128:LEU:HD23	12	0.16
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD21	12	0.16
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD22	12	0.16
(1,365)	1:A:126:LEU:HD13	1:A:128:LEU:HD23	12	0.16
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	19	0.16
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	3	0.16
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	4	0.16
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	6	0.16
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	13	0.16
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	16	0.16
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	15	0.16
(1,302)	1:A:96:HIS:H	1:A:99:GLY:H	20	0.16
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD11	15	0.16
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD12	15	0.16
(1,294)	1:A:94:MET:HE1	1:A:98:LEU:HD13	15	0.16
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD11	15	0.16
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD12	15	0.16
(1,294)	1:A:94:MET:HE2	1:A:98:LEU:HD13	15	0.16
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD11	15	0.16
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD12	15	0.16
(1,294)	1:A:94:MET:HE3	1:A:98:LEU:HD13	15	0.16
(1,284)	1:A:92:THR:H	1:A:93:GLN:H	10	0.16
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	2	0.16
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	20	0.16
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	10	0.16
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	10	0.16
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	10	0.16
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB1	20	0.16
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB2	20	0.16
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB3	20	0.16
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB1	20	0.16
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB2	20	0.16
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB3	20	0.16
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB1	20	0.16
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB2	20	0.16
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB3	20	0.16
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	8	0.16
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	20	0.16
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	13	0.16
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	13	0.16
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	13	0.16
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	13	0.16
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	13	0.16
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	13	0.16
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	13	0.16
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	13	0.16
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG21	19	0.16
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG22	19	0.16
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG23	19	0.16
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG21	19	0.16
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG22	19	0.16
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG23	19	0.16
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG21	19	0.16
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG22	19	0.16
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG23	19	0.16
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	16	0.16
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	16	0.16
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	16	0.16
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	16	0.16
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	16	0.16
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	16	0.16
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	16	0.16
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	16	0.16
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	16	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD11	9	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD12	9	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD13	9	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD21	9	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD22	9	0.16
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD23	9	0.16
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD11	9	0.16
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD12	9	0.16
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD13	9	0.16
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD21	9	0.16
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD22	9	0.16
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD23	9	0.16
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD11	9	0.16
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD12	9	0.16
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD13	9	0.16
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD21	9	0.16
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD22	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD23	9	0.16
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	3	0.16
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	3	0.16
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	3	0.16
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	11	0.16
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	11	0.16
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	11	0.16
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	18	0.16
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	18	0.16
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	18	0.16
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	18	0.16
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	18	0.16
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	18	0.16
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE1	19	0.16
(1,167)	1:A:55:VAL:H	1:A:56:TYR:HE2	19	0.16
(1,1668)	1:B:40:VAL:HG11	2:H:290:TRP:HE1	14	0.16
(1,1668)	1:B:40:VAL:HG12	2:H:290:TRP:HE1	14	0.16
(1,1668)	1:B:40:VAL:HG13	2:H:290:TRP:HE1	14	0.16
(1,1663)	1:B:106:LEU:HD11	2:H:281:PHE:HZ	12	0.16
(1,1663)	1:B:106:LEU:HD12	2:H:281:PHE:HZ	12	0.16
(1,1663)	1:B:106:LEU:HD13	2:H:281:PHE:HZ	12	0.16
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG21	12	0.16
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG22	12	0.16
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG23	12	0.16
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG21	12	0.16
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG22	12	0.16
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG23	12	0.16
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD11	11	0.16
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD12	11	0.16
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD13	11	0.16
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	17	0.16
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	17	0.16
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	17	0.16
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	17	0.16
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	17	0.16
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	17	0.16
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	4	0.16
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	4	0.16
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	4	0.16
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	4	0.16
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	4	0.16
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	4	0.16
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	4	0.16
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	4	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD11	11	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD12	11	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD13	11	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD21	11	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD22	11	0.16
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD23	11	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD11	11	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD12	11	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD13	11	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD21	11	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD22	11	0.16
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD23	11	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD11	11	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD12	11	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD13	11	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD21	11	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD22	11	0.16
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD23	11	0.16
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	12	0.16
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	12	0.16
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	12	0.16
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	12	0.16
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	12	0.16
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	12	0.16
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG11	5	0.16
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG12	5	0.16
(1,1552)	1:C:42:LEU:HD21	2:F:288:VAL:HG13	5	0.16
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG11	5	0.16
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG12	5	0.16
(1,1552)	1:C:42:LEU:HD22	2:F:288:VAL:HG13	5	0.16
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG11	5	0.16
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG12	5	0.16
(1,1552)	1:C:42:LEU:HD23	2:F:288:VAL:HG13	5	0.16
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	16	0.16
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	16	0.16
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	16	0.16
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	16	0.16
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	16	0.16
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	16	0.16
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	16	0.16
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	16	0.16
(1,1540)	1:A:40:VAL:HG11	2:E:296:THR:HG21	18	0.16
(1,1540)	1:A:40:VAL:HG11	2:E:296:THR:HG22	18	0.16
(1,1540)	1:A:40:VAL:HG11	2:E:296:THR:HG23	18	0.16
(1,1540)	1:A:40:VAL:HG12	2:E:296:THR:HG21	18	0.16
(1,1540)	1:A:40:VAL:HG12	2:E:296:THR:HG22	18	0.16
(1,1540)	1:A:40:VAL:HG12	2:E:296:THR:HG23	18	0.16
(1,1540)	1:A:40:VAL:HG13	2:E:296:THR:HG21	18	0.16
(1,1540)	1:A:40:VAL:HG13	2:E:296:THR:HG22	18	0.16
(1,1540)	1:A:40:VAL:HG13	2:E:296:THR:HG23	18	0.16
(1,1540)	1:A:40:VAL:HG21	2:E:296:THR:HG21	18	0.16
(1,1540)	1:A:40:VAL:HG21	2:E:296:THR:HG22	18	0.16
(1,1540)	1:A:40:VAL:HG21	2:E:296:THR:HG23	18	0.16
(1,1540)	1:A:40:VAL:HG22	2:E:296:THR:HG21	18	0.16
(1,1540)	1:A:40:VAL:HG22	2:E:296:THR:HG22	18	0.16
(1,1540)	1:A:40:VAL:HG22	2:E:296:THR:HG23	18	0.16
(1,1540)	1:A:40:VAL:HG23	2:E:296:THR:HG21	18	0.16
(1,1540)	1:A:40:VAL:HG23	2:E:296:THR:HG22	18	0.16
(1,1540)	1:A:40:VAL:HG23	2:E:296:THR:HG23	18	0.16
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE1	7	0.16
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE2	7	0.16
(1,1537)	1:A:133:PHE:HE1	2:E:286:MET:HE3	7	0.16
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE1	7	0.16
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE2	7	0.16
(1,1537)	1:A:133:PHE:HE2	2:E:286:MET:HE3	7	0.16
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	1	0.16
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	1	0.16
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	1	0.16
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	1	0.16
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	1	0.16
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	1	0.16
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	1	0.16
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	1	0.16
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	1	0.16
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	9	0.16
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	9	0.16
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	9	0.16
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	9	0.16
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	9	0.16
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	9	0.16
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	9	0.16
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	9	0.16
(1,1526)	1:A:56:TYR:HE1	2:E:277:LEU:HD11	13	0.16
(1,1526)	1:A:56:TYR:HE1	2:E:277:LEU:HD12	13	0.16
(1,1526)	1:A:56:TYR:HE1	2:E:277:LEU:HD13	13	0.16
(1,1526)	1:A:56:TYR:HE1	2:E:277:LEU:HD21	13	0.16
(1,1526)	1:A:56:TYR:HE1	2:E:277:LEU:HD22	13	0.16
(1,1526)	1:A:56:TYR:HE1	2:E:277:LEU:HD23	13	0.16
(1,1526)	1:A:56:TYR:HE2	2:E:277:LEU:HD11	13	0.16
(1,1526)	1:A:56:TYR:HE2	2:E:277:LEU:HD12	13	0.16
(1,1526)	1:A:56:TYR:HE2	2:E:277:LEU:HD13	13	0.16
(1,1526)	1:A:56:TYR:HE2	2:E:277:LEU:HD21	13	0.16
(1,1526)	1:A:56:TYR:HE2	2:E:277:LEU:HD22	13	0.16
(1,1526)	1:A:56:TYR:HE2	2:E:277:LEU:HD23	13	0.16
(1,1509)	1:A:40:VAL:HG11	2:E:290:TRP:HE1	6	0.16
(1,1509)	1:A:40:VAL:HG12	2:E:290:TRP:HE1	6	0.16
(1,1509)	1:A:40:VAL:HG13	2:E:290:TRP:HE1	6	0.16
(1,1507)	1:A:129:ALA:HB1	2:E:290:TRP:HZ3	16	0.16
(1,1507)	1:A:129:ALA:HB2	2:E:290:TRP:HZ3	16	0.16
(1,1507)	1:A:129:ALA:HB3	2:E:290:TRP:HZ3	16	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD11	1	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD12	1	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD13	1	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD21	1	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD22	1	0.16
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD23	1	0.16
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD11	1	0.16
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD12	1	0.16
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD13	1	0.16
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD21	1	0.16
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD22	1	0.16
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD23	1	0.16
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD11	1	0.16
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD12	1	0.16
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD13	1	0.16
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD21	1	0.16
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD22	1	0.16
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD23	1	0.16
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	6	0.16
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	6	0.16
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	6	0.16
(1,1477)	1:D:135:ALA:H	1:D:138:MET:H	14	0.16
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	6	0.16
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG21	19	0.16
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG22	19	0.16
(1,144)	1:A:49:SER:H	1:A:58:VAL:HG23	19	0.16
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	13	0.16
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	16	0.16
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	1	0.16
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	10	0.16
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	14	0.16
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB1	14	0.16
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB2	14	0.16
(1,1393)	1:D:94:MET:HE1	1:D:95:ALA:HB3	14	0.16
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB1	14	0.16
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB2	14	0.16
(1,1393)	1:D:94:MET:HE2	1:D:95:ALA:HB3	14	0.16
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB1	14	0.16
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB2	14	0.16
(1,1393)	1:D:94:MET:HE3	1:D:95:ALA:HB3	14	0.16
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	13	0.16
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	4	0.16
(1,1338)	1:D:73:ALA:H	1:D:74:PHE:H	2	0.16
(1,1330)	1:D:68:LEU:HD11	1:D:73:ALA:H	7	0.16
(1,1330)	1:D:68:LEU:HD12	1:D:73:ALA:H	7	0.16
(1,1330)	1:D:68:LEU:HD13	1:D:73:ALA:H	7	0.16
(1,1329)	1:D:68:LEU:HD11	1:D:71:GLU:H	6	0.16
(1,1329)	1:D:68:LEU:HD12	1:D:71:GLU:H	6	0.16
(1,1329)	1:D:68:LEU:HD13	1:D:71:GLU:H	6	0.16
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	11	0.16
(1,131)	1:A:45:ASP:H	1:A:62:VAL:H	9	0.16
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	9	0.16
(1,1200)	1:D:32:PHE:H	1:D:34:LYS:H	5	0.16
(1,1186)	1:D:30:HIS:H	1:D:32:PHE:H	8	0.16
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	1	0.16
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	4	0.16
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG21	12	0.16
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG22	12	0.16
(1,1181)	1:D:27:ASN:H	1:D:31:VAL:HG23	12	0.16
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	11	0.16
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	5	0.16
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	14	0.16
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	19	0.16
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	5	0.16
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	5	0.16
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	5	0.16
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	12	0.16
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	12	0.16
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	12	0.16
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	15	0.16
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	15	0.16
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	15	0.16
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG11	2	0.16
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG12	2	0.16
(1,110)	1:A:41:LYS:H	1:A:64:VAL:HG13	2	0.16
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	6	0.16
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	9	0.16
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	1	0.16
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	4	0.16
(1,1050)	1:C:99:GLY:H	1:C:102:CYS:H	9	0.16
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	15	0.16
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	16	0.16
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD11	10	0.16
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD12	10	0.16
(1,103)	1:A:40:VAL:HG11	1:A:126:LEU:HD13	10	0.16
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD11	10	0.16
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD12	10	0.16
(1,103)	1:A:40:VAL:HG12	1:A:126:LEU:HD13	10	0.16
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD11	10	0.16
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD12	10	0.16
(1,103)	1:A:40:VAL:HG13	1:A:126:LEU:HD13	10	0.16
(1,1028)	1:C:93:GLN:H	1:C:96:HIS:H	20	0.16
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG11	2	0.16
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG12	2	0.16
(1,102)	1:A:40:VAL:HG11	1:A:64:VAL:HG13	2	0.16
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG11	2	0.16
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG12	2	0.16
(1,102)	1:A:40:VAL:HG12	1:A:64:VAL:HG13	2	0.16
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG11	2	0.16
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG12	2	0.16
(1,102)	1:A:40:VAL:HG13	1:A:64:VAL:HG13	2	0.16
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	12	0.16
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:A:40:VAL:O	2:E:290:TRP:NE1	4	0.15
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	5	0.15
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	5	0.15
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	5	0.15
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	14	0.15
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	14	0.15
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	14	0.15
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	15	0.15
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	15	0.15
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	15	0.15
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	14	0.15
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	4	0.15
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	4	0.15
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	4	0.15
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	4	0.15
(1,961)	1:C:66:ALA:H	1:C:73:ALA:H	8	0.15
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	13	0.15
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	14	0.15
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	9	0.15
(1,913)	1:C:56:TYR:H	1:C:85:SER:H	10	0.15
(1,913)	1:C:56:TYR:H	1:C:85:SER:H	16	0.15
(1,909)	1:C:55:VAL:H	1:C:86:ILE:H	1	0.15
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	6	0.15
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	5	0.15
(1,876)	1:C:45:ASP:H	1:C:63:THR:H	17	0.15
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	1	0.15
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	9	0.15
(1,85)	1:A:32:PHE:H	1:A:34:LYS:H	17	0.15
(1,841)	1:C:36:TRP:HE3	1:C:37:GLN:H	5	0.15
(1,840)	1:C:36:TRP:H	1:C:37:GLN:H	9	0.15
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	2	0.15
(1,792)	1:C:20:ASP:H	1:C:81:GLY:H	16	0.15
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	14	0.15
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	6	0.15
(1,782)	1:C:18:THR:H	1:C:81:GLY:H	1	0.15
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	1	0.15
(1,765)	1:C:14:GLN:H	1:C:15:ARG:H	6	0.15
(1,748)	1:B:138:MET:H	1:B:141:LEU:H	2	0.15
(1,722)	1:B:128:LEU:HD21	1:B:129:ALA:H	10	0.15
(1,722)	1:B:128:LEU:HD22	1:B:129:ALA:H	10	0.15
(1,722)	1:B:128:LEU:HD23	1:B:129:ALA:H	10	0.15
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	6	0.15
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	6	0.15
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	16	0.15
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	13	0.15
(1,698)	1:B:116:SER:H	1:B:117:MET:H	14	0.15
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	9	0.15
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	14	0.15
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	6	0.15
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	10	0.15
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	15	0.15
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD1	3	0.15
(1,674)	1:B:100:ALA:HB1	1:B:133:PHE:HD2	3	0.15
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD1	3	0.15
(1,674)	1:B:100:ALA:HB2	1:B:133:PHE:HD2	3	0.15
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD1	3	0.15
(1,674)	1:B:100:ALA:HB3	1:B:133:PHE:HD2	3	0.15
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	1	0.15
(1,671)	1:B:100:ALA:H	1:B:102:CYS:H	11	0.15
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	1	0.15
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	16	0.15
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	12	0.15
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB1	19	0.15
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB2	19	0.15
(1,598)	1:B:68:LEU:HD11	1:B:73:ALA:HB3	19	0.15
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB1	19	0.15
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB2	19	0.15
(1,598)	1:B:68:LEU:HD12	1:B:73:ALA:HB3	19	0.15
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB1	19	0.15
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB2	19	0.15
(1,598)	1:B:68:LEU:HD13	1:B:73:ALA:HB3	19	0.15
(1,553)	1:B:58:VAL:HG11	1:B:59:VAL:H	9	0.15
(1,553)	1:B:58:VAL:HG12	1:B:59:VAL:H	9	0.15
(1,553)	1:B:58:VAL:HG13	1:B:59:VAL:H	9	0.15
(1,521)	1:B:51:LEU:H	1:B:57:GLU:H	6	0.15
(1,506)	1:B:45:ASP:H	1:B:63:THR:H	5	0.15
(1,50)	1:A:23:PHE:H	1:B:21:ILE:H	16	0.15
(1,498)	1:B:44:LEU:H	1:B:63:THR:H	2	0.15
(1,496)	1:B:43:ASP:H	1:B:65:THR:H	5	0.15
(1,491)	1:B:42:LEU:HD21	1:B:43:ASP:H	14	0.15
(1,491)	1:B:42:LEU:HD22	1:B:43:ASP:H	14	0.15
(1,491)	1:B:42:LEU:HD23	1:B:43:ASP:H	14	0.15
(1,479)	1:B:39:GLU:H	1:B:68:LEU:H	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD21	19	0.15
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD22	19	0.15
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD23	19	0.15
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	2	0.15
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	2	0.15
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	2	0.15
(1,468)	1:B:34:LYS:H	1:B:35:ASP:H	11	0.15
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	11	0.15
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	11	0.15
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	11	0.15
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	11	0.15
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	11	0.15
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	11	0.15
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	11	0.15
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	11	0.15
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	11	0.15
(1,44)	1:A:21:ILE:H	1:B:25:ALA:H	13	0.15
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	19	0.15
(1,397)	1:A:138:MET:HE1	1:A:141:LEU:HD21	8	0.15
(1,397)	1:A:138:MET:HE1	1:A:141:LEU:HD22	8	0.15
(1,397)	1:A:138:MET:HE1	1:A:141:LEU:HD23	8	0.15
(1,397)	1:A:138:MET:HE2	1:A:141:LEU:HD21	8	0.15
(1,397)	1:A:138:MET:HE2	1:A:141:LEU:HD22	8	0.15
(1,397)	1:A:138:MET:HE2	1:A:141:LEU:HD23	8	0.15
(1,397)	1:A:138:MET:HE3	1:A:141:LEU:HD21	8	0.15
(1,397)	1:A:138:MET:HE3	1:A:141:LEU:HD22	8	0.15
(1,397)	1:A:138:MET:HE3	1:A:141:LEU:HD23	8	0.15
(1,396)	1:A:138:MET:H	1:A:141:LEU:H	7	0.15
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	12	0.15
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	12	0.15
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	12	0.15
(1,376)	1:A:133:PHE:H	1:A:134:ASP:H	1	0.15
(1,376)	1:A:133:PHE:H	1:A:134:ASP:H	18	0.15
(1,360)	1:A:122:THR:H	1:B:18:THR:H	7	0.15
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	20	0.15
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	1	0.15
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	12	0.15
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	14	0.15
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	20	0.15
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	4	0.15
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	12	0.15
(1,319)	1:A:101:TYR:H	1:A:102:CYS:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	2	0.15
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	5	0.15
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	3	0.15
(1,302)	1:A:96:HIS:H	1:A:99:GLY:H	8	0.15
(1,292)	1:A:94:MET:H	1:A:97:CYS:H	12	0.15
(1,285)	1:A:92:THR:H	1:A:94:MET:H	1	0.15
(1,285)	1:A:92:THR:H	1:A:94:MET:H	7	0.15
(1,277)	1:A:88:GLY:H	1:A:89:ILE:H	6	0.15
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	5	0.15
(1,24)	1:A:17:TYR:H	1:A:81:GLY:H	7	0.15
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	8	0.15
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	13	0.15
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	5	0.15
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	5	0.15
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	5	0.15
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	5	0.15
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	5	0.15
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	5	0.15
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	5	0.15
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	5	0.15
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	5	0.15
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	9	0.15
(1,205)	1:A:63:THR:H	1:A:78:VAL:H	8	0.15
(1,198)	1:A:62:VAL:H	1:A:63:THR:H	16	0.15
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	17	0.15
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD11	5	0.15
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD12	5	0.15
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD13	5	0.15
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD21	5	0.15
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD22	5	0.15
(1,1688)	1:B:98:LEU:HD11	2:H:280:LEU:HD23	5	0.15
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD11	5	0.15
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD12	5	0.15
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD13	5	0.15
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD21	5	0.15
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD22	5	0.15
(1,1688)	1:B:98:LEU:HD12	2:H:280:LEU:HD23	5	0.15
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD11	5	0.15
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD12	5	0.15
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD13	5	0.15
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD21	5	0.15
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:98:LEU:HD13	2:H:280:LEU:HD23	5	0.15
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD11	5	0.15
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD12	5	0.15
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD13	5	0.15
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD21	5	0.15
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD22	5	0.15
(1,1688)	1:B:98:LEU:HD21	2:H:280:LEU:HD23	5	0.15
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD11	5	0.15
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD12	5	0.15
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD13	5	0.15
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD21	5	0.15
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD22	5	0.15
(1,1688)	1:B:98:LEU:HD22	2:H:280:LEU:HD23	5	0.15
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD11	5	0.15
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD12	5	0.15
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD13	5	0.15
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD21	5	0.15
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD22	5	0.15
(1,1688)	1:B:98:LEU:HD23	2:H:280:LEU:HD23	5	0.15
(1,1685)	1:B:56:TYR:HE1	2:H:277:LEU:HD11	3	0.15
(1,1685)	1:B:56:TYR:HE1	2:H:277:LEU:HD12	3	0.15
(1,1685)	1:B:56:TYR:HE1	2:H:277:LEU:HD13	3	0.15
(1,1685)	1:B:56:TYR:HE1	2:H:277:LEU:HD21	3	0.15
(1,1685)	1:B:56:TYR:HE1	2:H:277:LEU:HD22	3	0.15
(1,1685)	1:B:56:TYR:HE1	2:H:277:LEU:HD23	3	0.15
(1,1685)	1:B:56:TYR:HE2	2:H:277:LEU:HD11	3	0.15
(1,1685)	1:B:56:TYR:HE2	2:H:277:LEU:HD12	3	0.15
(1,1685)	1:B:56:TYR:HE2	2:H:277:LEU:HD13	3	0.15
(1,1685)	1:B:56:TYR:HE2	2:H:277:LEU:HD21	3	0.15
(1,1685)	1:B:56:TYR:HE2	2:H:277:LEU:HD22	3	0.15
(1,1685)	1:B:56:TYR:HE2	2:H:277:LEU:HD23	3	0.15
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	6	0.15
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	6	0.15
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	6	0.15
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	6	0.15
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	6	0.15
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	6	0.15
(1,1666)	1:B:129:ALA:HB1	2:H:290:TRP:HZ3	11	0.15
(1,1666)	1:B:129:ALA:HB2	2:H:290:TRP:HZ3	11	0.15
(1,1666)	1:B:129:ALA:HB3	2:H:290:TRP:HZ3	11	0.15
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD11	20	0.15
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD12	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD13	20	0.15
(1,1659)	1:B:60:LEU:HD21	2:H:281:PHE:HZ	3	0.15
(1,1659)	1:B:60:LEU:HD22	2:H:281:PHE:HZ	3	0.15
(1,1659)	1:B:60:LEU:HD23	2:H:281:PHE:HZ	3	0.15
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE1	20	0.15
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE2	20	0.15
(1,1655)	1:B:137:PHE:HD1	2:H:286:MET:HE3	20	0.15
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE1	20	0.15
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE2	20	0.15
(1,1655)	1:B:137:PHE:HD2	2:H:286:MET:HE3	20	0.15
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	17	0.15
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	17	0.15
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	17	0.15
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	17	0.15
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	17	0.15
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	17	0.15
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	17	0.15
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	17	0.15
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	17	0.15
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD11	7	0.15
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD12	7	0.15
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD13	7	0.15
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD11	1	0.15
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD12	1	0.15
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD13	1	0.15
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD11	1	0.15
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD12	1	0.15
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD13	1	0.15
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD11	1	0.15
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD12	1	0.15
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD13	1	0.15
(1,1637)	1:D:98:LEU:HD11	2:G:281:PHE:HZ	13	0.15
(1,1637)	1:D:98:LEU:HD12	2:G:281:PHE:HZ	13	0.15
(1,1637)	1:D:98:LEU:HD13	2:G:281:PHE:HZ	13	0.15
(1,1637)	1:D:98:LEU:HD21	2:G:281:PHE:HZ	13	0.15
(1,1637)	1:D:98:LEU:HD22	2:G:281:PHE:HZ	13	0.15
(1,1637)	1:D:98:LEU:HD23	2:G:281:PHE:HZ	13	0.15
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD11	10	0.15
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD12	10	0.15
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD13	10	0.15
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD21	10	0.15
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD22	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:D:87:ALA:HB1	2:G:277:LEU:HD23	10	0.15
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD11	10	0.15
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD12	10	0.15
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD13	10	0.15
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD21	10	0.15
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD22	10	0.15
(1,1628)	1:D:87:ALA:HB2	2:G:277:LEU:HD23	10	0.15
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD11	10	0.15
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD12	10	0.15
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD13	10	0.15
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD21	10	0.15
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD22	10	0.15
(1,1628)	1:D:87:ALA:HB3	2:G:277:LEU:HD23	10	0.15
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	3	0.15
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	3	0.15
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	3	0.15
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	3	0.15
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	4	0.15
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD11	5	0.15
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD12	5	0.15
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD13	5	0.15
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD21	5	0.15
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD22	5	0.15
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD23	5	0.15
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD11	5	0.15
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD12	5	0.15
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD13	5	0.15
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD21	5	0.15
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD22	5	0.15
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD23	5	0.15
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD11	5	0.15
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD12	5	0.15
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD13	5	0.15
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD21	5	0.15
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD22	5	0.15
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD23	5	0.15
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD11	5	0.15
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD12	5	0.15
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD13	5	0.15
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD21	5	0.15
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD22	5	0.15
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD23	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD11	5	0.15
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD12	5	0.15
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD13	5	0.15
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD21	5	0.15
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD22	5	0.15
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD23	5	0.15
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD11	5	0.15
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD12	5	0.15
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD13	5	0.15
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD21	5	0.15
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD22	5	0.15
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD23	5	0.15
(1,1569)	1:C:36:TRP:HH2	2:F:301:ILE:HD11	6	0.15
(1,1569)	1:C:36:TRP:HH2	2:F:301:ILE:HD12	6	0.15
(1,1569)	1:C:36:TRP:HH2	2:F:301:ILE:HD13	6	0.15
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE1	6	0.15
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE2	6	0.15
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE1	6	0.15
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE2	6	0.15
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	13	0.15
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	13	0.15
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	13	0.15
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	13	0.15
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	13	0.15
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	13	0.15
(1,1562)	1:C:40:VAL:HG11	2:F:290:TRP:HE1	5	0.15
(1,1562)	1:C:40:VAL:HG12	2:F:290:TRP:HE1	5	0.15
(1,1562)	1:C:40:VAL:HG13	2:F:290:TRP:HE1	5	0.15
(1,1562)	1:C:40:VAL:HG11	2:F:290:TRP:HE1	8	0.15
(1,1562)	1:C:40:VAL:HG12	2:F:290:TRP:HE1	8	0.15
(1,1562)	1:C:40:VAL:HG13	2:F:290:TRP:HE1	8	0.15
(1,1556)	1:C:56:TYR:HE1	2:F:278:LEU:HD21	11	0.15
(1,1556)	1:C:56:TYR:HE1	2:F:278:LEU:HD22	11	0.15
(1,1556)	1:C:56:TYR:HE1	2:F:278:LEU:HD23	11	0.15
(1,1556)	1:C:56:TYR:HE2	2:F:278:LEU:HD21	11	0.15
(1,1556)	1:C:56:TYR:HE2	2:F:278:LEU:HD22	11	0.15
(1,1556)	1:C:56:TYR:HE2	2:F:278:LEU:HD23	11	0.15
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	20	0.15
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	20	0.15
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	20	0.15
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	20	0.15
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	20	0.15
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	20	0.15
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	20	0.15
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	20	0.15
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	15	0.15
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	15	0.15
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	15	0.15
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	15	0.15
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	15	0.15
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	15	0.15
(1,1530)	1:A:98:LEU:HD11	2:E:281:PHE:HD1	18	0.15
(1,1530)	1:A:98:LEU:HD11	2:E:281:PHE:HD2	18	0.15
(1,1530)	1:A:98:LEU:HD12	2:E:281:PHE:HD1	18	0.15
(1,1530)	1:A:98:LEU:HD12	2:E:281:PHE:HD2	18	0.15
(1,1530)	1:A:98:LEU:HD13	2:E:281:PHE:HD1	18	0.15
(1,1530)	1:A:98:LEU:HD13	2:E:281:PHE:HD2	18	0.15
(1,1530)	1:A:98:LEU:HD21	2:E:281:PHE:HD1	18	0.15
(1,1530)	1:A:98:LEU:HD21	2:E:281:PHE:HD2	18	0.15
(1,1530)	1:A:98:LEU:HD22	2:E:281:PHE:HD1	18	0.15
(1,1530)	1:A:98:LEU:HD22	2:E:281:PHE:HD2	18	0.15
(1,1530)	1:A:98:LEU:HD23	2:E:281:PHE:HD1	18	0.15
(1,1530)	1:A:98:LEU:HD23	2:E:281:PHE:HD2	18	0.15
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD11	2	0.15
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD12	2	0.15
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD13	2	0.15
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD21	2	0.15
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD22	2	0.15
(1,1525)	1:A:94:MET:HE1	2:E:278:LEU:HD23	2	0.15
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD11	2	0.15
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD12	2	0.15
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD13	2	0.15
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD21	2	0.15
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD22	2	0.15
(1,1525)	1:A:94:MET:HE2	2:E:278:LEU:HD23	2	0.15
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD11	2	0.15
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD12	2	0.15
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD13	2	0.15
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD21	2	0.15
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD22	2	0.15
(1,1525)	1:A:94:MET:HE3	2:E:278:LEU:HD23	2	0.15
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	15	0.15
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	15	0.15
(1,148)	1:A:51:LEU:H	1:A:55:VAL:H	9	0.15
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	3	0.15
(1,146)	1:A:50:GLN:H	1:A:57:GLU:H	14	0.15
(1,1459)	1:D:126:LEU:HD21	1:D:128:LEU:H	16	0.15
(1,1459)	1:D:126:LEU:HD22	1:D:128:LEU:H	16	0.15
(1,1459)	1:D:126:LEU:HD23	1:D:128:LEU:H	16	0.15
(1,1442)	1:D:116:SER:H	1:D:118:VAL:H	17	0.15
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	5	0.15
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	8	0.15
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	20	0.15
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	3	0.15
(1,1407)	1:D:98:LEU:H	1:D:100:ALA:H	5	0.15
(1,1405)	1:D:97:CYS:H	1:D:100:ALA:H	14	0.15
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	15	0.15
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	20	0.15
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	12	0.15
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	14	0.15
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	16	0.15
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	19	0.15
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	6	0.15
(1,136)	1:A:47:ALA:H	1:A:59:VAL:H	8	0.15
(1,1338)	1:D:73:ALA:H	1:D:74:PHE:H	18	0.15
(1,1290)	1:D:60:LEU:H	1:D:82:GLY:H	16	0.15
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG21	5	0.15
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG22	5	0.15
(1,128)	1:A:44:LEU:HD21	1:A:62:VAL:HG23	5	0.15
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG21	5	0.15
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG22	5	0.15
(1,128)	1:A:44:LEU:HD22	1:A:62:VAL:HG23	5	0.15
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG21	5	0.15
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG22	5	0.15
(1,128)	1:A:44:LEU:HD23	1:A:62:VAL:HG23	5	0.15
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	2	0.15
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	3	0.15
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	8	0.15
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	11	0.15
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	15	0.15
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	18	0.15
(1,122)	1:A:44:LEU:H	1:A:63:THR:H	16	0.15
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB1	1	0.15
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:D:39:GLU:H	1:D:66:ALA:HB3	1	0.15
(1,1190)	1:D:31:VAL:HG11	1:D:34:LYS:H	9	0.15
(1,1190)	1:D:31:VAL:HG12	1:D:34:LYS:H	9	0.15
(1,1190)	1:D:31:VAL:HG13	1:D:34:LYS:H	9	0.15
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	2	0.15
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	9	0.15
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	12	0.15
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB1	13	0.15
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB2	13	0.15
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB3	13	0.15
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB1	13	0.15
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB2	13	0.15
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB3	13	0.15
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB1	13	0.15
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB2	13	0.15
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB3	13	0.15
(1,1174)	1:D:23:PHE:HE1	1:D:75:LEU:H	4	0.15
(1,1174)	1:D:23:PHE:HE2	1:D:75:LEU:H	4	0.15
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	1	0.15
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	14	0.15
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	7	0.15
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	7	0.15
(1,111)	1:A:41:LYS:H	1:A:65:THR:H	10	0.15
(1,111)	1:A:41:LYS:H	1:A:65:THR:H	12	0.15
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	8	0.15
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	3	0.15
(1,1047)	1:C:99:GLY:H	1:C:100:ALA:H	12	0.15
(1,1047)	1:C:99:GLY:H	1:C:100:ALA:H	19	0.15
(2,2)	1:C:40:VAL:O	2:F:290:TRP:NE1	10	0.14
(2,2)	1:C:40:VAL:O	2:F:290:TRP:NE1	16	0.14
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	13	0.14
(1,99)	1:A:39:GLU:H	1:A:67:SER:H	17	0.14
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE1	6	0.14
(1,989)	1:C:74:PHE:HE1	1:C:123:PHE:HE2	6	0.14
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE1	6	0.14
(1,989)	1:C:74:PHE:HE2	1:C:123:PHE:HE2	6	0.14
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB1	4	0.14
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB2	4	0.14
(1,98)	1:A:39:GLU:H	1:A:66:ALA:HB3	4	0.14
(1,960)	1:C:66:ALA:H	1:C:67:SER:H	3	0.14
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	1	0.14
(1,943)	1:C:62:VAL:H	1:C:63:THR:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:C:56:TYR:H	1:C:86:ILE:H	18	0.14
(1,909)	1:C:55:VAL:H	1:C:86:ILE:H	3	0.14
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	8	0.14
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	10	0.14
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	18	0.14
(1,875)	1:C:45:ASP:H	1:C:61:ARG:H	16	0.14
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	17	0.14
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	17	0.14
(1,845)	1:C:39:GLU:H	1:C:67:SER:H	10	0.14
(1,843)	1:C:39:GLU:H	1:C:40:VAL:H	2	0.14
(1,816)	1:C:28:ALA:H	1:C:30:HIS:H	9	0.14
(1,798)	1:C:22:SER:H	1:C:78:VAL:H	2	0.14
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	10	0.14
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	10	0.14
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	10	0.14
(1,757)	1:C:11:PHE:HD1	1:C:12:GLN:H	14	0.14
(1,757)	1:C:11:PHE:HD2	1:C:12:GLN:H	14	0.14
(1,738)	1:B:136:LEU:H	1:B:138:MET:H	9	0.14
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	6	0.14
(1,713)	1:B:121:GLY:H	1:B:123:PHE:H	18	0.14
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD1	6	0.14
(1,710)	1:B:118:VAL:HG21	1:B:123:PHE:HD2	6	0.14
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD1	6	0.14
(1,710)	1:B:118:VAL:HG22	1:B:123:PHE:HD2	6	0.14
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD1	6	0.14
(1,710)	1:B:118:VAL:HG23	1:B:123:PHE:HD2	6	0.14
(1,70)	1:A:30:HIS:H	1:A:33:GLN:H	4	0.14
(1,696)	1:B:115:THR:H	1:B:116:SER:H	1	0.14
(1,696)	1:B:115:THR:H	1:B:116:SER:H	17	0.14
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	6	0.14
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	20	0.14
(1,669)	1:B:99:GLY:H	1:B:102:CYS:H	11	0.14
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	16	0.14
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	3	0.14
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	19	0.14
(1,657)	1:B:97:CYS:H	1:B:98:LEU:H	17	0.14
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	9	0.14
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	17	0.14
(1,595)	1:B:68:LEU:H	1:B:73:ALA:H	3	0.14
(1,594)	1:B:68:LEU:H	1:B:71:GLU:H	5	0.14
(1,547)	1:B:57:GLU:H	1:B:84:PHE:H	6	0.14
(1,546)	1:B:57:GLU:H	1:B:58:VAL:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	20	0.14
(1,504)	1:B:45:ASP:H	1:B:61:ARG:H	3	0.14
(1,452)	1:B:28:ALA:H	1:B:31:VAL:H	17	0.14
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	1	0.14
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	2	0.14
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	1	0.14
(1,413)	1:B:12:GLN:H	1:B:13:ILE:H	7	0.14
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	20	0.14
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	20	0.14
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	3	0.14
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	4	0.14
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	10	0.14
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	20	0.14
(1,383)	1:A:135:ALA:H	1:A:137:PHE:H	2	0.14
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	5	0.14
(1,360)	1:A:122:THR:H	1:B:18:THR:H	18	0.14
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	10	0.14
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	9	0.14
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	15	0.14
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	7	0.14
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	9	0.14
(1,321)	1:A:109:TYR:H	1:A:110:ALA:H	4	0.14
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	17	0.14
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	15	0.14
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	16	0.14
(1,303)	1:A:97:CYS:H	1:A:98:LEU:H	6	0.14
(1,302)	1:A:96:HIS:H	1:A:99:GLY:H	17	0.14
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	1	0.14
(1,3)	1:A:10:THR:H	1:A:87:ALA:H	19	0.14
(1,293)	1:A:94:MET:HE1	1:A:95:ALA:H	12	0.14
(1,293)	1:A:94:MET:HE2	1:A:95:ALA:H	12	0.14
(1,293)	1:A:94:MET:HE3	1:A:95:ALA:H	12	0.14
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	12	0.14
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	7	0.14
(1,236)	1:A:69:GLY:H	1:A:71:GLU:H	15	0.14
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB1	5	0.14
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB2	5	0.14
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB3	5	0.14
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB1	5	0.14
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB2	5	0.14
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB3	5	0.14
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB1	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB2	5	0.14
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB3	5	0.14
(1,228)	1:A:67:SER:H	1:A:73:ALA:H	15	0.14
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	5	0.14
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG21	19	0.14
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG22	19	0.14
(1,195)	1:A:60:LEU:HD11	1:A:62:VAL:HG23	19	0.14
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG21	19	0.14
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG22	19	0.14
(1,195)	1:A:60:LEU:HD12	1:A:62:VAL:HG23	19	0.14
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG21	19	0.14
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG22	19	0.14
(1,195)	1:A:60:LEU:HD13	1:A:62:VAL:HG23	19	0.14
(1,1700)	1:B:128:LEU:HD11	2:H:290:TRP:HE3	2	0.14
(1,1700)	1:B:128:LEU:HD12	2:H:290:TRP:HE3	2	0.14
(1,1700)	1:B:128:LEU:HD13	2:H:290:TRP:HE3	2	0.14
(1,1700)	1:B:128:LEU:HD21	2:H:290:TRP:HE3	2	0.14
(1,1700)	1:B:128:LEU:HD22	2:H:290:TRP:HE3	2	0.14
(1,1700)	1:B:128:LEU:HD23	2:H:290:TRP:HE3	2	0.14
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	7	0.14
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	7	0.14
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	7	0.14
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	7	0.14
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	7	0.14
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	7	0.14
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	7	0.14
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	7	0.14
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	7	0.14
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	1	0.14
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	1	0.14
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	1	0.14
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	1	0.14
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	1	0.14
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	1	0.14
(1,1659)	1:B:60:LEU:HD21	2:H:281:PHE:HZ	4	0.14
(1,1659)	1:B:60:LEU:HD22	2:H:281:PHE:HZ	4	0.14
(1,1659)	1:B:60:LEU:HD23	2:H:281:PHE:HZ	4	0.14
(1,1658)	1:B:42:LEU:HD21	2:H:288:VAL:HG11	20	0.14
(1,1658)	1:B:42:LEU:HD21	2:H:288:VAL:HG12	20	0.14
(1,1658)	1:B:42:LEU:HD21	2:H:288:VAL:HG13	20	0.14
(1,1658)	1:B:42:LEU:HD22	2:H:288:VAL:HG11	20	0.14
(1,1658)	1:B:42:LEU:HD22	2:H:288:VAL:HG12	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:B:42:LEU:HD22	2:H:288:VAL:HG13	20	0.14
(1,1658)	1:B:42:LEU:HD23	2:H:288:VAL:HG11	20	0.14
(1,1658)	1:B:42:LEU:HD23	2:H:288:VAL:HG12	20	0.14
(1,1658)	1:B:42:LEU:HD23	2:H:288:VAL:HG13	20	0.14
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	1	0.14
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	1	0.14
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	1	0.14
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	1	0.14
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	1	0.14
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	1	0.14
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	1	0.14
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	1	0.14
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	1	0.14
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	5	0.14
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	5	0.14
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	5	0.14
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	5	0.14
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	5	0.14
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	5	0.14
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	5	0.14
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	5	0.14
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	5	0.14
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD11	6	0.14
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD12	6	0.14
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD13	6	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD11	5	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD12	5	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD13	5	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD21	5	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD22	5	0.14
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD23	5	0.14
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD11	5	0.14
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD12	5	0.14
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD13	5	0.14
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD21	5	0.14
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD22	5	0.14
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD23	5	0.14
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD11	5	0.14
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD12	5	0.14
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD13	5	0.14
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD21	5	0.14
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD22	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD23	5	0.14
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	7	0.14
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	7	0.14
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	7	0.14
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	7	0.14
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	7	0.14
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	7	0.14
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	7	0.14
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	7	0.14
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	7	0.14
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	13	0.14
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	13	0.14
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	13	0.14
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	13	0.14
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	13	0.14
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	13	0.14
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	13	0.14
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	13	0.14
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	13	0.14
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD11	9	0.14
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD12	9	0.14
(1,1622)	1:D:36:TRP:HH2	2:G:301:ILE:HD13	9	0.14
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD11	11	0.14
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD12	11	0.14
(1,1621)	1:D:32:PHE:HE1	2:G:301:ILE:HD13	11	0.14
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD11	11	0.14
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD12	11	0.14
(1,1621)	1:D:32:PHE:HE2	2:G:301:ILE:HD13	11	0.14
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE1	13	0.14
(1,1619)	1:D:123:PHE:HE1	2:G:297:TYR:HE2	13	0.14
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE1	13	0.14
(1,1619)	1:D:123:PHE:HE2	2:G:297:TYR:HE2	13	0.14
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG21	11	0.14
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG22	11	0.14
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG23	11	0.14
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	7	0.14
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	7	0.14
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	7	0.14
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	11	0.14
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	11	0.14
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	11	0.14
(1,1615)	1:D:40:VAL:HG11	2:G:290:TRP:HE1	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1615)	1:D:40:VAL:HG12	2:G:290:TRP:HE1	14	0.14
(1,1615)	1:D:40:VAL:HG13	2:G:290:TRP:HE1	14	0.14
(1,1610)	1:D:106:LEU:HD11	2:G:281:PHE:HZ	3	0.14
(1,1610)	1:D:106:LEU:HD12	2:G:281:PHE:HZ	3	0.14
(1,1610)	1:D:106:LEU:HD13	2:G:281:PHE:HZ	3	0.14
(1,1594)	1:C:128:LEU:HD11	2:F:290:TRP:HE3	1	0.14
(1,1594)	1:C:128:LEU:HD12	2:F:290:TRP:HE3	1	0.14
(1,1594)	1:C:128:LEU:HD13	2:F:290:TRP:HE3	1	0.14
(1,1594)	1:C:128:LEU:HD21	2:F:290:TRP:HE3	1	0.14
(1,1594)	1:C:128:LEU:HD22	2:F:290:TRP:HE3	1	0.14
(1,1594)	1:C:128:LEU:HD23	2:F:290:TRP:HE3	1	0.14
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD11	13	0.14
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD12	13	0.14
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD13	13	0.14
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD21	13	0.14
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD22	13	0.14
(1,1582)	1:C:98:LEU:HD11	2:F:280:LEU:HD23	13	0.14
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD11	13	0.14
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD12	13	0.14
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD13	13	0.14
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD21	13	0.14
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD22	13	0.14
(1,1582)	1:C:98:LEU:HD12	2:F:280:LEU:HD23	13	0.14
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD11	13	0.14
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD12	13	0.14
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD13	13	0.14
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD21	13	0.14
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD22	13	0.14
(1,1582)	1:C:98:LEU:HD13	2:F:280:LEU:HD23	13	0.14
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD11	13	0.14
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD12	13	0.14
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD13	13	0.14
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD21	13	0.14
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD22	13	0.14
(1,1582)	1:C:98:LEU:HD21	2:F:280:LEU:HD23	13	0.14
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD11	13	0.14
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD12	13	0.14
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD13	13	0.14
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD21	13	0.14
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD22	13	0.14
(1,1582)	1:C:98:LEU:HD22	2:F:280:LEU:HD23	13	0.14
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD11	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD12	13	0.14
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD13	13	0.14
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD21	13	0.14
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD22	13	0.14
(1,1582)	1:C:98:LEU:HD23	2:F:280:LEU:HD23	13	0.14
(1,1578)	1:C:94:MET:HE1	2:F:278:LEU:HD11	2	0.14
(1,1578)	1:C:94:MET:HE1	2:F:278:LEU:HD12	2	0.14
(1,1578)	1:C:94:MET:HE1	2:F:278:LEU:HD13	2	0.14
(1,1578)	1:C:94:MET:HE1	2:F:278:LEU:HD21	2	0.14
(1,1578)	1:C:94:MET:HE1	2:F:278:LEU:HD22	2	0.14
(1,1578)	1:C:94:MET:HE1	2:F:278:LEU:HD23	2	0.14
(1,1578)	1:C:94:MET:HE2	2:F:278:LEU:HD11	2	0.14
(1,1578)	1:C:94:MET:HE2	2:F:278:LEU:HD12	2	0.14
(1,1578)	1:C:94:MET:HE2	2:F:278:LEU:HD13	2	0.14
(1,1578)	1:C:94:MET:HE2	2:F:278:LEU:HD21	2	0.14
(1,1578)	1:C:94:MET:HE2	2:F:278:LEU:HD22	2	0.14
(1,1578)	1:C:94:MET:HE2	2:F:278:LEU:HD23	2	0.14
(1,1578)	1:C:94:MET:HE3	2:F:278:LEU:HD11	2	0.14
(1,1578)	1:C:94:MET:HE3	2:F:278:LEU:HD12	2	0.14
(1,1578)	1:C:94:MET:HE3	2:F:278:LEU:HD13	2	0.14
(1,1578)	1:C:94:MET:HE3	2:F:278:LEU:HD21	2	0.14
(1,1578)	1:C:94:MET:HE3	2:F:278:LEU:HD22	2	0.14
(1,1578)	1:C:94:MET:HE3	2:F:278:LEU:HD23	2	0.14
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE1	8	0.14
(1,1566)	1:C:123:PHE:HE1	2:F:297:TYR:HE2	8	0.14
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE1	8	0.14
(1,1566)	1:C:123:PHE:HE2	2:F:297:TYR:HE2	8	0.14
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	7	0.14
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	7	0.14
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	7	0.14
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	7	0.14
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	7	0.14
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	7	0.14
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	8	0.14
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	8	0.14
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	8	0.14
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	8	0.14
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	8	0.14
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	8	0.14
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	8	0.14
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	8	0.14
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	17	0.14
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	17	0.14
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	17	0.14
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	17	0.14
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	17	0.14
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	17	0.14
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	17	0.14
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	17	0.14
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	17	0.14
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD11	6	0.14
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD12	6	0.14
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD13	6	0.14
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	11	0.14
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	11	0.14
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	11	0.14
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	11	0.14
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	11	0.14
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	11	0.14
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	11	0.14
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	11	0.14
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	11	0.14
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	5	0.14
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	5	0.14
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	5	0.14
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	5	0.14
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	5	0.14
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	5	0.14
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD11	17	0.14
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD12	17	0.14
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD13	17	0.14
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD21	17	0.14
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD22	17	0.14
(1,1523)	1:A:89:ILE:HD11	2:E:277:LEU:HD23	17	0.14
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD11	17	0.14
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD12	17	0.14
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD13	17	0.14
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD21	17	0.14
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD22	17	0.14
(1,1523)	1:A:89:ILE:HD12	2:E:277:LEU:HD23	17	0.14
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD11	17	0.14
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD12	17	0.14
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD13	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD21	17	0.14
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD22	17	0.14
(1,1523)	1:A:89:ILE:HD13	2:E:277:LEU:HD23	17	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	13	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	13	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	13	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	13	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	13	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	13	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	13	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	13	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	13	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	13	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	13	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	13	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	13	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	13	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	13	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	13	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	13	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	13	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	20	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	20	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	20	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	20	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	20	0.14
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	20	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	20	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	20	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	20	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	20	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	20	0.14
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	20	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	20	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	20	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	20	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	20	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	20	0.14
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	20	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD11	5	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD12	5	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD13	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD11	5	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD12	5	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD13	5	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD11	5	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD12	5	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD13	5	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD11	7	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD12	7	0.14
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD13	7	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD11	7	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD12	7	0.14
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD13	7	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD11	7	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD12	7	0.14
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD13	7	0.14
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	7	0.14
(1,151)	1:A:51:LEU:H	1:A:57:GLU:H	20	0.14
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD11	4	0.14
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD12	4	0.14
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD13	4	0.14
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD21	4	0.14
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD22	4	0.14
(1,1506)	1:A:58:VAL:HG21	2:E:278:LEU:HD23	4	0.14
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD11	4	0.14
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD12	4	0.14
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD13	4	0.14
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD21	4	0.14
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD22	4	0.14
(1,1506)	1:A:58:VAL:HG22	2:E:278:LEU:HD23	4	0.14
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD11	4	0.14
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD12	4	0.14
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD13	4	0.14
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD21	4	0.14
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD22	4	0.14
(1,1506)	1:A:58:VAL:HG23	2:E:278:LEU:HD23	4	0.14
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	7	0.14
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	7	0.14
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	7	0.14
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	16	0.14
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	16	0.14
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	16	0.14
(1,1485)	1:D:137:PHE:H	1:D:139:ASN:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	2	0.14
(1,1483)	1:D:136:LEU:H	1:D:138:MET:H	4	0.14
(1,1469)	1:D:133:PHE:H	1:D:135:ALA:H	4	0.14
(1,1433)	1:D:113:CYS:H	1:D:115:THR:H	6	0.14
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	2	0.14
(1,1405)	1:D:97:CYS:H	1:D:100:ALA:H	15	0.14
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	5	0.14
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	14	0.14
(1,1382)	1:D:91:GLY:H	1:D:95:ALA:H	14	0.14
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	4	0.14
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	6	0.14
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	11	0.14
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	13	0.14
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG11	10	0.14
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG12	10	0.14
(1,135)	1:A:47:ALA:H	1:A:58:VAL:HG13	10	0.14
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	6	0.14
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	20	0.14
(1,1304)	1:D:64:VAL:H	1:D:65:THR:H	3	0.14
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG11	6	0.14
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG12	6	0.14
(1,127)	1:A:44:LEU:HD21	1:A:62:VAL:HG13	6	0.14
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG11	6	0.14
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG12	6	0.14
(1,127)	1:A:44:LEU:HD22	1:A:62:VAL:HG13	6	0.14
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG11	6	0.14
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG12	6	0.14
(1,127)	1:A:44:LEU:HD23	1:A:62:VAL:HG13	6	0.14
(1,1268)	1:D:55:VAL:H	1:D:56:TYR:HE1	17	0.14
(1,1268)	1:D:55:VAL:H	1:D:56:TYR:HE2	17	0.14
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	20	0.14
(1,1229)	1:D:43:ASP:H	1:D:44:LEU:H	3	0.14
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	13	0.14
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	9	0.14
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	3	0.14
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD21	20	0.14
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD22	20	0.14
(1,117)	1:A:42:LEU:HD21	1:A:44:LEU:HD23	20	0.14
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD21	20	0.14
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD22	20	0.14
(1,117)	1:A:42:LEU:HD22	1:A:44:LEU:HD23	20	0.14
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD21	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD22	20	0.14
(1,117)	1:A:42:LEU:HD23	1:A:44:LEU:HD23	20	0.14
(1,1147)	1:D:14:GLN:H	1:D:15:ARG:H	19	0.14
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	9	0.14
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	9	0.14
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	9	0.14
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	19	0.14
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	19	0.14
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	19	0.14
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	4	0.14
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	4	0.14
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	4	0.14
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	19	0.14
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	19	0.14
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	19	0.14
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	12	0.14
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	11	0.14
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	18	0.14
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	5	0.14
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	19	0.14
(1,1033)	1:C:95:ALA:H	1:C:98:LEU:H	2	0.14
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	10	0.14
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	18	0.14
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	20	0.14
(1,1007)	1:C:82:GLY:H	1:C:83:ILE:H	1	0.14
(1,1007)	1:C:82:GLY:H	1:C:83:ILE:H	6	0.14
(1,1007)	1:C:82:GLY:H	1:C:83:ILE:H	15	0.14
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	7	0.13
(1,995)	1:C:77:GLU:H	1:C:78:VAL:H	18	0.13
(1,961)	1:C:66:ALA:H	1:C:73:ALA:H	14	0.13
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD21	10	0.13
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD22	10	0.13
(1,95)	1:A:36:TRP:HE3	1:A:68:LEU:HD23	10	0.13
(1,913)	1:C:56:TYR:H	1:C:85:SER:H	3	0.13
(1,913)	1:C:56:TYR:H	1:C:85:SER:H	9	0.13
(1,890)	1:C:51:LEU:H	1:C:55:VAL:H	6	0.13
(1,888)	1:C:50:GLN:H	1:C:57:GLU:H	9	0.13
(1,886)	1:C:49:SER:H	1:C:57:GLU:H	19	0.13
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	7	0.13
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	7	0.13
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	16	0.13
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB1	12	0.13
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB2	12	0.13
(1,844)	1:C:39:GLU:H	1:C:66:ALA:HB3	12	0.13
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD21	17	0.13
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD22	17	0.13
(1,839)	1:C:35:ASP:H	1:C:68:LEU:HD23	17	0.13
(1,829)	1:C:31:VAL:HG21	1:C:36:TRP:HZ3	3	0.13
(1,829)	1:C:31:VAL:HG22	1:C:36:TRP:HZ3	3	0.13
(1,829)	1:C:31:VAL:HG23	1:C:36:TRP:HZ3	3	0.13
(1,801)	1:C:23:PHE:H	1:C:24:GLU:H	1	0.13
(1,787)	1:C:19:LYS:H	1:C:79:GLN:H	6	0.13
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	17	0.13
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	16	0.13
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	16	0.13
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	16	0.13
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	16	0.13
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	16	0.13
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	16	0.13
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	2	0.13
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	2	0.13
(1,731)	1:B:134:ASP:H	1:B:135:ALA:H	4	0.13
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	2	0.13
(1,692)	1:B:113:CYS:H	1:B:116:SER:H	14	0.13
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	8	0.13
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	13	0.13
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	17	0.13
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	18	0.13
(1,67)	1:A:28:ALA:HB1	1:B:17:TYR:HE1	17	0.13
(1,67)	1:A:28:ALA:HB1	1:B:17:TYR:HE2	17	0.13
(1,67)	1:A:28:ALA:HB2	1:B:17:TYR:HE1	17	0.13
(1,67)	1:A:28:ALA:HB2	1:B:17:TYR:HE2	17	0.13
(1,67)	1:A:28:ALA:HB3	1:B:17:TYR:HE1	17	0.13
(1,67)	1:A:28:ALA:HB3	1:B:17:TYR:HE2	17	0.13
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	12	0.13
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	11	0.13
(1,651)	1:B:95:ALA:H	1:B:98:LEU:H	17	0.13
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	18	0.13
(1,627)	1:B:85:SER:H	1:B:86:ILE:H	20	0.13
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	5	0.13
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	5	0.13
(1,557)	1:B:59:VAL:H	1:B:60:LEU:H	13	0.13
(1,543)	1:B:56:TYR:H	1:B:86:ILE:H	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	12	0.13
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	12	0.13
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE1	3	0.13
(1,501)	1:B:44:LEU:HD11	1:B:133:PHE:HE2	3	0.13
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE1	3	0.13
(1,501)	1:B:44:LEU:HD12	1:B:133:PHE:HE2	3	0.13
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE1	3	0.13
(1,501)	1:B:44:LEU:HD13	1:B:133:PHE:HE2	3	0.13
(1,475)	1:B:36:TRP:HE3	1:B:37:GLN:H	12	0.13
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	8	0.13
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	8	0.13
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	8	0.13
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	8	0.13
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	8	0.13
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	8	0.13
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	8	0.13
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	8	0.13
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	8	0.13
(1,430)	1:B:19:LYS:H	1:B:79:GLN:H	13	0.13
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	6	0.13
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	1	0.13
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	8	0.13
(1,376)	1:A:133:PHE:H	1:A:134:ASP:H	12	0.13
(1,357)	1:A:121:GLY:H	1:A:123:PHE:H	1	0.13
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	10	0.13
(1,325)	1:A:110:ALA:H	1:A:112:GLU:H	7	0.13
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	3	0.13
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	17	0.13
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	19	0.13
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	10	0.13
(1,311)	1:A:99:GLY:H	1:A:100:ALA:H	3	0.13
(1,31)	1:A:18:THR:H	1:B:122:THR:H	12	0.13
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	1	0.13
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	9	0.13
(1,305)	1:A:97:CYS:H	1:A:100:ALA:H	8	0.13
(1,304)	1:A:97:CYS:H	1:A:99:GLY:H	8	0.13
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	3	0.13
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	18	0.13
(1,290)	1:A:94:MET:H	1:A:95:ALA:H	15	0.13
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	1	0.13
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	14	0.13
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:A:78:VAL:HG11	1:A:79:GLN:H	7	0.13
(1,258)	1:A:78:VAL:HG12	1:A:79:GLN:H	7	0.13
(1,258)	1:A:78:VAL:HG13	1:A:79:GLN:H	7	0.13
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB1	8	0.13
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB2	8	0.13
(1,234)	1:A:68:LEU:HD11	1:A:73:ALA:HB3	8	0.13
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB1	8	0.13
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB2	8	0.13
(1,234)	1:A:68:LEU:HD12	1:A:73:ALA:HB3	8	0.13
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB1	8	0.13
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB2	8	0.13
(1,234)	1:A:68:LEU:HD13	1:A:73:ALA:HB3	8	0.13
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	3	0.13
(1,220)	1:A:66:ALA:H	1:A:76:CYS:H	16	0.13
(1,217)	1:A:66:ALA:H	1:A:67:SER:H	5	0.13
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	18	0.13
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	18	0.13
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	18	0.13
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	18	0.13
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	18	0.13
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	18	0.13
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	18	0.13
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	18	0.13
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	18	0.13
(1,21)	1:A:15:ARG:H	1:A:83:ILE:H	4	0.13
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	4	0.13
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	4	0.13
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	4	0.13
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	4	0.13
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	4	0.13
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	4	0.13
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	4	0.13
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	4	0.13
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	4	0.13
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG21	8	0.13
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG22	8	0.13
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG23	8	0.13
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG21	8	0.13
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG22	8	0.13
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG23	8	0.13
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG21	8	0.13
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG22	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG23	8	0.13
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG21	9	0.13
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG22	9	0.13
(1,1704)	1:A:16:ILE:HD11	2:H:306:VAL:HG23	9	0.13
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG21	9	0.13
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG22	9	0.13
(1,1704)	1:A:16:ILE:HD12	2:H:306:VAL:HG23	9	0.13
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG21	9	0.13
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG22	9	0.13
(1,1704)	1:A:16:ILE:HD13	2:H:306:VAL:HG23	9	0.13
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD11	9	0.13
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD12	9	0.13
(1,1691)	1:B:128:LEU:HD11	2:H:291:LEU:HD13	9	0.13
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD11	9	0.13
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD12	9	0.13
(1,1691)	1:B:128:LEU:HD12	2:H:291:LEU:HD13	9	0.13
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD11	9	0.13
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD12	9	0.13
(1,1691)	1:B:128:LEU:HD13	2:H:291:LEU:HD13	9	0.13
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD11	7	0.13
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD12	7	0.13
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD13	7	0.13
(1,1662)	1:B:56:TYR:HE1	2:H:278:LEU:HD21	9	0.13
(1,1662)	1:B:56:TYR:HE1	2:H:278:LEU:HD22	9	0.13
(1,1662)	1:B:56:TYR:HE1	2:H:278:LEU:HD23	9	0.13
(1,1662)	1:B:56:TYR:HE2	2:H:278:LEU:HD21	9	0.13
(1,1662)	1:B:56:TYR:HE2	2:H:278:LEU:HD22	9	0.13
(1,1662)	1:B:56:TYR:HE2	2:H:278:LEU:HD23	9	0.13
(1,1659)	1:B:60:LEU:HD21	2:H:281:PHE:HZ	11	0.13
(1,1659)	1:B:60:LEU:HD22	2:H:281:PHE:HZ	11	0.13
(1,1659)	1:B:60:LEU:HD23	2:H:281:PHE:HZ	11	0.13
(1,1647)	1:D:128:LEU:HD11	2:G:290:TRP:HE3	12	0.13
(1,1647)	1:D:128:LEU:HD12	2:G:290:TRP:HE3	12	0.13
(1,1647)	1:D:128:LEU:HD13	2:G:290:TRP:HE3	12	0.13
(1,1647)	1:D:128:LEU:HD21	2:G:290:TRP:HE3	12	0.13
(1,1647)	1:D:128:LEU:HD22	2:G:290:TRP:HE3	12	0.13
(1,1647)	1:D:128:LEU:HD23	2:G:290:TRP:HE3	12	0.13
(1,1644)	1:D:136:LEU:HD11	2:G:286:MET:HE1	20	0.13
(1,1644)	1:D:136:LEU:HD11	2:G:286:MET:HE2	20	0.13
(1,1644)	1:D:136:LEU:HD11	2:G:286:MET:HE3	20	0.13
(1,1644)	1:D:136:LEU:HD12	2:G:286:MET:HE1	20	0.13
(1,1644)	1:D:136:LEU:HD12	2:G:286:MET:HE2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:D:136:LEU:HD12	2:G:286:MET:HE3	20	0.13
(1,1644)	1:D:136:LEU:HD13	2:G:286:MET:HE1	20	0.13
(1,1644)	1:D:136:LEU:HD13	2:G:286:MET:HE2	20	0.13
(1,1644)	1:D:136:LEU:HD13	2:G:286:MET:HE3	20	0.13
(1,1644)	1:D:136:LEU:HD21	2:G:286:MET:HE1	20	0.13
(1,1644)	1:D:136:LEU:HD21	2:G:286:MET:HE2	20	0.13
(1,1644)	1:D:136:LEU:HD21	2:G:286:MET:HE3	20	0.13
(1,1644)	1:D:136:LEU:HD22	2:G:286:MET:HE1	20	0.13
(1,1644)	1:D:136:LEU:HD22	2:G:286:MET:HE2	20	0.13
(1,1644)	1:D:136:LEU:HD22	2:G:286:MET:HE3	20	0.13
(1,1644)	1:D:136:LEU:HD23	2:G:286:MET:HE1	20	0.13
(1,1644)	1:D:136:LEU:HD23	2:G:286:MET:HE2	20	0.13
(1,1644)	1:D:136:LEU:HD23	2:G:286:MET:HE3	20	0.13
(1,1642)	1:D:129:ALA:HB1	2:G:291:LEU:HD21	11	0.13
(1,1642)	1:D:129:ALA:HB1	2:G:291:LEU:HD22	11	0.13
(1,1642)	1:D:129:ALA:HB1	2:G:291:LEU:HD23	11	0.13
(1,1642)	1:D:129:ALA:HB2	2:G:291:LEU:HD21	11	0.13
(1,1642)	1:D:129:ALA:HB2	2:G:291:LEU:HD22	11	0.13
(1,1642)	1:D:129:ALA:HB2	2:G:291:LEU:HD23	11	0.13
(1,1642)	1:D:129:ALA:HB3	2:G:291:LEU:HD21	11	0.13
(1,1642)	1:D:129:ALA:HB3	2:G:291:LEU:HD22	11	0.13
(1,1642)	1:D:129:ALA:HB3	2:G:291:LEU:HD23	11	0.13
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD11	12	0.13
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD12	12	0.13
(1,1638)	1:D:128:LEU:HD11	2:G:291:LEU:HD13	12	0.13
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD11	12	0.13
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD12	12	0.13
(1,1638)	1:D:128:LEU:HD12	2:G:291:LEU:HD13	12	0.13
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD11	12	0.13
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD12	12	0.13
(1,1638)	1:D:128:LEU:HD13	2:G:291:LEU:HD13	12	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD11	14	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD12	14	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD13	14	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD21	14	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD22	14	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD23	14	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD11	14	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD12	14	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD13	14	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD21	14	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD22	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD23	14	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD11	14	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD12	14	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD13	14	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD21	14	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD22	14	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD23	14	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD11	14	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD12	14	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD13	14	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD21	14	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD22	14	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD23	14	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD11	14	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD12	14	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD13	14	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD21	14	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD22	14	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD23	14	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD11	14	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD12	14	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD13	14	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD21	14	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD22	14	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD23	14	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD11	15	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD12	15	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD13	15	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD21	15	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD22	15	0.13
(1,1635)	1:D:98:LEU:HD11	2:G:280:LEU:HD23	15	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD11	15	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD12	15	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD13	15	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD21	15	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD22	15	0.13
(1,1635)	1:D:98:LEU:HD12	2:G:280:LEU:HD23	15	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD11	15	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD12	15	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD13	15	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD21	15	0.13
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD22	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:D:98:LEU:HD13	2:G:280:LEU:HD23	15	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD11	15	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD12	15	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD13	15	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD21	15	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD22	15	0.13
(1,1635)	1:D:98:LEU:HD21	2:G:280:LEU:HD23	15	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD11	15	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD12	15	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD13	15	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD21	15	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD22	15	0.13
(1,1635)	1:D:98:LEU:HD22	2:G:280:LEU:HD23	15	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD11	15	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD12	15	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD13	15	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD21	15	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD22	15	0.13
(1,1635)	1:D:98:LEU:HD23	2:G:280:LEU:HD23	15	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD11	3	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD12	3	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD13	3	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD21	3	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD22	3	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD23	3	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD11	3	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD12	3	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD13	3	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD21	3	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD22	3	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD23	3	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD11	3	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD12	3	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD13	3	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD21	3	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD22	3	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD23	3	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD11	16	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD12	16	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD13	16	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD21	16	0.13
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD22	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD23	16	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD11	16	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD12	16	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD13	16	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD21	16	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD22	16	0.13
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD23	16	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD11	16	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD12	16	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD13	16	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD21	16	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD22	16	0.13
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD23	16	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD11	19	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD12	19	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD13	19	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD21	19	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD22	19	0.13
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD23	19	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD11	19	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD12	19	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD13	19	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD21	19	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD22	19	0.13
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD23	19	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD11	19	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD12	19	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD13	19	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD21	19	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD22	19	0.13
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD23	19	0.13
(1,1624)	1:D:129:ALA:HB1	2:G:288:VAL:HG11	6	0.13
(1,1624)	1:D:129:ALA:HB1	2:G:288:VAL:HG12	6	0.13
(1,1624)	1:D:129:ALA:HB1	2:G:288:VAL:HG13	6	0.13
(1,1624)	1:D:129:ALA:HB2	2:G:288:VAL:HG11	6	0.13
(1,1624)	1:D:129:ALA:HB2	2:G:288:VAL:HG12	6	0.13
(1,1624)	1:D:129:ALA:HB2	2:G:288:VAL:HG13	6	0.13
(1,1624)	1:D:129:ALA:HB3	2:G:288:VAL:HG11	6	0.13
(1,1624)	1:D:129:ALA:HB3	2:G:288:VAL:HG12	6	0.13
(1,1624)	1:D:129:ALA:HB3	2:G:288:VAL:HG13	6	0.13
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD21	17	0.13
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD22	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:D:94:MET:HE1	2:G:277:LEU:HD23	17	0.13
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD21	17	0.13
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD22	17	0.13
(1,1623)	1:D:94:MET:HE2	2:G:277:LEU:HD23	17	0.13
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD21	17	0.13
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD22	17	0.13
(1,1623)	1:D:94:MET:HE3	2:G:277:LEU:HD23	17	0.13
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG21	13	0.13
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG22	13	0.13
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG23	13	0.13
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG21	13	0.13
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG22	13	0.13
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG23	13	0.13
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG21	13	0.13
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG22	13	0.13
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG23	13	0.13
(1,16)	1:A:14:GLN:H	1:A:83:ILE:H	1	0.13
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	2	0.13
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	2	0.13
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	2	0.13
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	2	0.13
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	2	0.13
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	2	0.13
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	2	0.13
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	2	0.13
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	2	0.13
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD11	8	0.13
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD12	8	0.13
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD13	8	0.13
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD11	8	0.13
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD12	8	0.13
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD13	8	0.13
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD11	15	0.13
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD12	15	0.13
(1,1558)	1:C:137:PHE:HZ	2:F:280:LEU:HD13	15	0.13
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG21	1	0.13
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG22	1	0.13
(1,1546)	1:D:131:VAL:HG21	2:E:309:THR:HG23	1	0.13
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG21	1	0.13
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG22	1	0.13
(1,1546)	1:D:131:VAL:HG22	2:E:309:THR:HG23	1	0.13
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG21	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG22	1	0.13
(1,1546)	1:D:131:VAL:HG23	2:E:309:THR:HG23	1	0.13
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD11	18	0.13
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD12	18	0.13
(1,1543)	1:A:36:TRP:HE3	2:E:301:ILE:HD13	18	0.13
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD11	15	0.13
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD12	15	0.13
(1,1532)	1:A:128:LEU:HD11	2:E:291:LEU:HD13	15	0.13
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD11	15	0.13
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD12	15	0.13
(1,1532)	1:A:128:LEU:HD12	2:E:291:LEU:HD13	15	0.13
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD11	15	0.13
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD12	15	0.13
(1,1532)	1:A:128:LEU:HD13	2:E:291:LEU:HD13	15	0.13
(1,1531)	1:A:98:LEU:HD11	2:E:281:PHE:HZ	7	0.13
(1,1531)	1:A:98:LEU:HD12	2:E:281:PHE:HZ	7	0.13
(1,1531)	1:A:98:LEU:HD13	2:E:281:PHE:HZ	7	0.13
(1,1531)	1:A:98:LEU:HD21	2:E:281:PHE:HZ	7	0.13
(1,1531)	1:A:98:LEU:HD22	2:E:281:PHE:HZ	7	0.13
(1,1531)	1:A:98:LEU:HD23	2:E:281:PHE:HZ	7	0.13
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	4	0.13
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	4	0.13
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	4	0.13
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	4	0.13
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	4	0.13
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	4	0.13
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	4	0.13
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	4	0.13
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	4	0.13
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	4	0.13
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	4	0.13
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	4	0.13
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	4	0.13
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	4	0.13
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	4	0.13
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	4	0.13
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	4	0.13
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	4	0.13
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	4	0.13
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	4	0.13
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	4	0.13
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	4	0.13
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	4	0.13
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	4	0.13
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	4	0.13
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	4	0.13
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	4	0.13
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	4	0.13
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	4	0.13
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	4	0.13
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	4	0.13
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	4	0.13
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	4	0.13
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	4	0.13
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	4	0.13
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD11	7	0.13
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD12	7	0.13
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD13	7	0.13
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD21	7	0.13
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD22	7	0.13
(1,1522)	1:A:87:ALA:HB1	2:E:277:LEU:HD23	7	0.13
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD11	7	0.13
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD12	7	0.13
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD13	7	0.13
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD21	7	0.13
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD22	7	0.13
(1,1522)	1:A:87:ALA:HB2	2:E:277:LEU:HD23	7	0.13
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD11	7	0.13
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD12	7	0.13
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD13	7	0.13
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD21	7	0.13
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD22	7	0.13
(1,1522)	1:A:87:ALA:HB3	2:E:277:LEU:HD23	7	0.13
(1,1482)	1:D:136:LEU:H	1:D:137:PHE:H	8	0.13
(1,146)	1:A:50:GLN:H	1:A:57:GLU:H	16	0.13
(1,145)	1:A:50:GLN:H	1:A:51:LEU:H	19	0.13
(1,1436)	1:D:114:ILE:H	1:D:116:SER:H	19	0.13
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	2	0.13
(1,1433)	1:D:113:CYS:H	1:D:115:THR:H	5	0.13
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	3	0.13
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	4	0.13
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	13	0.13
(1,1409)	1:D:99:GLY:H	1:D:100:ALA:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	1	0.13
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	3	0.13
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	7	0.13
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	1	0.13
(1,136)	1:A:47:ALA:H	1:A:59:VAL:H	12	0.13
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD21	19	0.13
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD22	19	0.13
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD23	19	0.13
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	5	0.13
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	7	0.13
(1,1326)	1:D:68:LEU:H	1:D:71:GLU:H	11	0.13
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	9	0.13
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	12	0.13
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD21	12	0.13
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD22	12	0.13
(1,1310)	1:D:64:VAL:HG11	1:D:126:LEU:HD23	12	0.13
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD21	12	0.13
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD22	12	0.13
(1,1310)	1:D:64:VAL:HG12	1:D:126:LEU:HD23	12	0.13
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD21	12	0.13
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD22	12	0.13
(1,1310)	1:D:64:VAL:HG13	1:D:126:LEU:HD23	12	0.13
(1,131)	1:A:45:ASP:H	1:A:62:VAL:H	12	0.13
(1,1251)	1:D:51:LEU:H	1:D:52:ALA:H	6	0.13
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	5	0.13
(1,1246)	1:D:49:SER:H	1:D:50:GLN:H	18	0.13
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD11	18	0.13
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD12	18	0.13
(1,1236)	1:D:45:ASP:H	1:D:60:LEU:HD13	18	0.13
(1,1200)	1:D:32:PHE:H	1:D:34:LYS:H	9	0.13
(1,1182)	1:D:28:ALA:H	1:D:30:HIS:H	10	0.13
(1,118)	1:A:43:ASP:H	1:A:44:LEU:H	7	0.13
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	5	0.13
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	19	0.13
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	9	0.13
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	10	0.13
(1,1159)	1:D:19:LYS:H	1:D:20:ASP:H	14	0.13
(1,115)	1:A:42:LEU:HD21	1:A:43:ASP:H	1	0.13
(1,115)	1:A:42:LEU:HD22	1:A:43:ASP:H	1	0.13
(1,115)	1:A:42:LEU:HD23	1:A:43:ASP:H	1	0.13
(1,1145)	1:D:12:GLN:H	1:D:85:SER:H	11	0.13
(1,1140)	1:D:11:PHE:HD1	1:D:12:GLN:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:D:11:PHE:HD2	1:D:12:GLN:H	5	0.13
(1,1131)	1:C:140:TYR:HE1	1:C:141:LEU:H	11	0.13
(1,1131)	1:C:140:TYR:HE2	1:C:141:LEU:H	11	0.13
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	4	0.13
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	4	0.13
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	4	0.13
(1,1107)	1:C:128:LEU:HD21	1:C:129:ALA:H	11	0.13
(1,1107)	1:C:128:LEU:HD22	1:C:129:ALA:H	11	0.13
(1,1107)	1:C:128:LEU:HD23	1:C:129:ALA:H	11	0.13
(1,1095)	1:C:122:THR:H	1:D:18:THR:H	9	0.13
(1,1095)	1:C:122:THR:H	1:D:18:THR:H	17	0.13
(1,1092)	1:C:121:GLY:H	1:C:123:PHE:H	14	0.13
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	14	0.13
(1,1050)	1:C:99:GLY:H	1:C:102:CYS:H	20	0.13
(1,1038)	1:C:97:CYS:H	1:C:98:LEU:H	6	0.13
(1,1038)	1:C:97:CYS:H	1:C:98:LEU:H	18	0.13
(1,1033)	1:C:95:ALA:H	1:C:98:LEU:H	3	0.13
(1,1016)	1:C:88:GLY:H	1:C:89:ILE:H	20	0.13
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	5	0.12
(2,2)	1:C:40:VAL:O	2:F:290:TRP:NE1	9	0.12
(2,2)	1:C:40:VAL:O	2:F:290:TRP:NE1	18	0.12
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	9	0.12
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	9	0.12
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	9	0.12
(1,998)	1:C:78:VAL:HG11	1:C:79:GLN:H	10	0.12
(1,998)	1:C:78:VAL:HG12	1:C:79:GLN:H	10	0.12
(1,998)	1:C:78:VAL:HG13	1:C:79:GLN:H	10	0.12
(1,97)	1:A:39:GLU:H	1:A:40:VAL:H	8	0.12
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	4	0.12
(1,932)	1:C:59:VAL:H	1:C:60:LEU:H	2	0.12
(1,913)	1:C:56:TYR:H	1:C:85:SER:H	13	0.12
(1,909)	1:C:55:VAL:H	1:C:86:ILE:H	20	0.12
(1,908)	1:C:55:VAL:H	1:C:56:TYR:H	13	0.12
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	2	0.12
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	2	0.12
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	19	0.12
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	19	0.12
(1,854)	1:C:41:LYS:H	1:C:65:THR:H	15	0.12
(1,84)	1:A:32:PHE:H	1:A:33:GLN:H	10	0.12
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	15	0.12
(1,785)	1:C:19:LYS:H	1:C:20:ASP:H	3	0.12
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	9	0.12
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	9	0.12
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	9	0.12
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	9	0.12
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	9	0.12
(1,765)	1:C:14:GLN:H	1:C:15:ARG:H	18	0.12
(1,762)	1:C:12:GLN:H	1:C:13:ILE:H	8	0.12
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	3	0.12
(1,708)	1:B:118:VAL:HG21	1:B:121:GLY:H	6	0.12
(1,708)	1:B:118:VAL:HG22	1:B:121:GLY:H	6	0.12
(1,708)	1:B:118:VAL:HG23	1:B:121:GLY:H	6	0.12
(1,697)	1:B:115:THR:H	1:B:117:MET:H	8	0.12
(1,697)	1:B:115:THR:H	1:B:117:MET:H	18	0.12
(1,696)	1:B:115:THR:H	1:B:116:SER:H	19	0.12
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	10	0.12
(1,69)	1:A:30:HIS:H	1:A:32:PHE:H	3	0.12
(1,682)	1:B:110:ALA:H	1:B:112:GLU:H	4	0.12
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	12	0.12
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	20	0.12
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	1	0.12
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	17	0.12
(1,658)	1:B:97:CYS:H	1:B:99:GLY:H	3	0.12
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD21	9	0.12
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD22	9	0.12
(1,648)	1:B:94:MET:HE1	1:B:98:LEU:HD23	9	0.12
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD21	9	0.12
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD22	9	0.12
(1,648)	1:B:94:MET:HE2	1:B:98:LEU:HD23	9	0.12
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD21	9	0.12
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD22	9	0.12
(1,648)	1:B:94:MET:HE3	1:B:98:LEU:HD23	9	0.12
(1,646)	1:B:94:MET:H	1:B:96:HIS:H	10	0.12
(1,644)	1:B:93:GLN:H	1:B:96:HIS:H	16	0.12
(1,632)	1:B:88:GLY:H	1:B:89:ILE:H	8	0.12
(1,618)	1:B:79:GLN:H	1:B:80:GLN:H	3	0.12
(1,604)	1:B:73:ALA:H	1:B:74:PHE:H	18	0.12
(1,572)	1:B:62:VAL:H	1:B:80:GLN:H	6	0.12
(1,565)	1:B:60:LEU:H	1:B:82:GLY:H	20	0.12
(1,557)	1:B:59:VAL:H	1:B:60:LEU:H	15	0.12
(1,557)	1:B:59:VAL:H	1:B:60:LEU:H	18	0.12
(1,554)	1:B:58:VAL:HG11	1:B:98:LEU:HD11	19	0.12
(1,554)	1:B:58:VAL:HG11	1:B:98:LEU:HD12	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:B:58:VAL:HG11	1:B:98:LEU:HD13	19	0.12
(1,554)	1:B:58:VAL:HG12	1:B:98:LEU:HD11	19	0.12
(1,554)	1:B:58:VAL:HG12	1:B:98:LEU:HD12	19	0.12
(1,554)	1:B:58:VAL:HG12	1:B:98:LEU:HD13	19	0.12
(1,554)	1:B:58:VAL:HG13	1:B:98:LEU:HD11	19	0.12
(1,554)	1:B:58:VAL:HG13	1:B:98:LEU:HD12	19	0.12
(1,554)	1:B:58:VAL:HG13	1:B:98:LEU:HD13	19	0.12
(1,553)	1:B:58:VAL:HG11	1:B:59:VAL:H	11	0.12
(1,553)	1:B:58:VAL:HG12	1:B:59:VAL:H	11	0.12
(1,553)	1:B:58:VAL:HG13	1:B:59:VAL:H	11	0.12
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	7	0.12
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	7	0.12
(1,51)	1:A:23:PHE:HD1	1:A:24:GLU:H	19	0.12
(1,51)	1:A:23:PHE:HD2	1:A:24:GLU:H	19	0.12
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	17	0.12
(1,499)	1:B:44:LEU:HD11	1:B:45:ASP:H	5	0.12
(1,499)	1:B:44:LEU:HD12	1:B:45:ASP:H	5	0.12
(1,499)	1:B:44:LEU:HD13	1:B:45:ASP:H	5	0.12
(1,493)	1:B:43:ASP:H	1:B:44:LEU:H	12	0.12
(1,480)	1:B:39:GLU:H	1:B:69:GLY:H	13	0.12
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD21	4	0.12
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD22	4	0.12
(1,476)	1:B:37:GLN:H	1:B:68:LEU:HD23	4	0.12
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD21	8	0.12
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD22	8	0.12
(1,471)	1:B:35:ASP:H	1:B:68:LEU:HD23	8	0.12
(1,460)	1:B:31:VAL:HG21	1:B:36:TRP:H	11	0.12
(1,460)	1:B:31:VAL:HG22	1:B:36:TRP:H	11	0.12
(1,460)	1:B:31:VAL:HG23	1:B:36:TRP:H	11	0.12
(1,451)	1:B:28:ALA:H	1:B:30:HIS:H	10	0.12
(1,413)	1:B:12:GLN:H	1:B:13:ILE:H	13	0.12
(1,413)	1:B:12:GLN:H	1:B:13:ILE:H	17	0.12
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	9	0.12
(1,396)	1:A:138:MET:H	1:A:141:LEU:H	2	0.12
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	16	0.12
(1,381)	1:A:134:ASP:H	1:A:136:LEU:H	9	0.12
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	7	0.12
(1,360)	1:A:122:THR:H	1:B:18:THR:H	4	0.12
(1,360)	1:A:122:THR:H	1:B:18:THR:H	8	0.12
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	15	0.12
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	17	0.12
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:A:110:ALA:H	1:A:111:ARG:H	15	0.12
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	9	0.12
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	14	0.12
(1,310)	1:A:98:LEU:H	1:A:102:CYS:H	2	0.12
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	1	0.12
(1,305)	1:A:97:CYS:H	1:A:100:ALA:H	20	0.12
(1,301)	1:A:96:HIS:H	1:A:98:LEU:H	7	0.12
(1,290)	1:A:94:MET:H	1:A:95:ALA:H	3	0.12
(1,290)	1:A:94:MET:H	1:A:95:ALA:H	7	0.12
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	18	0.12
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	3	0.12
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	3	0.12
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	3	0.12
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	3	0.12
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	3	0.12
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	3	0.12
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	16	0.12
(1,217)	1:A:66:ALA:H	1:A:67:SER:H	20	0.12
(1,177)	1:A:58:VAL:H	1:A:84:PHE:H	16	0.12
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG21	17	0.12
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG22	17	0.12
(1,1706)	1:C:129:ALA:HB1	2:H:309:THR:HG23	17	0.12
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG21	17	0.12
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG22	17	0.12
(1,1706)	1:C:129:ALA:HB2	2:H:309:THR:HG23	17	0.12
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG21	17	0.12
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG22	17	0.12
(1,1706)	1:C:129:ALA:HB3	2:H:309:THR:HG23	17	0.12
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG21	16	0.12
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG22	16	0.12
(1,1705)	1:C:131:VAL:HG21	2:H:309:THR:HG23	16	0.12
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG21	16	0.12
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG22	16	0.12
(1,1705)	1:C:131:VAL:HG22	2:H:309:THR:HG23	16	0.12
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG21	16	0.12
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG22	16	0.12
(1,1705)	1:C:131:VAL:HG23	2:H:309:THR:HG23	16	0.12
(1,1690)	1:B:98:LEU:HD11	2:H:281:PHE:HZ	7	0.12
(1,1690)	1:B:98:LEU:HD12	2:H:281:PHE:HZ	7	0.12
(1,1690)	1:B:98:LEU:HD13	2:H:281:PHE:HZ	7	0.12
(1,1690)	1:B:98:LEU:HD21	2:H:281:PHE:HZ	7	0.12
(1,1690)	1:B:98:LEU:HD22	2:H:281:PHE:HZ	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:B:98:LEU:HD23	2:H:281:PHE:HZ	7	0.12
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD11	5	0.12
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD12	5	0.12
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD13	5	0.12
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD21	5	0.12
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD22	5	0.12
(1,1684)	1:B:94:MET:HE1	2:H:278:LEU:HD23	5	0.12
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD11	5	0.12
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD12	5	0.12
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD13	5	0.12
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD21	5	0.12
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD22	5	0.12
(1,1684)	1:B:94:MET:HE2	2:H:278:LEU:HD23	5	0.12
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD11	5	0.12
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD12	5	0.12
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD13	5	0.12
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD21	5	0.12
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD22	5	0.12
(1,1684)	1:B:94:MET:HE3	2:H:278:LEU:HD23	5	0.12
(1,1683)	1:B:86:ILE:HD11	2:H:278:LEU:HD11	16	0.12
(1,1683)	1:B:86:ILE:HD11	2:H:278:LEU:HD12	16	0.12
(1,1683)	1:B:86:ILE:HD11	2:H:278:LEU:HD13	16	0.12
(1,1683)	1:B:86:ILE:HD11	2:H:278:LEU:HD21	16	0.12
(1,1683)	1:B:86:ILE:HD11	2:H:278:LEU:HD22	16	0.12
(1,1683)	1:B:86:ILE:HD11	2:H:278:LEU:HD23	16	0.12
(1,1683)	1:B:86:ILE:HD12	2:H:278:LEU:HD11	16	0.12
(1,1683)	1:B:86:ILE:HD12	2:H:278:LEU:HD12	16	0.12
(1,1683)	1:B:86:ILE:HD12	2:H:278:LEU:HD13	16	0.12
(1,1683)	1:B:86:ILE:HD12	2:H:278:LEU:HD21	16	0.12
(1,1683)	1:B:86:ILE:HD12	2:H:278:LEU:HD22	16	0.12
(1,1683)	1:B:86:ILE:HD12	2:H:278:LEU:HD23	16	0.12
(1,1683)	1:B:86:ILE:HD13	2:H:278:LEU:HD11	16	0.12
(1,1683)	1:B:86:ILE:HD13	2:H:278:LEU:HD12	16	0.12
(1,1683)	1:B:86:ILE:HD13	2:H:278:LEU:HD13	16	0.12
(1,1683)	1:B:86:ILE:HD13	2:H:278:LEU:HD21	16	0.12
(1,1683)	1:B:86:ILE:HD13	2:H:278:LEU:HD22	16	0.12
(1,1683)	1:B:86:ILE:HD13	2:H:278:LEU:HD23	16	0.12
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	2	0.12
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	2	0.12
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	2	0.12
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	2	0.12
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	2	0.12
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	11	0.12
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	11	0.12
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	11	0.12
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	11	0.12
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	11	0.12
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	11	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD11	3	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD12	3	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD13	3	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD21	3	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD22	3	0.12
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD23	3	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD11	3	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD12	3	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD13	3	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD21	3	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD22	3	0.12
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD23	3	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD11	3	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD12	3	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD13	3	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD21	3	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD22	3	0.12
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD23	3	0.12
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD11	11	0.12
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD12	11	0.12
(1,1664)	1:B:137:PHE:HZ	2:H:280:LEU:HD13	11	0.12
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG21	14	0.12
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG22	14	0.12
(1,1657)	1:B:133:PHE:HE1	2:H:288:VAL:HG23	14	0.12
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG21	14	0.12
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG22	14	0.12
(1,1657)	1:B:133:PHE:HE2	2:H:288:VAL:HG23	14	0.12
(1,165)	1:A:55:VAL:H	1:A:56:TYR:H	10	0.12
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE1	9	0.12
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE2	9	0.12
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE3	9	0.12
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE1	9	0.12
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE2	9	0.12
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE3	9	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD11	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD12	20	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD13	20	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD21	20	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD22	20	0.12
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD23	20	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD11	20	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD12	20	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD13	20	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD21	20	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD22	20	0.12
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD23	20	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD11	20	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD12	20	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD13	20	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD21	20	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD22	20	0.12
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD23	20	0.12
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD11	11	0.12
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD12	11	0.12
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD13	11	0.12
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD21	11	0.12
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD22	11	0.12
(1,1629)	1:D:89:ILE:HD11	2:G:277:LEU:HD23	11	0.12
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD11	11	0.12
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD12	11	0.12
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD13	11	0.12
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD21	11	0.12
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD22	11	0.12
(1,1629)	1:D:89:ILE:HD12	2:G:277:LEU:HD23	11	0.12
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD11	11	0.12
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD12	11	0.12
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD13	11	0.12
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD21	11	0.12
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD22	11	0.12
(1,1629)	1:D:89:ILE:HD13	2:G:277:LEU:HD23	11	0.12
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	9	0.12
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	9	0.12
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	9	0.12
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	9	0.12
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	9	0.12
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	9	0.12
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	9	0.12
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	9	0.12
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD11	20	0.12
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD12	20	0.12
(1,1626)	1:D:31:VAL:HG11	2:G:301:ILE:HD13	20	0.12
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD11	20	0.12
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD12	20	0.12
(1,1626)	1:D:31:VAL:HG12	2:G:301:ILE:HD13	20	0.12
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD11	20	0.12
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD12	20	0.12
(1,1626)	1:D:31:VAL:HG13	2:G:301:ILE:HD13	20	0.12
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG21	19	0.12
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG22	19	0.12
(1,1617)	1:D:118:VAL:HG11	2:G:296:THR:HG23	19	0.12
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG21	19	0.12
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG22	19	0.12
(1,1617)	1:D:118:VAL:HG12	2:G:296:THR:HG23	19	0.12
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG21	19	0.12
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG22	19	0.12
(1,1617)	1:D:118:VAL:HG13	2:G:296:THR:HG23	19	0.12
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG21	17	0.12
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG22	17	0.12
(1,1616)	1:D:74:PHE:HZ	2:G:296:THR:HG23	17	0.12
(1,1614)	1:D:126:LEU:HD11	2:G:290:TRP:HZ2	6	0.12
(1,1614)	1:D:126:LEU:HD12	2:G:290:TRP:HZ2	6	0.12
(1,1614)	1:D:126:LEU:HD13	2:G:290:TRP:HZ2	6	0.12
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD11	9	0.12
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD12	9	0.12
(1,1596)	1:C:36:TRP:HE3	2:F:301:ILE:HD13	9	0.12
(1,1594)	1:C:128:LEU:HD11	2:F:290:TRP:HE3	2	0.12
(1,1594)	1:C:128:LEU:HD12	2:F:290:TRP:HE3	2	0.12
(1,1594)	1:C:128:LEU:HD13	2:F:290:TRP:HE3	2	0.12
(1,1594)	1:C:128:LEU:HD21	2:F:290:TRP:HE3	2	0.12
(1,1594)	1:C:128:LEU:HD22	2:F:290:TRP:HE3	2	0.12
(1,1594)	1:C:128:LEU:HD23	2:F:290:TRP:HE3	2	0.12
(1,1594)	1:C:128:LEU:HD11	2:F:290:TRP:HE3	7	0.12
(1,1594)	1:C:128:LEU:HD12	2:F:290:TRP:HE3	7	0.12
(1,1594)	1:C:128:LEU:HD13	2:F:290:TRP:HE3	7	0.12
(1,1594)	1:C:128:LEU:HD21	2:F:290:TRP:HE3	7	0.12
(1,1594)	1:C:128:LEU:HD22	2:F:290:TRP:HE3	7	0.12
(1,1594)	1:C:128:LEU:HD23	2:F:290:TRP:HE3	7	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD11	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD12	18	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD13	18	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD11	18	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD12	18	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD13	18	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD11	18	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD12	18	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD13	18	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD11	20	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD12	20	0.12
(1,1588)	1:C:42:LEU:HD11	2:F:291:LEU:HD13	20	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD11	20	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD12	20	0.12
(1,1588)	1:C:42:LEU:HD12	2:F:291:LEU:HD13	20	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD11	20	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD12	20	0.12
(1,1588)	1:C:42:LEU:HD13	2:F:291:LEU:HD13	20	0.12
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	5	0.12
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	5	0.12
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	5	0.12
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	5	0.12
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	5	0.12
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	5	0.12
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	9	0.12
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	9	0.12
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	9	0.12
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	9	0.12
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	9	0.12
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	9	0.12
(1,1584)	1:C:98:LEU:HD11	2:F:281:PHE:HZ	11	0.12
(1,1584)	1:C:98:LEU:HD12	2:F:281:PHE:HZ	11	0.12
(1,1584)	1:C:98:LEU:HD13	2:F:281:PHE:HZ	11	0.12
(1,1584)	1:C:98:LEU:HD21	2:F:281:PHE:HZ	11	0.12
(1,1584)	1:C:98:LEU:HD22	2:F:281:PHE:HZ	11	0.12
(1,1584)	1:C:98:LEU:HD23	2:F:281:PHE:HZ	11	0.12
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD11	1	0.12
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD12	1	0.12
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD13	1	0.12
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD21	1	0.12
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD22	1	0.12
(1,1575)	1:C:87:ALA:HB1	2:F:277:LEU:HD23	1	0.12
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD11	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD12	1	0.12
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD13	1	0.12
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD21	1	0.12
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD22	1	0.12
(1,1575)	1:C:87:ALA:HB2	2:F:277:LEU:HD23	1	0.12
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD11	1	0.12
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD12	1	0.12
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD13	1	0.12
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD21	1	0.12
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD22	1	0.12
(1,1575)	1:C:87:ALA:HB3	2:F:277:LEU:HD23	1	0.12
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD11	1	0.12
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD12	1	0.12
(1,1568)	1:C:32:PHE:HE1	2:F:301:ILE:HD13	1	0.12
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD11	1	0.12
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD12	1	0.12
(1,1568)	1:C:32:PHE:HE2	2:F:301:ILE:HD13	1	0.12
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD11	19	0.12
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD12	19	0.12
(1,1567)	1:C:123:PHE:HE1	2:F:301:ILE:HD13	19	0.12
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD11	19	0.12
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD12	19	0.12
(1,1567)	1:C:123:PHE:HE2	2:F:301:ILE:HD13	19	0.12
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	20	0.12
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	20	0.12
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	20	0.12
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	20	0.12
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	20	0.12
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	20	0.12
(1,155)	1:A:52:ALA:H	1:A:55:VAL:H	10	0.12
(1,1549)	1:C:137:PHE:HD1	2:F:286:MET:HE1	8	0.12
(1,1549)	1:C:137:PHE:HD1	2:F:286:MET:HE2	8	0.12
(1,1549)	1:C:137:PHE:HD1	2:F:286:MET:HE3	8	0.12
(1,1549)	1:C:137:PHE:HD2	2:F:286:MET:HE1	8	0.12
(1,1549)	1:C:137:PHE:HD2	2:F:286:MET:HE2	8	0.12
(1,1549)	1:C:137:PHE:HD2	2:F:286:MET:HE3	8	0.12
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD11	17	0.12
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD12	17	0.12
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD13	17	0.12
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD21	17	0.12
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD22	17	0.12
(1,1529)	1:A:98:LEU:HD11	2:E:280:LEU:HD23	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD11	17	0.12
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD12	17	0.12
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD13	17	0.12
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD21	17	0.12
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD22	17	0.12
(1,1529)	1:A:98:LEU:HD12	2:E:280:LEU:HD23	17	0.12
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD11	17	0.12
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD12	17	0.12
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD13	17	0.12
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD21	17	0.12
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD22	17	0.12
(1,1529)	1:A:98:LEU:HD13	2:E:280:LEU:HD23	17	0.12
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD11	17	0.12
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD12	17	0.12
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD13	17	0.12
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD21	17	0.12
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD22	17	0.12
(1,1529)	1:A:98:LEU:HD21	2:E:280:LEU:HD23	17	0.12
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD11	17	0.12
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD12	17	0.12
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD13	17	0.12
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD21	17	0.12
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD22	17	0.12
(1,1529)	1:A:98:LEU:HD22	2:E:280:LEU:HD23	17	0.12
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD11	17	0.12
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD12	17	0.12
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD13	17	0.12
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD21	17	0.12
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD22	17	0.12
(1,1529)	1:A:98:LEU:HD23	2:E:280:LEU:HD23	17	0.12
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD11	13	0.12
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD12	13	0.12
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD13	13	0.12
(1,1482)	1:D:136:LEU:H	1:D:137:PHE:H	18	0.12
(1,1464)	1:D:131:VAL:H	1:D:133:PHE:H	20	0.12
(1,1458)	1:D:126:LEU:H	1:D:127:ASN:H	1	0.12
(1,1434)	1:D:113:CYS:H	1:D:116:SER:H	12	0.12
(1,143)	1:A:49:SER:H	1:A:58:VAL:H	12	0.12
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	5	0.12
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	12	0.12
(1,1414)	1:D:100:ALA:H	1:D:102:CYS:H	10	0.12
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:D:92:THR:H	1:D:94:MET:H	20	0.12
(1,1383)	1:D:92:THR:H	1:D:93:GLN:H	18	0.12
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	2	0.12
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	10	0.12
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	18	0.12
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD21	2	0.12
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD22	2	0.12
(1,1345)	1:D:74:PHE:H	1:D:75:LEU:HD23	2	0.12
(1,1216)	1:D:39:GLU:H	1:D:68:LEU:H	8	0.12
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	19	0.12
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	19	0.12
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	19	0.12
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	19	0.12
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	19	0.12
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	19	0.12
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	19	0.12
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	19	0.12
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	19	0.12
(1,1183)	1:D:28:ALA:H	1:D:31:VAL:H	14	0.12
(1,1176)	1:D:24:GLU:H	1:D:75:LEU:H	19	0.12
(1,1167)	1:D:22:SER:H	1:D:77:GLU:H	7	0.12
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	11	0.12
(1,1147)	1:D:14:GLN:H	1:D:15:ARG:H	4	0.12
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	14	0.12
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	1	0.12
(1,1052)	1:C:100:ALA:H	1:C:102:CYS:H	18	0.12
(1,1038)	1:C:97:CYS:H	1:C:98:LEU:H	7	0.12
(1,1036)	1:C:96:HIS:H	1:C:98:LEU:H	14	0.12
(2,4)	1:B:40:VAL:O	2:H:290:TRP:NE1	2	0.11
(1,954)	1:C:64:VAL:H	1:C:76:CYS:H	19	0.11
(1,951)	1:C:64:VAL:H	1:C:65:THR:H	18	0.11
(1,944)	1:C:62:VAL:H	1:C:78:VAL:H	3	0.11
(1,932)	1:C:59:VAL:H	1:C:60:LEU:H	18	0.11
(1,87)	1:A:32:PHE:HD1	1:A:36:TRP:HZ3	13	0.11
(1,87)	1:A:32:PHE:HD2	1:A:36:TRP:HZ3	13	0.11
(1,869)	1:C:44:LEU:H	1:C:63:THR:H	16	0.11
(1,86)	1:A:32:PHE:HD1	1:A:33:GLN:H	15	0.11
(1,86)	1:A:32:PHE:HD2	1:A:33:GLN:H	15	0.11
(1,84)	1:A:32:PHE:H	1:A:33:GLN:H	2	0.11
(1,836)	1:C:34:LYS:H	1:C:36:TRP:HZ3	4	0.11
(1,811)	1:C:25:ALA:H	1:D:21:ILE:H	16	0.11
(1,801)	1:C:23:PHE:H	1:C:24:GLU:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB1	3	0.11
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB2	3	0.11
(1,779)	1:C:17:TYR:HE1	1:D:28:ALA:HB3	3	0.11
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB1	3	0.11
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB2	3	0.11
(1,779)	1:C:17:TYR:HE2	1:D:28:ALA:HB3	3	0.11
(1,768)	1:C:14:GLN:H	1:C:85:SER:H	14	0.11
(1,758)	1:C:11:PHE:HE1	1:C:12:GLN:H	9	0.11
(1,758)	1:C:11:PHE:HE2	1:C:12:GLN:H	9	0.11
(1,73)	1:A:31:VAL:H	1:A:34:LYS:H	12	0.11
(1,729)	1:B:133:PHE:H	1:B:135:ALA:H	1	0.11
(1,718)	1:B:126:LEU:HD21	1:B:127:ASN:H	15	0.11
(1,718)	1:B:126:LEU:HD22	1:B:127:ASN:H	15	0.11
(1,718)	1:B:126:LEU:HD23	1:B:127:ASN:H	15	0.11
(1,698)	1:B:116:SER:H	1:B:117:MET:H	3	0.11
(1,697)	1:B:115:THR:H	1:B:117:MET:H	14	0.11
(1,696)	1:B:115:THR:H	1:B:116:SER:H	2	0.11
(1,691)	1:B:113:CYS:H	1:B:115:THR:H	3	0.11
(1,682)	1:B:110:ALA:H	1:B:112:GLU:H	7	0.11
(1,681)	1:B:110:ALA:H	1:B:111:ARG:H	1	0.11
(1,670)	1:B:100:ALA:H	1:B:101:TYR:H	18	0.11
(1,668)	1:B:99:GLY:H	1:B:101:TYR:H	11	0.11
(1,666)	1:B:99:GLY:H	1:B:100:ALA:H	6	0.11
(1,657)	1:B:97:CYS:H	1:B:98:LEU:H	7	0.11
(1,657)	1:B:97:CYS:H	1:B:98:LEU:H	20	0.11
(1,655)	1:B:96:HIS:H	1:B:98:LEU:H	19	0.11
(1,640)	1:B:92:THR:H	1:B:94:MET:H	1	0.11
(1,640)	1:B:92:THR:H	1:B:94:MET:H	15	0.11
(1,630)	1:B:87:ALA:H	1:B:89:ILE:H	15	0.11
(1,597)	1:B:68:LEU:H	1:B:74:PHE:H	2	0.11
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB1	3	0.11
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB2	3	0.11
(1,596)	1:B:68:LEU:H	1:B:73:ALA:HB3	3	0.11
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	3	0.11
(1,586)	1:B:66:ALA:H	1:B:76:CYS:H	15	0.11
(1,553)	1:B:58:VAL:HG11	1:B:59:VAL:H	16	0.11
(1,553)	1:B:58:VAL:HG12	1:B:59:VAL:H	16	0.11
(1,553)	1:B:58:VAL:HG13	1:B:59:VAL:H	16	0.11
(1,53)	1:A:23:PHE:HE1	1:A:24:GLU:H	13	0.11
(1,53)	1:A:23:PHE:HE2	1:A:24:GLU:H	13	0.11
(1,508)	1:B:47:ALA:H	1:B:48:SER:H	6	0.11
(1,506)	1:B:45:ASP:H	1:B:63:THR:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:B:42:LEU:HD11	1:B:128:LEU:HD11	10	0.11
(1,489)	1:B:42:LEU:HD11	1:B:128:LEU:HD12	10	0.11
(1,489)	1:B:42:LEU:HD11	1:B:128:LEU:HD13	10	0.11
(1,489)	1:B:42:LEU:HD12	1:B:128:LEU:HD11	10	0.11
(1,489)	1:B:42:LEU:HD12	1:B:128:LEU:HD12	10	0.11
(1,489)	1:B:42:LEU:HD12	1:B:128:LEU:HD13	10	0.11
(1,489)	1:B:42:LEU:HD13	1:B:128:LEU:HD11	10	0.11
(1,489)	1:B:42:LEU:HD13	1:B:128:LEU:HD12	10	0.11
(1,489)	1:B:42:LEU:HD13	1:B:128:LEU:HD13	10	0.11
(1,468)	1:B:34:LYS:H	1:B:35:ASP:H	1	0.11
(1,462)	1:B:31:VAL:HG21	1:B:123:PHE:HE1	15	0.11
(1,462)	1:B:31:VAL:HG21	1:B:123:PHE:HE2	15	0.11
(1,462)	1:B:31:VAL:HG22	1:B:123:PHE:HE1	15	0.11
(1,462)	1:B:31:VAL:HG22	1:B:123:PHE:HE2	15	0.11
(1,462)	1:B:31:VAL:HG23	1:B:123:PHE:HE1	15	0.11
(1,462)	1:B:31:VAL:HG23	1:B:123:PHE:HE2	15	0.11
(1,455)	1:B:31:VAL:H	1:B:32:PHE:H	19	0.11
(1,450)	1:B:27:ASN:H	1:B:28:ALA:H	4	0.11
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB1	2	0.11
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB2	2	0.11
(1,449)	1:B:25:ALA:HB1	1:B:28:ALA:HB3	2	0.11
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB1	2	0.11
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB2	2	0.11
(1,449)	1:B:25:ALA:HB2	1:B:28:ALA:HB3	2	0.11
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB1	2	0.11
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB2	2	0.11
(1,449)	1:B:25:ALA:HB3	1:B:28:ALA:HB3	2	0.11
(1,421)	1:B:15:ARG:H	1:B:83:ILE:H	5	0.11
(1,418)	1:B:14:GLN:H	1:B:83:ILE:H	5	0.11
(1,417)	1:B:14:GLN:H	1:B:15:ARG:H	20	0.11
(1,410)	1:B:11:PHE:HD1	1:B:12:GLN:H	12	0.11
(1,410)	1:B:11:PHE:HD2	1:B:12:GLN:H	12	0.11
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	7	0.11
(1,40)	1:A:21:ILE:H	1:A:22:SER:H	14	0.11
(1,395)	1:A:138:MET:H	1:A:140:TYR:H	19	0.11
(1,392)	1:A:137:PHE:H	1:A:140:TYR:H	15	0.11
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	1	0.11
(1,390)	1:A:137:PHE:H	1:A:138:MET:H	6	0.11
(1,378)	1:A:133:PHE:H	1:A:136:LEU:H	11	0.11
(1,377)	1:A:133:PHE:H	1:A:135:ALA:H	14	0.11
(1,370)	1:A:128:LEU:HD21	1:A:129:ALA:H	8	0.11
(1,370)	1:A:128:LEU:HD22	1:A:129:ALA:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:A:128:LEU:HD23	1:A:129:ALA:H	8	0.11
(1,35)	1:A:19:LYS:H	1:A:80:GLN:H	7	0.11
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	5	0.11
(1,332)	1:A:112:GLU:H	1:A:113:CYS:H	16	0.11
(1,322)	1:A:109:TYR:H	1:A:111:ARG:H	4	0.11
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	3	0.11
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	7	0.11
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	16	0.11
(1,32)	1:A:19:LYS:H	1:A:20:ASP:H	20	0.11
(1,309)	1:A:98:LEU:H	1:A:101:TYR:H	12	0.11
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	13	0.11
(1,307)	1:A:98:LEU:H	1:A:99:GLY:H	14	0.11
(1,3)	1:A:10:THR:H	1:A:87:ALA:H	5	0.11
(1,297)	1:A:95:ALA:H	1:A:98:LEU:H	10	0.11
(1,285)	1:A:92:THR:H	1:A:94:MET:H	10	0.11
(1,285)	1:A:92:THR:H	1:A:94:MET:H	13	0.11
(1,275)	1:A:87:ALA:H	1:A:89:ILE:H	19	0.11
(1,272)	1:A:85:SER:H	1:A:86:ILE:H	11	0.11
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB1	2	0.11
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB2	2	0.11
(1,27)	1:A:17:TYR:HE1	1:B:28:ALA:HB3	2	0.11
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB1	2	0.11
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB2	2	0.11
(1,27)	1:A:17:TYR:HE2	1:B:28:ALA:HB3	2	0.11
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	6	0.11
(1,263)	1:A:79:GLN:H	1:A:80:GLN:H	12	0.11
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE1	1	0.11
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE2	1	0.11
(1,256)	1:A:77:GLU:H	1:A:117:MET:HE3	1	0.11
(1,24)	1:A:17:TYR:H	1:A:81:GLY:H	20	0.11
(1,230)	1:A:68:LEU:H	1:A:70:GLU:H	6	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	7	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	7	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	7	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	7	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	7	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	7	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	7	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	7	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	7	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	10	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	10	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	10	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	10	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	10	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	10	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	10	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	10	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	14	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	14	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	14	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	14	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	14	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	14	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	14	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	14	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	14	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD21	20	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD22	20	0.11
(1,212)	1:A:64:VAL:HG11	1:A:126:LEU:HD23	20	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD21	20	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD22	20	0.11
(1,212)	1:A:64:VAL:HG12	1:A:126:LEU:HD23	20	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD21	20	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD22	20	0.11
(1,212)	1:A:64:VAL:HG13	1:A:126:LEU:HD23	20	0.11
(1,198)	1:A:62:VAL:H	1:A:63:THR:H	11	0.11
(1,198)	1:A:62:VAL:H	1:A:63:THR:H	17	0.11
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD11	10	0.11
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD12	10	0.11
(1,1702)	1:B:36:TRP:HE3	2:H:301:ILE:HD13	10	0.11
(1,1700)	1:B:128:LEU:HD11	2:H:290:TRP:HE3	12	0.11
(1,1700)	1:B:128:LEU:HD12	2:H:290:TRP:HE3	12	0.11
(1,1700)	1:B:128:LEU:HD13	2:H:290:TRP:HE3	12	0.11
(1,1700)	1:B:128:LEU:HD21	2:H:290:TRP:HE3	12	0.11
(1,1700)	1:B:128:LEU:HD22	2:H:290:TRP:HE3	12	0.11
(1,1700)	1:B:128:LEU:HD23	2:H:290:TRP:HE3	12	0.11
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD11	20	0.11
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD12	20	0.11
(1,1679)	1:B:31:VAL:HG11	2:H:301:ILE:HD13	20	0.11
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD11	20	0.11
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD12	20	0.11
(1,1679)	1:B:31:VAL:HG12	2:H:301:ILE:HD13	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD11	20	0.11
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD12	20	0.11
(1,1679)	1:B:31:VAL:HG13	2:H:301:ILE:HD13	20	0.11
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD11	9	0.11
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD12	9	0.11
(1,1675)	1:B:36:TRP:HH2	2:H:301:ILE:HD13	9	0.11
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	1	0.11
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	1	0.11
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	1	0.11
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	1	0.11
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	1	0.11
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	1	0.11
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD11	14	0.11
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD12	14	0.11
(1,1673)	1:B:123:PHE:HE1	2:H:301:ILE:HD13	14	0.11
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD11	14	0.11
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD12	14	0.11
(1,1673)	1:B:123:PHE:HE2	2:H:301:ILE:HD13	14	0.11
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	6	0.11
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	6	0.11
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	6	0.11
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	6	0.11
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	6	0.11
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	6	0.11
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD1	8	0.11
(1,1671)	1:B:68:LEU:HD21	2:H:297:TYR:HD2	8	0.11
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD1	8	0.11
(1,1671)	1:B:68:LEU:HD22	2:H:297:TYR:HD2	8	0.11
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD1	8	0.11
(1,1671)	1:B:68:LEU:HD23	2:H:297:TYR:HD2	8	0.11
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD11	5	0.11
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD12	5	0.11
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD13	5	0.11
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD21	5	0.11
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD22	5	0.11
(1,1665)	1:B:58:VAL:HG21	2:H:278:LEU:HD23	5	0.11
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD11	5	0.11
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD12	5	0.11
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD13	5	0.11
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD21	5	0.11
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD22	5	0.11
(1,1665)	1:B:58:VAL:HG22	2:H:278:LEU:HD23	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD11	5	0.11
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD12	5	0.11
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD13	5	0.11
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD21	5	0.11
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD22	5	0.11
(1,1665)	1:B:58:VAL:HG23	2:H:278:LEU:HD23	5	0.11
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD1	8	0.11
(1,166)	1:A:55:VAL:H	1:A:56:TYR:HD2	8	0.11
(1,1659)	1:B:60:LEU:HD21	2:H:281:PHE:HZ	16	0.11
(1,1659)	1:B:60:LEU:HD22	2:H:281:PHE:HZ	16	0.11
(1,1659)	1:B:60:LEU:HD23	2:H:281:PHE:HZ	16	0.11
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	7	0.11
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	7	0.11
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	7	0.11
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	7	0.11
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	7	0.11
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	7	0.11
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	7	0.11
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	7	0.11
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	7	0.11
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG21	19	0.11
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG22	19	0.11
(1,1652)	1:A:131:VAL:HG21	2:G:309:THR:HG23	19	0.11
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG21	19	0.11
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG22	19	0.11
(1,1652)	1:A:131:VAL:HG22	2:G:309:THR:HG23	19	0.11
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG21	19	0.11
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG22	19	0.11
(1,1652)	1:A:131:VAL:HG23	2:G:309:THR:HG23	19	0.11
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD11	19	0.11
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD12	19	0.11
(1,1649)	1:D:36:TRP:HE3	2:G:301:ILE:HD13	19	0.11
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE1	13	0.11
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE2	13	0.11
(1,1643)	1:D:133:PHE:HE1	2:G:286:MET:HE3	13	0.11
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE1	13	0.11
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE2	13	0.11
(1,1643)	1:D:133:PHE:HE2	2:G:286:MET:HE3	13	0.11
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD11	13	0.11
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD12	13	0.11
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD13	13	0.11
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD21	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD22	13	0.11
(1,1631)	1:D:94:MET:HE1	2:G:278:LEU:HD23	13	0.11
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD11	13	0.11
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD12	13	0.11
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD13	13	0.11
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD21	13	0.11
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD22	13	0.11
(1,1631)	1:D:94:MET:HE2	2:G:278:LEU:HD23	13	0.11
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD11	13	0.11
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD12	13	0.11
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD13	13	0.11
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD21	13	0.11
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD22	13	0.11
(1,1631)	1:D:94:MET:HE3	2:G:278:LEU:HD23	13	0.11
(1,1614)	1:D:126:LEU:HD11	2:G:290:TRP:HZ2	18	0.11
(1,1614)	1:D:126:LEU:HD12	2:G:290:TRP:HZ2	18	0.11
(1,1614)	1:D:126:LEU:HD13	2:G:290:TRP:HZ2	18	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG21	1	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG22	1	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG23	1	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG21	1	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG22	1	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG23	1	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG21	1	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG22	1	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG23	1	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG21	11	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG22	11	0.11
(1,1600)	1:B:129:ALA:HB1	2:F:309:THR:HG23	11	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG21	11	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG22	11	0.11
(1,1600)	1:B:129:ALA:HB2	2:F:309:THR:HG23	11	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG21	11	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG22	11	0.11
(1,1600)	1:B:129:ALA:HB3	2:F:309:THR:HG23	11	0.11
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD11	9	0.11
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD12	9	0.11
(1,1585)	1:C:128:LEU:HD11	2:F:291:LEU:HD13	9	0.11
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD11	9	0.11
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD12	9	0.11
(1,1585)	1:C:128:LEU:HD12	2:F:291:LEU:HD13	9	0.11
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD11	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD12	9	0.11
(1,1585)	1:C:128:LEU:HD13	2:F:291:LEU:HD13	9	0.11
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD1	1	0.11
(1,1565)	1:C:68:LEU:HD21	2:F:297:TYR:HD2	1	0.11
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD1	1	0.11
(1,1565)	1:C:68:LEU:HD22	2:F:297:TYR:HD2	1	0.11
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD1	1	0.11
(1,1565)	1:C:68:LEU:HD23	2:F:297:TYR:HD2	1	0.11
(1,1560)	1:C:129:ALA:HB1	2:F:290:TRP:HZ3	19	0.11
(1,1560)	1:C:129:ALA:HB2	2:F:290:TRP:HZ3	19	0.11
(1,1560)	1:C:129:ALA:HB3	2:F:290:TRP:HZ3	19	0.11
(1,1551)	1:C:133:PHE:HE1	2:F:288:VAL:HG21	8	0.11
(1,1551)	1:C:133:PHE:HE1	2:F:288:VAL:HG22	8	0.11
(1,1551)	1:C:133:PHE:HE1	2:F:288:VAL:HG23	8	0.11
(1,1551)	1:C:133:PHE:HE2	2:F:288:VAL:HG21	8	0.11
(1,1551)	1:C:133:PHE:HE2	2:F:288:VAL:HG22	8	0.11
(1,1551)	1:C:133:PHE:HE2	2:F:288:VAL:HG23	8	0.11
(1,1541)	1:A:128:LEU:HD11	2:E:290:TRP:HE3	9	0.11
(1,1541)	1:A:128:LEU:HD12	2:E:290:TRP:HE3	9	0.11
(1,1541)	1:A:128:LEU:HD13	2:E:290:TRP:HE3	9	0.11
(1,1541)	1:A:128:LEU:HD21	2:E:290:TRP:HE3	9	0.11
(1,1541)	1:A:128:LEU:HD22	2:E:290:TRP:HE3	9	0.11
(1,1541)	1:A:128:LEU:HD23	2:E:290:TRP:HE3	9	0.11
(1,1533)	1:A:131:VAL:HG21	2:E:291:LEU:HD11	20	0.11
(1,1533)	1:A:131:VAL:HG21	2:E:291:LEU:HD12	20	0.11
(1,1533)	1:A:131:VAL:HG21	2:E:291:LEU:HD13	20	0.11
(1,1533)	1:A:131:VAL:HG22	2:E:291:LEU:HD11	20	0.11
(1,1533)	1:A:131:VAL:HG22	2:E:291:LEU:HD12	20	0.11
(1,1533)	1:A:131:VAL:HG22	2:E:291:LEU:HD13	20	0.11
(1,1533)	1:A:131:VAL:HG23	2:E:291:LEU:HD11	20	0.11
(1,1533)	1:A:131:VAL:HG23	2:E:291:LEU:HD12	20	0.11
(1,1533)	1:A:131:VAL:HG23	2:E:291:LEU:HD13	20	0.11
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD11	16	0.11
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD12	16	0.11
(1,1520)	1:A:31:VAL:HG11	2:E:301:ILE:HD13	16	0.11
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD11	16	0.11
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD12	16	0.11
(1,1520)	1:A:31:VAL:HG12	2:E:301:ILE:HD13	16	0.11
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD11	16	0.11
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD12	16	0.11
(1,1520)	1:A:31:VAL:HG13	2:E:301:ILE:HD13	16	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG11	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG12	13	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG13	13	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG11	13	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG12	13	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG13	13	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG11	13	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG12	13	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG13	13	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG11	16	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG12	16	0.11
(1,1518)	1:A:129:ALA:HB1	2:E:288:VAL:HG13	16	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG11	16	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG12	16	0.11
(1,1518)	1:A:129:ALA:HB2	2:E:288:VAL:HG13	16	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG11	16	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG12	16	0.11
(1,1518)	1:A:129:ALA:HB3	2:E:288:VAL:HG13	16	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD11	4	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD12	4	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD13	4	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD11	9	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD12	9	0.11
(1,1505)	1:A:137:PHE:HZ	2:E:280:LEU:HD13	9	0.11
(1,1504)	1:A:106:LEU:HD11	2:E:281:PHE:HZ	14	0.11
(1,1504)	1:A:106:LEU:HD12	2:E:281:PHE:HZ	14	0.11
(1,1504)	1:A:106:LEU:HD13	2:E:281:PHE:HZ	14	0.11
(1,15)	1:A:14:GLN:H	1:A:15:ARG:H	13	0.11
(1,1475)	1:D:135:ALA:H	1:D:136:LEU:H	20	0.11
(1,1469)	1:D:133:PHE:H	1:D:135:ALA:H	7	0.11
(1,1455)	1:D:121:GLY:H	1:D:123:PHE:H	11	0.11
(1,1424)	1:D:110:ALA:H	1:D:111:ARG:H	7	0.11
(1,1392)	1:D:94:MET:HE1	1:D:95:ALA:H	11	0.11
(1,1392)	1:D:94:MET:HE2	1:D:95:ALA:H	11	0.11
(1,1392)	1:D:94:MET:HE3	1:D:95:ALA:H	11	0.11
(1,1390)	1:D:94:MET:H	1:D:96:HIS:H	15	0.11
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	8	0.11
(1,1373)	1:D:87:ALA:H	1:D:88:GLY:H	15	0.11
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	8	0.11
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	15	0.11
(1,1362)	1:D:79:GLN:H	1:D:80:GLN:H	16	0.11
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	10	0.11
(1,1325)	1:D:68:LEU:H	1:D:69:GLY:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:D:64:VAL:H	1:D:65:THR:H	4	0.11
(1,1248)	1:D:49:SER:H	1:D:59:VAL:H	1	0.11
(1,1212)	1:D:36:TRP:HE3	1:D:37:GLN:H	1	0.11
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD11	8	0.11
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD12	8	0.11
(1,1210)	1:D:36:TRP:H	1:D:68:LEU:HD13	8	0.11
(1,120)	1:A:43:ASP:H	1:A:65:THR:H	7	0.11
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD11	20	0.11
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD12	20	0.11
(1,1192)	1:D:31:VAL:HG11	1:D:68:LEU:HD13	20	0.11
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD11	20	0.11
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD12	20	0.11
(1,1192)	1:D:31:VAL:HG12	1:D:68:LEU:HD13	20	0.11
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD11	20	0.11
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD12	20	0.11
(1,1192)	1:D:31:VAL:HG13	1:D:68:LEU:HD13	20	0.11
(1,1185)	1:D:30:HIS:H	1:D:31:VAL:H	8	0.11
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB1	20	0.11
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB2	20	0.11
(1,1179)	1:D:25:ALA:HB1	1:D:28:ALA:HB3	20	0.11
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB1	20	0.11
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB2	20	0.11
(1,1179)	1:D:25:ALA:HB2	1:D:28:ALA:HB3	20	0.11
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB1	20	0.11
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB2	20	0.11
(1,1179)	1:D:25:ALA:HB3	1:D:28:ALA:HB3	20	0.11
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	3	0.11
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	4	0.11
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	8	0.11
(1,1161)	1:D:19:LYS:H	1:D:80:GLN:H	11	0.11
(1,1155)	1:D:17:TYR:H	1:D:81:GLY:H	3	0.11
(1,1148)	1:D:14:GLN:H	1:D:83:ILE:H	3	0.11
(1,1136)	1:D:10:THR:H	1:D:87:ALA:H	10	0.11
(1,1118)	1:C:135:ALA:H	1:C:138:MET:H	19	0.11
(1,1104)	1:C:128:LEU:HD11	1:C:129:ALA:H	5	0.11
(1,1104)	1:C:128:LEU:HD12	1:C:129:ALA:H	5	0.11
(1,1104)	1:C:128:LEU:HD13	1:C:129:ALA:H	5	0.11
(1,1097)	1:C:126:LEU:H	1:C:127:ASN:H	14	0.11
(1,1090)	1:C:119:SER:H	1:C:123:PHE:H	5	0.11
(1,1082)	1:C:117:MET:H	1:C:119:SER:H	16	0.11
(1,1060)	1:C:110:ALA:H	1:C:111:ARG:H	17	0.11
(1,1046)	1:C:98:LEU:HD11	1:C:99:GLY:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:C:98:LEU:HD12	1:C:99:GLY:H	9	0.11
(1,1046)	1:C:98:LEU:HD13	1:C:99:GLY:H	9	0.11
(1,1043)	1:C:98:LEU:H	1:C:100:ALA:H	17	0.11
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD21	10	0.11
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD22	10	0.11
(1,104)	1:A:40:VAL:HG11	1:A:126:LEU:HD23	10	0.11
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD21	10	0.11
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD22	10	0.11
(1,104)	1:A:40:VAL:HG12	1:A:126:LEU:HD23	10	0.11
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD21	10	0.11
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD22	10	0.11
(1,104)	1:A:40:VAL:HG13	1:A:126:LEU:HD23	10	0.11
(1,1033)	1:C:95:ALA:H	1:C:98:LEU:H	6	0.11
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	5	0.11
(1,1023)	1:C:92:THR:H	1:C:93:GLN:H	14	0.11
(1,1022)	1:C:91:GLY:H	1:C:95:ALA:H	13	0.11
(1,1019)	1:C:90:GLU:H	1:C:94:MET:H	9	0.11
(1,1014)	1:C:87:ALA:H	1:C:89:ILE:H	9	0.11
(1,1007)	1:C:82:GLY:H	1:C:83:ILE:H	19	0.11

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

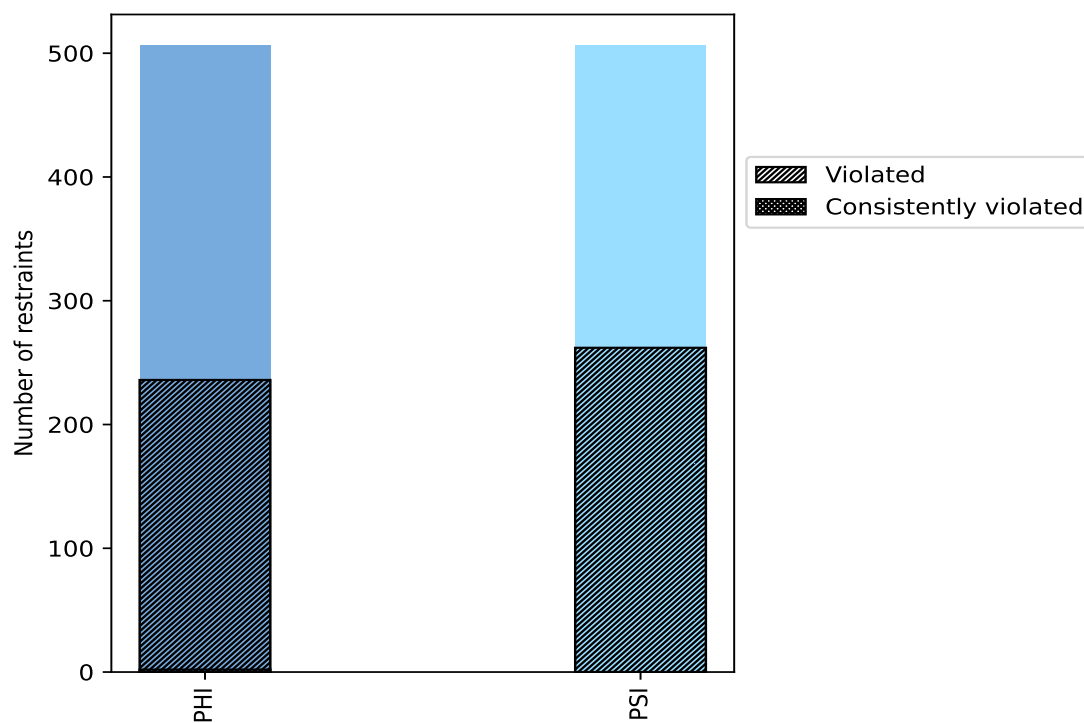
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	506	50.0	236	46.6	23.3	2	0.4	0.2
PSI	506	50.0	262	51.8	25.9	0	0.0	0.0
Total	1012	100.0	498	49.2	49.2	2	0.2	0.2

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](#)



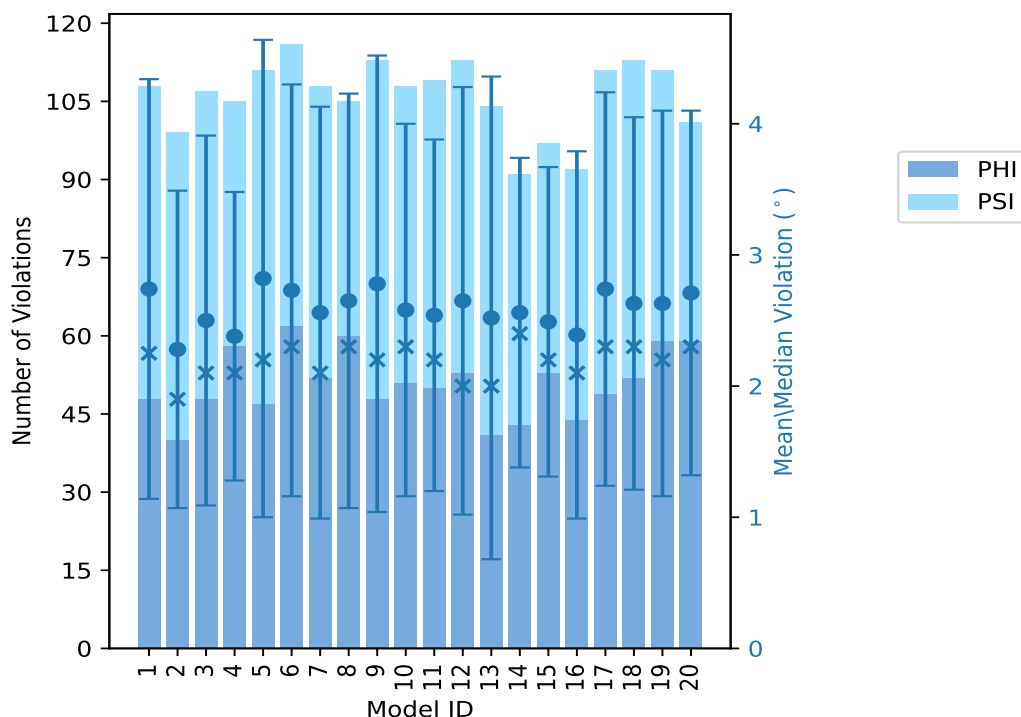
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model [i](#)

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	48	60	108	2.74	10.3	1.6	2.25
2	40	59	99	2.28	7.9	1.21	1.9
3	48	59	107	2.5	9.9	1.41	2.1
4	58	47	105	2.38	6.3	1.1	2.1
5	47	64	111	2.82	10.4	1.82	2.2
6	62	54	116	2.73	11.0	1.57	2.3
7	52	56	108	2.56	8.5	1.57	2.1
8	60	45	105	2.65	8.9	1.58	2.3
9	48	65	113	2.78	12.0	1.74	2.2
10	51	57	108	2.58	8.9	1.42	2.3
11	50	59	109	2.54	9.8	1.34	2.2
12	53	60	113	2.65	10.1	1.63	2.0
13	41	63	104	2.52	11.7	1.84	2.0
14	43	48	91	2.56	6.0	1.18	2.4
15	53	44	97	2.49	6.3	1.18	2.2
16	44	48	92	2.39	8.4	1.4	2.1
17	49	62	111	2.74	8.7	1.5	2.3
18	52	61	113	2.63	8.4	1.42	2.3
19	59	52	111	2.63	9.6	1.47	2.2
20	59	42	101	2.71	8.1	1.39	2.3

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	%
59	80	139	1	5.0
54	35	89	2	10.0
30	36	66	3	15.0
22	23	45	4	20.0
13	12	25	5	25.0
8	19	27	6	30.0
7	12	19	7	35.0
4	11	15	8	40.0
7	5	12	9	45.0
6	4	10	10	50.0
4	9	13	11	55.0

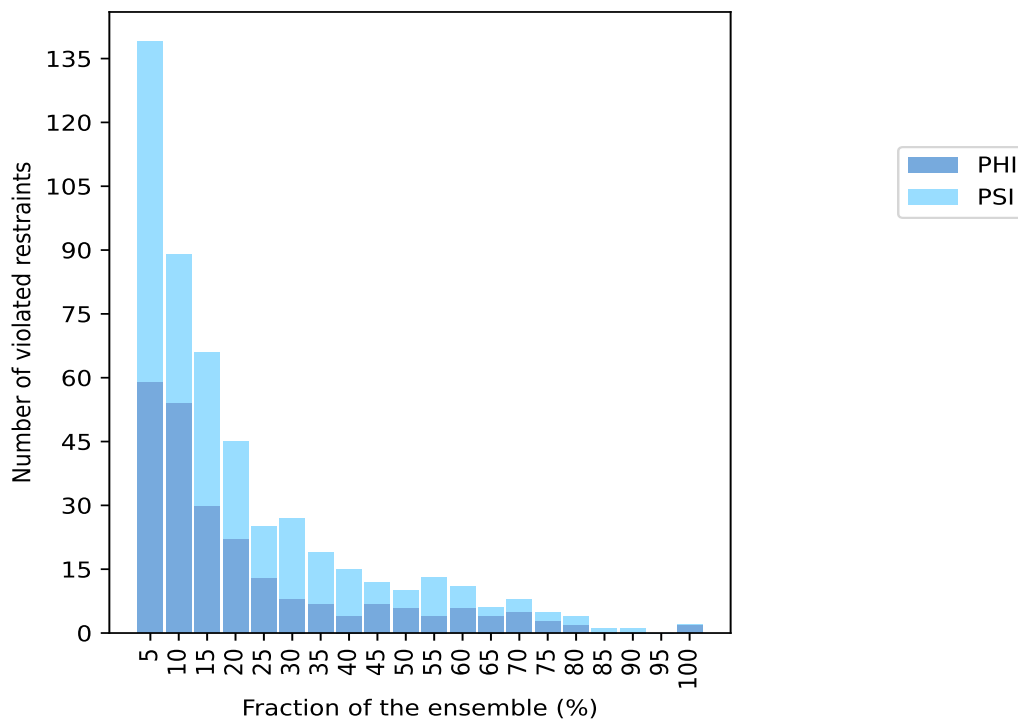
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
6	5	11	12	60.0
4	2	6	13	65.0
5	3	8	14	70.0
3	2	5	15	75.0
2	2	4	16	80.0
0	1	1	17	85.0
0	1	1	18	90.0
0	0	0	19	95.0
2	0	2	20	100.0

¹ Number of models with violations

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

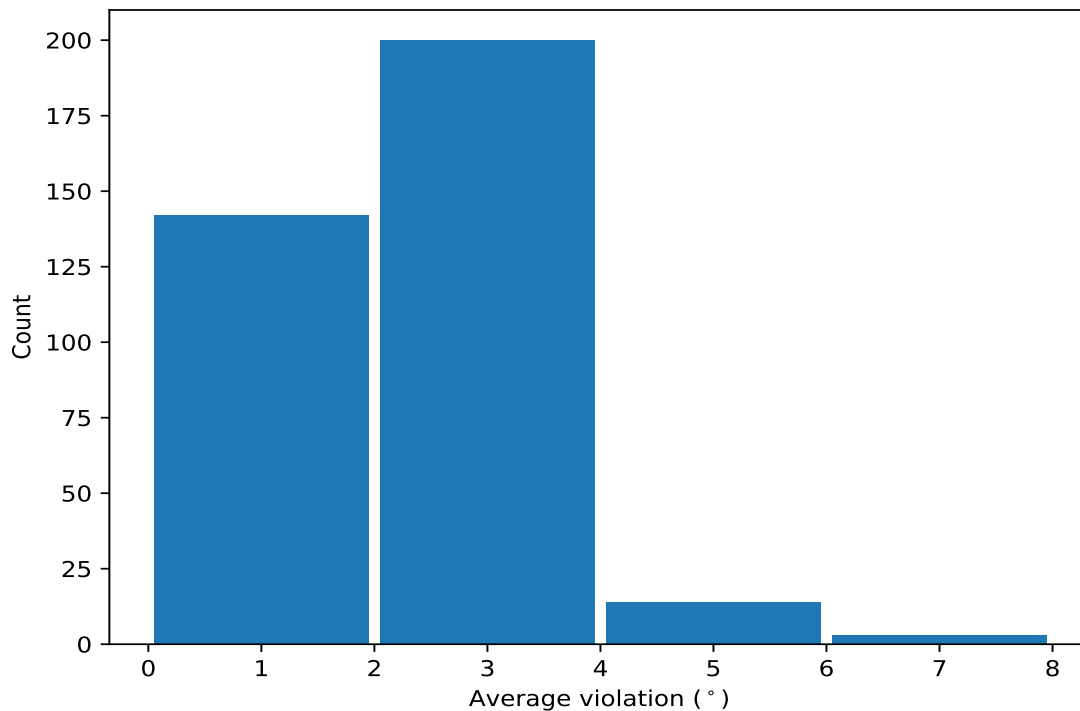


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	20	6.86	2.32	7.8
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	20	3.04	1.29	2.85
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	18	3.78	1.32	3.7
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	17	4.88	1.84	5.1
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	16	6.32	2.68	5.95
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	16	3.78	2.0	3.4
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	16	2.33	0.8	2.25
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	16	2.32	0.93	1.9
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	15	3.77	1.61	3.4
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	15	3.75	2.16	3.3
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	15	3.09	1.37	3.2
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	15	2.65	1.54	2.0
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	15	2.55	1.08	2.4
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	14	4.93	1.93	4.5
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	14	4.48	1.89	4.95
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	14	4.0	3.15	2.9
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	14	2.98	1.8	2.35
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	14	2.91	1.07	2.95
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	14	2.76	0.68	2.7
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	14	2.39	1.12	2.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	14	2.11	0.64	1.85
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	13	3.68	1.18	3.4
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	13	2.72	1.4	2.4
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	13	2.59	0.98	2.5
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	13	2.42	0.75	2.5
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	13	2.16	0.5	2.2
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	13	1.91	0.65	1.7
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	12	4.18	1.81	3.9
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	12	3.33	1.71	2.8
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	12	3.13	1.08	3.0
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	12	3.04	1.22	3.35
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	12	2.7	0.74	2.75
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	12	2.67	0.69	2.7
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	12	2.56	1.01	2.25
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	12	2.33	0.79	2.5
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	12	2.07	0.68	1.95
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	12	1.83	0.49	1.7
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	12	1.81	0.55	1.7
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	11	6.59	2.78	7.1
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	11	3.63	2.44	2.8
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	11	3.52	1.15	3.5
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	11	3.3	1.12	3.0
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	11	3.16	1.24	3.1
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	11	3.08	1.11	3.3
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	11	3.03	1.08	3.0
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	11	2.96	1.44	2.5
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	11	2.63	0.87	2.4
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	11	2.59	0.79	2.6
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	11	2.57	0.8	2.4
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	11	2.46	0.92	2.2
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	11	2.39	1.18	2.2
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	10	4.89	0.98	5.15
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	10	4.61	1.57	4.6
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	10	2.84	1.42	2.7
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	10	2.81	1.34	2.55
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	10	2.66	1.12	2.75
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	10	2.62	0.87	2.75
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	10	2.39	1.23	2.05
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	10	2.2	0.86	2.0
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	10	1.92	0.58	1.9
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	10	1.57	0.25	1.65
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	9	4.13	1.39	4.4
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	9	3.99	1.6	4.2
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	9	3.33	1.37	3.3
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	9	3.24	1.51	3.1
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	9	3.22	1.39	3.2
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	9	2.69	1.24	2.5
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	9	2.39	0.28	2.4
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	9	2.38	0.98	2.4
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	9	2.3	0.8	1.9
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	9	2.1	1.04	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	9	1.83	0.59	1.7
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	9	1.79	0.62	1.6
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	8	3.25	1.11	3.3
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	8	2.88	0.59	2.95
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	8	2.6	1.39	2.5
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	8	2.56	0.88	2.6
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	8	2.51	1.0	2.35
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	8	2.38	1.05	2.0
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	8	2.28	0.74	1.95
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	8	2.11	0.9	1.85
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	8	2.08	0.9	1.55
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	8	2.0	0.78	1.95
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	8	1.96	0.97	1.6
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	8	1.78	0.74	1.5
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	8	1.76	0.38	1.9
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	8	1.75	0.69	1.4
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	8	1.75	0.4	1.7
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	7	3.97	1.65	4.3
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	7	3.47	2.97	1.7
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	7	3.26	0.59	3.1
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	7	3.21	1.12	3.1
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	7	2.84	2.12	1.7
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	7	2.81	1.76	1.9
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	7	2.71	1.11	2.9
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	7	2.61	1.1	2.3
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	7	2.56	1.13	2.0
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	7	2.46	0.92	2.5
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	7	2.4	1.3	1.7
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	7	2.4	0.52	2.4
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	7	2.34	0.79	2.4
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	7	2.3	0.99	2.6
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	7	2.24	1.21	1.7
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	7	2.17	0.57	2.1
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	7	2.11	1.03	1.8
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	7	1.87	0.46	1.9
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	7	1.64	0.36	1.8
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	6	3.65	1.97	3.15
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	6	3.58	0.87	3.7
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	6	3.2	0.73	3.45
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	6	3.2	1.23	2.65
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	6	2.78	1.57	2.4
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	6	2.6	1.68	1.85
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	6	2.6	1.05	2.4
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	6	2.47	1.19	2.15
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	6	2.47	0.6	2.35
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	6	2.42	0.58	2.3
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	6	2.4	1.05	2.35
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	6	2.4	0.93	2.2
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	6	2.38	0.36	2.35
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	6	2.38	0.43	2.4
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	6	2.27	0.5	2.15

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	6	2.18	0.77	1.95
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	6	2.17	0.43	2.05
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	6	2.13	0.52	2.3
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	6	2.1	1.2	1.3
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	6	1.98	0.7	1.9
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	6	1.92	0.8	1.65
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	6	1.83	0.6	1.65
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	6	1.78	0.45	1.65
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	6	1.72	0.27	1.65
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	6	1.63	0.93	1.25
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	6	1.63	0.41	1.4
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	6	1.58	0.34	1.65
(1,557)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	5	5.08	3.0	5.7
(1,537)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	5	3.3	1.18	3.5
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	5	3.2	1.39	3.0
(1,620)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	5	2.74	1.02	2.5
(1,868)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	5	2.7	0.55	2.7
(1,818)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	5	2.7	0.79	2.9
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	5	2.68	1.13	2.2
(1,567)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	5	2.6	0.89	2.9
(1,730)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	5	2.6	1.35	1.6
(1,339)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	5	2.5	0.68	2.3
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	5	2.48	0.72	2.6
(1,97)	1:A:60:LEU:N	1:A:60:LEU:CA	1:A:60:LEU:C	1:A:61:ARG:N	5	2.2	0.83	2.6
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	5	2.0	1.03	1.4
(1,605)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	5	2.0	0.79	1.9
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	5	1.9	0.73	1.7
(1,1008)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	5	1.86	0.75	1.6
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	5	1.84	0.26	1.7
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	5	1.82	0.61	1.5
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	5	1.78	0.53	2.0
(1,391)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	5	1.76	0.32	1.8
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	5	1.72	0.28	1.8
(1,598)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	5	1.56	0.21	1.6
(1,472)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	5	1.34	0.21	1.4
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	5	1.3	0.15	1.2
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	5	1.22	0.1	1.3
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	4	4.42	1.65	4.6
(1,299)	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1:B:34:LYS:N	4	4.4	1.95	4.35
(1,999)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	4	3.8	2.11	3.75
(1,302)	1:B:34:LYS:C	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	4	3.52	0.93	3.45
(1,592)	1:C:54:ASP:C	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	4	3.05	0.39	2.9
(1,784)	1:D:22:SER:C	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	4	2.78	0.86	2.95
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	4	2.62	1.43	2.35
(1,830)	1:D:48:SER:C	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	4	2.62	1.04	2.35
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	4	2.45	0.23	2.4
(1,563)	1:C:40:VAL:N	1:C:40:VAL:CA	1:C:40:VAL:C	1:C:41:LYS:N	4	2.45	0.7	2.45
(1,327)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	4	2.4	0.25	2.45
(1,813)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	4	2.4	0.97	2.25
(1,595)	1:C:56:TYR:N	1:C:56:TYR:CA	1:C:56:TYR:C	1:C:57:GLU:N	4	2.4	0.64	2.1
(1,366)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	4	2.33	0.72	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	4	2.3	0.58	2.3
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	4	2.28	0.62	2.45
(1,982)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	4	2.25	0.67	2.55
(1,292)	1:B:29:PRO:C	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	4	2.22	0.33	2.2
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	4	2.15	0.52	2.3
(1,618)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	4	2.08	0.79	1.95
(1,575)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	4	2.05	0.3	2.05
(1,617)	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	1:C:68:LEU:N	4	2.03	1.15	1.45
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	4	1.95	0.29	2.05
(1,726)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	4	1.95	1.07	1.4
(1,564)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	4	1.92	0.58	1.95
(1,319)	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	1:B:45:ASP:N	4	1.92	0.43	1.95
(1,1009)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	4	1.85	0.61	1.8
(1,400)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	4	1.83	0.47	1.9
(1,574)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	4	1.83	0.39	1.95
(1,581)	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	1:C:50:GLN:N	4	1.83	0.26	1.9
(1,129)	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1:A:77:GLU:N	4	1.82	0.43	2.0
(1,508)	1:C:9:MET:C	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	4	1.78	0.56	1.6
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	4	1.78	0.58	1.6
(1,477)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	4	1.7	0.76	1.35
(1,824)	1:D:45:ASP:C	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	4	1.7	0.38	1.7
(1,763)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	4	1.65	0.38	1.7
(1,927)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	4	1.65	0.33	1.5
(1,519)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	4	1.62	0.33	1.45
(1,479)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	4	1.6	0.14	1.6
(1,474)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	4	1.6	0.52	1.3
(1,328)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	4	1.58	0.27	1.5
(1,833)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	4	1.52	0.4	1.45
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	4	1.48	0.16	1.55
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	4	1.4	0.31	1.3
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	4	1.35	0.18	1.35
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	3	3.33	0.71	3.1
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	3	3.2	2.3	2.1
(1,814)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	3	2.93	0.97	2.4
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	3	2.9	1.53	2.6
(1,572)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	3	2.9	0.93	3.4
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	3	2.8	0.59	3.0
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	3	2.77	0.17	2.7
(1,127)	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	1:A:76:CYS:N	3	2.67	0.21	2.7
(1,535)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	3	2.63	0.78	2.6
(1,367)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	3	2.57	1.07	2.7
(1,369)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	3	2.53	0.91	2.1
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	3	2.47	0.74	2.1
(1,599)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:VAL:N	3	2.47	1.23	1.6
(1,915)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	3	2.47	1.1	2.5
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	3	2.4	0.86	2.3
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	3	2.37	0.74	2.0
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	3	2.37	1.58	1.3
(1,883)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	3	2.37	0.78	2.2
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	3	2.33	0.98	2.4
(1,909)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	3	2.33	1.18	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,673)	1:C:95:ALA:N	1:C:95:ALA:CA	1:C:95:ALA:C	1:C:96:HIS:N	3	2.27	0.9	2.2
(1,264)	1:B:13:ILE:C	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	3	2.17	1.05	1.8
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	3	2.13	0.59	2.5
(1,729)	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	1:C:127:ASN:N	3	2.13	0.63	1.9
(1,797)	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	1:D:32:PHE:N	3	2.1	0.36	2.3
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	3	2.07	0.38	1.8
(1,731)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	3	2.07	0.54	1.9
(1,758)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	3	2.03	0.79	1.8
(1,365)	1:B:67:SER:N	1:B:67:SER:CA	1:B:67:SER:C	1:B:68:LEU:N	3	2.03	0.54	2.2
(1,832)	1:D:49:SER:C	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	3	2.0	0.33	2.0
(1,503)	1:B:140:TYR:N	1:B:140:TYR:CA	1:B:140:TYR:C	1:B:141:LEU:N	3	1.97	0.68	1.7
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	3	1.93	0.79	1.7
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	3	1.9	0.43	2.1
(1,410)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	3	1.9	0.57	2.2
(1,568)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	3	1.9	0.86	1.5
(1,658)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	3	1.9	0.29	2.0
(1,571)	1:C:44:LEU:N	1:C:44:LEU:CA	1:C:44:LEU:C	1:C:45:ASP:N	3	1.87	0.73	1.4
(1,787)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	3	1.87	0.66	1.5
(1,754)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	3	1.83	0.17	1.9
(1,934)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	3	1.8	0.14	1.9
(1,626)	1:C:71:GLU:C	1:C:72:THR:N	1:C:72:THR:CA	1:C:72:THR:C	3	1.8	0.51	1.6
(1,738)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	3	1.77	0.53	1.8
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	3	1.77	0.54	1.6
(1,565)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	3	1.77	0.4	2.0
(1,344)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	3	1.73	0.33	1.8
(1,684)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	3	1.73	0.17	1.8
(1,393)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	3	1.73	0.54	1.4
(1,884)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	3	1.7	0.24	1.7
(1,723)	1:C:122:THR:N	1:C:122:THR:CA	1:C:122:THR:C	1:C:123:PHE:N	3	1.67	0.26	1.8
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	3	1.63	0.39	1.8
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	3	1.6	0.42	1.3
(1,323)	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1:B:47:ALA:N	3	1.6	0.28	1.8
(1,634)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	3	1.6	0.5	1.3
(1,63)	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	1:A:44:LEU:N	3	1.57	0.26	1.7
(1,647)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	3	1.53	0.29	1.5
(1,872)	1:D:69:GLY:C	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	3	1.53	0.4	1.3
(1,892)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	3	1.53	0.21	1.5
(1,903)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	3	1.47	0.05	1.5
(1,786)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	3	1.47	0.25	1.4
(1,659)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	3	1.37	0.31	1.2
(1,98)	1:A:60:LEU:C	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	3	1.33	0.09	1.4
(1,481)	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	1:B:129:ALA:N	3	1.3	0.08	1.3
(1,414)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	3	1.23	0.19	1.1
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	3	1.23	0.12	1.2
(1,173)	1:A:98:LEU:N	1:A:98:LEU:CA	1:A:98:LEU:C	1:A:99:GLY:N	3	1.2	0.0	1.2
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	3	1.17	0.09	1.1
(1,750)	1:C:137:PHE:C	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	2	4.75	0.25	4.75
(1,39)	1:A:30:HIS:N	1:A:30:HIS:CA	1:A:30:HIS:C	1:A:31:VAL:N	2	4.4	2.5	4.4
(1,977)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	2	4.05	0.05	4.05
(1,382)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	2	3.7	0.4	3.7
(1,411)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	2	3.45	1.35	3.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,809)	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	1:D:38:PRO:N	2	3.35	1.75	3.35
(1,908)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	2	3.2	1.2	3.2
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	2	3.15	1.05	3.15
(1,381)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	2	3.0	1.9	3.0
(1,558)	1:C:36:TRP:C	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	2	3.0	0.4	3.0
(1,749)	1:C:137:PHE:N	1:C:137:PHE:CA	1:C:137:PHE:C	1:C:138:MET:N	2	2.95	1.85	2.95
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	2	2.9	1.7	2.9
(1,623)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	2	2.75	0.05	2.75
(1,727)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	2	2.75	0.05	2.75
(1,1006)	1:D:140:TYR:C	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	2	2.75	0.75	2.75
(1,370)	1:B:69:GLY:C	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	2	2.7	1.3	2.7
(1,660)	1:C:88:GLY:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	2	2.7	0.4	2.7
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	2	2.65	0.05	2.65
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	2	2.6	0.3	2.6
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	2	2.55	0.75	2.55
(1,607)	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	1:C:63:THR:N	2	2.55	0.65	2.55
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	2	2.5	0.7	2.5
(1,538)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	2	2.5	0.1	2.5
(1,621)	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	1:C:70:GLU:N	2	2.5	0.3	2.5
(1,799)	1:D:32:PHE:N	1:D:32:PHE:CA	1:D:32:PHE:C	1:D:33:GLN:N	2	2.45	1.05	2.45
(1,409)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	2	2.35	0.45	2.35
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	2	2.3	0.6	2.3
(1,800)	1:D:32:PHE:C	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	2	2.25	0.45	2.25
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	2	2.1	0.6	2.1
(1,156)	1:A:89:ILE:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	2	2.1	0.5	2.1
(1,635)	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	1:C:77:GLU:N	2	2.1	0.0	2.1
(1,762)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	2	2.1	0.7	2.1
(1,62)	1:A:42:LEU:C	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	2	2.05	0.05	2.05
(1,126)	1:A:74:PHE:C	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	2	2.05	0.65	2.05
(1,315)	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	1:B:43:ASP:N	2	2.05	0.35	2.05
(1,347)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:VAL:N	2	2.0	0.5	2.0
(1,603)	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	1:C:61:ARG:N	2	2.0	0.6	2.0
(1,728)	1:C:125:GLN:C	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	2	2.0	0.9	2.0
(1,842)	1:D:54:ASP:C	1:D:55:VAL:N	1:D:55:VAL:CA	1:D:55:VAL:C	2	2.0	0.1	2.0
(1,35)	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	1:A:28:ALA:N	2	1.95	0.75	1.95
(1,107)	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	1:A:66:ALA:N	2	1.95	0.05	1.95
(1,734)	1:C:128:LEU:C	1:C:129:ALA:N	1:C:129:ALA:CA	1:C:129:ALA:C	2	1.95	0.35	1.95
(1,476)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	2	1.9	0.3	1.9
(1,662)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	2	1.9	0.5	1.9
(1,709)	1:C:115:THR:N	1:C:115:THR:CA	1:C:115:THR:C	1:C:116:SER:N	2	1.9	0.6	1.9
(1,912)	1:D:89:ILE:C	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	2	1.9	0.1	1.9
(1,631)	1:C:74:PHE:N	1:C:74:PHE:CA	1:C:74:PHE:C	1:C:75:LEU:N	2	1.85	0.35	1.85
(1,556)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	2	1.8	0.2	1.8
(1,580)	1:C:48:SER:C	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	2	1.8	0.4	1.8
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	2	1.75	0.05	1.75
(1,384)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	2	1.75	0.45	1.75
(1,602)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	2	1.75	0.15	1.75
(1,288)	1:B:26:PRO:C	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	2	1.7	0.1	1.7
(1,69)	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1:A:47:ALA:N	2	1.7	0.2	1.7
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	2	1.7	0.2	1.7
(1,552)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	2	1.7	0.3	1.7

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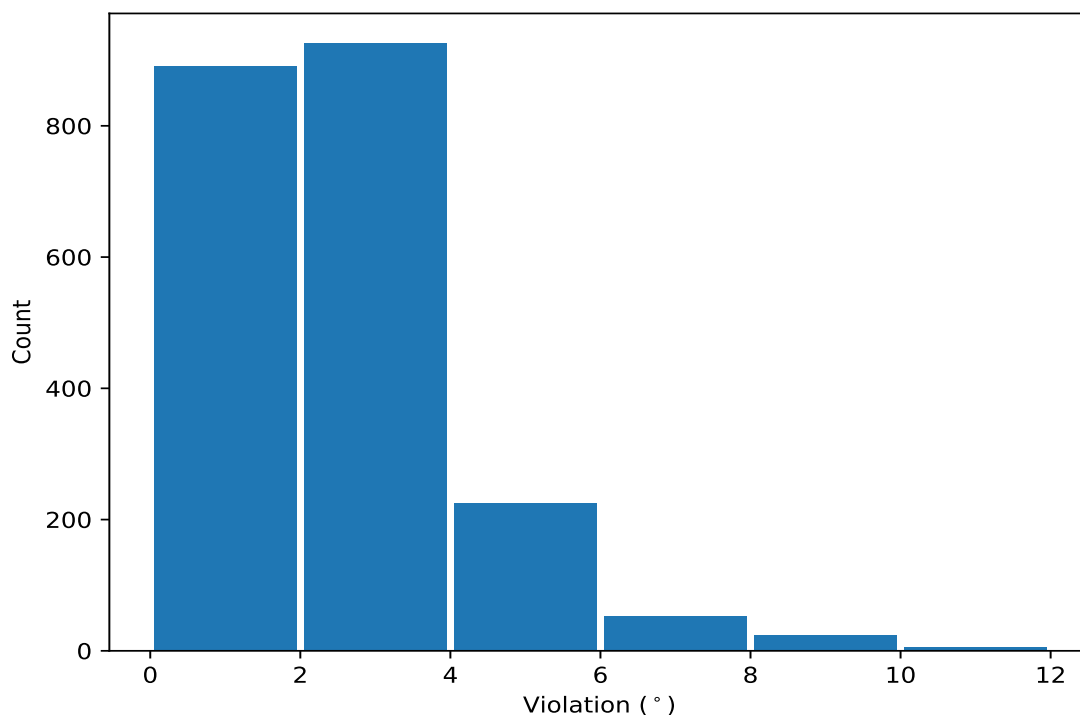
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,633)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	2	1.7	0.0	1.7
(1,648)	1:C:82:GLY:C	1:C:83:ILE:N	1:C:83:ILE:CA	1:C:83:ILE:C	2	1.65	0.55	1.65
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	2	1.65	0.15	1.65
(1,178)	1:A:100:ALA:C	1:A:101:TYR:N	1:A:101:TYR:CA	1:A:101:TYR:C	2	1.65	0.15	1.65
(1,223)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:ASN:N	2	1.65	0.25	1.65
(1,350)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	2	1.6	0.5	1.6
(1,820)	1:D:43:ASP:C	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	2	1.6	0.5	1.6
(1,272)	1:B:17:TYR:C	1:B:18:THR:N	1:B:18:THR:CA	1:B:18:THR:C	2	1.55	0.45	1.55
(1,505)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	2	1.55	0.05	1.55
(1,612)	1:C:64:VAL:C	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	2	1.55	0.25	1.55
(1,318)	1:B:43:ASP:C	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	2	1.55	0.35	1.55
(1,812)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	2	1.55	0.15	1.55
(1,865)	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	1:D:67:SER:N	2	1.55	0.15	1.55
(1,504)	1:B:140:TYR:C	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	2	1.5	0.2	1.5
(1,846)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	2	1.5	0.0	1.5
(1,976)	1:D:124:PRO:C	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	2	1.5	0.4	1.5
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	2	1.45	0.15	1.45
(1,274)	1:B:18:THR:C	1:B:19:LYS:N	1:B:19:LYS:CA	1:B:19:LYS:C	2	1.45	0.05	1.45
(1,516)	1:C:13:ILE:C	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	2	1.4	0.3	1.4
(1,671)	1:C:94:MET:N	1:C:94:MET:CA	1:C:94:MET:C	1:C:95:ALA:N	2	1.4	0.1	1.4
(1,848)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	2	1.4	0.2	1.4
(1,679)	1:C:98:LEU:N	1:C:98:LEU:CA	1:C:98:LEU:C	1:C:99:GLY:N	2	1.35	0.15	1.35
(1,822)	1:D:44:LEU:C	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	2	1.35	0.25	1.35
(1,348)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	2	1.3	0.2	1.3
(1,403)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	2	1.3	0.2	1.3
(1,404)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	2	1.3	0.0	1.3
(1,1012)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	2	1.3	0.0	1.3
(1,527)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	2	1.3	0.1	1.3
(1,140)	1:A:81:GLY:C	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	2	1.25	0.05	1.25
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	2	1.25	0.15	1.25
(1,34)	1:A:26:PRO:C	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	2	1.2	0.1	1.2
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	2	1.2	0.1	1.2
(1,616)	1:C:66:ALA:C	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	2	1.1	0.0	1.1

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 (°)
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	9	12.0
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	13	11.7
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	6	11.0
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	5	10.4
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1	10.3
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	12	10.1
(1,557)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	3	9.9
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	11	9.8
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	13	9.7
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	19	9.6
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	13	9.5
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	9	9.2
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1	9.0
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	5	8.9
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	8	8.9
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	8	8.9
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	10	8.9
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	6	8.8
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	17	8.7
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	8	8.6
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	5	8.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	7	8.5
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	18	8.4
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	12	8.4
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	16	8.4
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	5	8.3
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	12	8.3
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	7	8.2
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	20	8.1
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	2	7.9
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	13	7.8
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	16	7.8
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	9	7.8
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	3	7.7
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	20	7.5
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	18	7.4
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	17	7.2
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	20	7.1
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	19	7.1
(1,299)	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1:B:34:LYS:N	13	7.1
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	7	6.9
(1,39)	1:A:30:HIS:N	1:A:30:HIS:CA	1:A:30:HIS:C	1:A:31:VAL:N	5	6.9
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1	6.8
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	7	6.8
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	12	6.7
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	8	6.6
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	12	6.6
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	16	6.6
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	1	6.6
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	9	6.5
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	9	6.5
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	6	6.4
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	6	6.4
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	10	6.4
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	19	6.4
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	3	6.3
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	8	6.3
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	18	6.3
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	8	6.3
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	20	6.3
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	15	6.3
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	7	6.3
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	5	6.3
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	4	6.3
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	17	6.2
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	15	6.2
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	18	6.2
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	18	6.2
(1,999)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	1	6.1
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	5	6.1
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	10	6.1
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	7	6.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	9	6.1
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	8	6.1
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	20	6.0
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	2	6.0
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	19	6.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	5	6.0
(1,557)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	11	6.0
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1	6.0
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	10	6.0
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	14	6.0
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	16	5.9
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	6	5.9
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	6	5.9
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	11	5.9
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	11	5.9
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	1	5.8
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	17	5.8
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	13	5.8
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	5	5.8
(1,999)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	10	5.7
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	12	5.7
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	17	5.7
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	17	5.7
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	5	5.7
(1,557)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	15	5.7
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	9	5.7
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	13	5.7
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	17	5.7
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	2	5.7
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	6	5.7
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	14	5.7
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	17	5.6
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	4	5.6
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	6	5.6
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	4	5.6
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	13	5.6
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	17	5.5
(1,819)	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	1:D:44:LEU:N	19	5.5
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	9	5.5
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	19	5.5
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	5	5.5
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	10	5.5
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	9	5.5
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	20	5.4
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	10	5.4
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	14	5.3
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	6	5.3
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	17	5.3
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	6	5.3
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	2	5.3
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	5	5.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	18	5.3
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	19	5.3
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	12	5.2
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	19	5.2
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	10	5.2
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	1	5.2
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	14	5.2
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	9	5.2
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	19	5.2
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	7	5.2
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	19	5.2
(1,809)	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	1:D:38:PRO:N	10	5.1
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	4	5.1
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	17	5.1
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	11	5.1
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	18	5.1
(1,299)	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1:B:34:LYS:N	12	5.1
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	7	5.1
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	19	5.1
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	5	5.0
(1,750)	1:C:137:PHE:C	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	16	5.0
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	3	5.0
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	2	5.0
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	11	5.0
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	5	5.0
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	10	5.0
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	4	5.0
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	19	5.0
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	12	4.9
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	18	4.9
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	9	4.9
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	15	4.9
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	9	4.9
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	19	4.9
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	17	4.9
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	5	4.9
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	3	4.9
(1,537)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	2	4.9
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	7	4.9
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	5	4.9
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	9	4.9
(1,381)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	7	4.9
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	12	4.9
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	18	4.9
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	10	4.9
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	20	4.9
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	11	4.9
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	7	4.8
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	20	4.8
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	12	4.8
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	18	4.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,749)	1:C:137:PHE:N	1:C:137:PHE:CA	1:C:137:PHE:C	1:C:138:MET:N	9	4.8
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	7	4.8
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	15	4.8
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	20	4.8
(1,411)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	1	4.8
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	14	4.8
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	11	4.8
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	10	4.8
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	15	4.8
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	8	4.8
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	8	4.7
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	5	4.7
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	10	4.7
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	10	4.7
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	14	4.7
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	11	4.7
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	7	4.7
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	11	4.7
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	9	4.7
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	18	4.7
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	5	4.7
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	17	4.7
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	14	4.7
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	3	4.6
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	7	4.6
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	9	4.6
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	4	4.6
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	13	4.6
(1,620)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	14	4.6
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	9	4.6
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	8	4.6
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	17	4.6
(1,302)	1:B:34:LYS:C	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	9	4.6
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	16	4.6
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	11	4.6
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	7	4.6
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	1	4.6
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	19	4.5
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	18	4.5
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	6	4.5
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	8	4.5
(1,750)	1:C:137:PHE:C	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	15	4.5
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	2	4.5
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	1	4.5
(1,908)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	12	4.4
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	12	4.4
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	1	4.4
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	15	4.4
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	18	4.4
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	3	4.4
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	13	4.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	16	4.4
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	3	4.4
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	12	4.4
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	6	4.4
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	20	4.4
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	14	4.4
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	20	4.4
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	7	4.4
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	17	4.4
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	13	4.4
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	4	4.3
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	17	4.3
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	7	4.3
(1,830)	1:D:48:SER:C	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	18	4.3
(1,814)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	12	4.3
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	11	4.3
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	19	4.3
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	20	4.3
(1,730)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	20	4.3
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	15	4.3
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	5	4.3
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	14	4.3
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	13	4.3
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	14	4.3
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	17	4.3
(1,302)	1:B:34:LYS:C	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	20	4.3
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	15	4.3
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	18	4.3
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	12	4.3
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	12	4.3
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	17	4.3
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	19	4.3
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	16	4.2
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	12	4.2
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	6	4.2
(1,823)	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	1:D:46:THR:N	1	4.2
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	5	4.2
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	4	4.2
(1,730)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	6	4.2
(1,599)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:VAL:N	3	4.2
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	19	4.2
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	12	4.2
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	10	4.2
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	1	4.2
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	17	4.2
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	12	4.2
(1,305)	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1:B:37:GLN:N	1	4.2
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	5	4.2
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	3	4.2
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	9	4.2
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	13	4.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	7	4.2
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	3	4.2
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	18	4.2
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	16	4.1
(1,977)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	20	4.1
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	10	4.1
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	14	4.1
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	16	4.1
(1,537)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	9	4.1
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	15	4.1
(1,382)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	3	4.1
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	17	4.1
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	3	4.1
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	18	4.1
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	10	4.1
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	3	4.1
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	3	4.1
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	3	4.0
(1,977)	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	1:D:126:LEU:N	18	4.0
(1,909)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	1	4.0
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	14	4.0
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	18	4.0
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	12	4.0
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	20	4.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	10	4.0
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	14	4.0
(1,617)	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	1:C:68:LEU:N	9	4.0
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	8	4.0
(1,370)	1:B:69:GLY:C	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	4	4.0
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	7	4.0
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	17	3.9
(1,813)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	18	3.9
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	1	3.9
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	7	3.9
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	11	3.9
(1,682)	1:C:99:GLY:C	1:C:100:ALA:N	1:C:100:ALA:CA	1:C:100:ALA:C	8	3.9
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	6	3.9
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	6	3.9
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	4	3.9
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	15	3.9
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	9	3.9
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	6	3.9
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	9	3.9
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	16	3.9
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	2	3.9
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	2	3.9
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	8	3.9
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	11	3.9
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	1	3.9
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1	3.9
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	4	3.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,915)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	12	3.8
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	20	3.8
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	1	3.8
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	1	3.8
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	3	3.8
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	3	3.8
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	14	3.8
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	5	3.8
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	6	3.8
(1,726)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	11	3.8
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	14	3.8
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	5	3.8
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	15	3.8
(1,369)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	17	3.8
(1,367)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	17	3.8
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	18	3.8
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	20	3.8
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	3	3.8
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1	3.8
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	2	3.8
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	16	3.8
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	20	3.8
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	17	3.7
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	5	3.7
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	1	3.7
(1,818)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	13	3.7
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	8	3.7
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	9	3.7
(1,739)	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	1:C:133:PHE:N	19	3.7
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	6	3.7
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	13	3.7
(1,625)	1:C:71:GLU:N	1:C:71:GLU:CA	1:C:71:GLU:C	1:C:72:THR:N	6	3.7
(1,592)	1:C:54:ASP:C	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	8	3.7
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	15	3.7
(1,572)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	4	3.7
(1,567)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	17	3.7
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	12	3.7
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	16	3.7
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	16	3.7
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	20	3.7
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	2	3.7
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	3	3.7
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	13	3.7
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	1	3.7
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	8	3.7
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	20	3.7
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	7	3.7
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	12	3.7
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	12	3.7
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	18	3.7
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	3	3.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	6	3.7
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	15	3.7
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	3	3.6
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	20	3.6
(1,796)	1:D:30:HIS:C	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	12	3.6
(1,784)	1:D:22:SER:C	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	19	3.6
(1,784)	1:D:22:SER:C	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	20	3.6
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	14	3.6
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	20	3.6
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	13	3.6
(1,535)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	6	3.6
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	17	3.6
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	16	3.6
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	5	3.6
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	10	3.6
(1,299)	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1:B:34:LYS:N	7	3.6
(1,264)	1:B:13:ILE:C	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	17	3.6
(1,252)	1:A:141:LEU:C	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	3	3.6
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	10	3.6
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	19	3.5
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	15	3.5
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	17	3.5
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	4	3.5
(1,799)	1:D:32:PHE:N	1:D:32:PHE:CA	1:D:32:PHE:C	1:D:33:GLN:N	19	3.5
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	3	3.5
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	1	3.5
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	14	3.5
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	15	3.5
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	6	3.5
(1,605)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	5	3.5
(1,595)	1:C:56:TYR:N	1:C:56:TYR:CA	1:C:56:TYR:C	1:C:57:GLU:N	11	3.5
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	14	3.5
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	18	3.5
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	1	3.5
(1,537)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	6	3.5
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	8	3.5
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	18	3.5
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	8	3.5
(1,412)	1:B:90:GLU:C	1:B:91:GLY:N	1:B:91:GLY:CA	1:B:91:GLY:C	1	3.5
(1,366)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	6	3.5
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	6	3.5
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	4	3.5
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	2	3.5
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	4	3.5
(1,165)	1:A:94:MET:N	1:A:94:MET:CA	1:A:94:MET:C	1:A:95:ALA:N	17	3.5
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	6	3.5
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	17	3.5
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	3	3.5
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	16	3.5
(1,1006)	1:D:140:TYR:C	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	5	3.5
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	17	3.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	4	3.4
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	14	3.4
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	11	3.4
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	9	3.4
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	11	3.4
(1,883)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	14	3.4
(1,868)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	6	3.4
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	12	3.4
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	5	3.4
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	6	3.4
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	9	3.4
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	15	3.4
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	11	3.4
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	11	3.4
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	12	3.4
(1,673)	1:C:95:ALA:N	1:C:95:ALA:CA	1:C:95:ALA:C	1:C:96:HIS:N	10	3.4
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	7	3.4
(1,572)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	5	3.4
(1,558)	1:C:36:TRP:C	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	8	3.4
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	4	3.4
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	19	3.4
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	1	3.4
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	19	3.4
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	19	3.4
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	15	3.4
(1,339)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	18	3.4
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1	3.4
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	15	3.4
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	8	3.4
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	18	3.4
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	9	3.4
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	15	3.4
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	11	3.4
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	4	3.4
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	11	3.4
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	2	3.4
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	14	3.4
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	8	3.3
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	1	3.3
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	6	3.3
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	10	3.3
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	12	3.3
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	19	3.3
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	17	3.3
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	8	3.3
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	15	3.3
(1,618)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	19	3.3
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	2	3.3
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	10	3.3
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	1	3.3
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	4	3.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	6	3.3
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	17	3.3
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	18	3.3
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	11	3.3
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	5	3.3
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	16	3.3
(1,382)	1:B:75:LEU:C	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	7	3.3
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	10	3.3
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	1	3.3
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	6	3.3
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	5	3.3
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	8	3.3
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	17	3.3
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	5	3.3
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	15	3.3
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	9	3.2
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	19	3.2
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	18	3.2
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	1	3.2
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	9	3.2
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	5	3.2
(1,868)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	15	3.2
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	14	3.2
(1,801)	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	1:D:34:LYS:N	11	3.2
(1,766)	1:D:13:ILE:C	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	4	3.2
(1,741)	1:C:133:PHE:N	1:C:133:PHE:CA	1:C:133:PHE:C	1:C:134:ASP:N	18	3.2
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	2	3.2
(1,665)	1:C:91:GLY:N	1:C:91:GLY:CA	1:C:91:GLY:C	1:C:92:THR:N	2	3.2
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	11	3.2
(1,607)	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	1:C:63:THR:N	18	3.2
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	8	3.2
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	3	3.2
(1,567)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	9	3.2
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	7	3.2
(1,563)	1:C:40:VAL:N	1:C:40:VAL:CA	1:C:40:VAL:C	1:C:41:LYS:N	19	3.2
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	6	3.2
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	6	3.2
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	3	3.2
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	19	3.2
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	17	3.2
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	17	3.2
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	6	3.2
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	2	3.2
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	14	3.2
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	18	3.2
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	20	3.2
(1,259)	1:B:11:PHE:N	1:B:11:PHE:CA	1:B:11:PHE:C	1:B:12:GLN:N	17	3.2
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	17	3.2
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	14	3.2
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	4	3.1
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	9	3.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,97)	1:A:60:LEU:N	1:A:60:LEU:CA	1:A:60:LEU:C	1:A:61:ARG:N	17	3.1
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	9	3.1
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	2	3.1
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	3	3.1
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	14	3.1
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	13	3.1
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	18	3.1
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	6	3.1
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	13	3.1
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	8	3.1
(1,758)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	4	3.1
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	12	3.1
(1,660)	1:C:88:GLY:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	6	3.1
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	18	3.1
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	4	3.1
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	8	3.1
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	11	3.1
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	1	3.1
(1,568)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	3	3.1
(1,563)	1:C:40:VAL:N	1:C:40:VAL:CA	1:C:40:VAL:C	1:C:41:LYS:N	8	3.1
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	2	3.1
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	19	3.1
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	7	3.1
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	2	3.1
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	13	3.1
(1,376)	1:B:72:THR:C	1:B:73:ALA:N	1:B:73:ALA:CA	1:B:73:ALA:C	11	3.1
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	8	3.1
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	15	3.1
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	13	3.1
(1,339)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	13	3.1
(1,329)	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	1:B:50:GLN:N	13	3.1
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	10	3.1
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	4	3.1
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	6	3.1
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	1	3.1
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	10	3.1
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	18	3.1
(1,14)	1:A:15:ARG:C	1:A:16:ILE:N	1:A:16:ILE:CA	1:A:16:ILE:C	6	3.1
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	9	3.1
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	14	3.1
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	15	3.1
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	7	3.1
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	9	3.1
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	12	3.1
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	6	3.1
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	13	3.0
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	10	3.0
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	1	3.0
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	7	3.0
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	15	3.0
(1,818)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	8	3.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	8	3.0
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	9	3.0
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	18	3.0
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	15	3.0
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	16	3.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	3	3.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	9	3.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	11	3.0
(1,733)	1:C:128:LEU:N	1:C:128:LEU:CA	1:C:128:LEU:C	1:C:129:ALA:N	5	3.0
(1,729)	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	1:C:127:ASN:N	18	3.0
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	14	3.0
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	12	3.0
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	1	3.0
(1,592)	1:C:54:ASP:C	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	18	3.0
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	11	3.0
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	19	3.0
(1,570)	1:C:43:ASP:C	1:C:44:LEU:N	1:C:44:LEU:CA	1:C:44:LEU:C	19	3.0
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	6	3.0
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	15	3.0
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	12	3.0
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	11	3.0
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	2	3.0
(1,477)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	13	3.0
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	20	3.0
(1,401)	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	1:B:86:ILE:N	17	3.0
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	1	3.0
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	3	3.0
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	19	3.0
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	3	3.0
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	4	3.0
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	17	3.0
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	14	3.0
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	20	3.0
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	16	3.0
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	4	3.0
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	16	3.0
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	20	3.0
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	2	3.0
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	3	3.0
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	6	3.0
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	15	2.9
(1,97)	1:A:60:LEU:N	1:A:60:LEU:CA	1:A:60:LEU:C	1:A:61:ARG:N	5	2.9
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	12	2.9
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	2	2.9
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	10	2.9
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	20	2.9
(1,818)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	9	2.9
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	8	2.9
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	20	2.9
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	8	2.9
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	7	2.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,728)	1:C:125:GLN:C	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	6	2.9
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	4	2.9
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	4	2.9
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	5	2.9
(1,620)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	16	2.9
(1,571)	1:C:44:LEU:N	1:C:44:LEU:CA	1:C:44:LEU:C	1:C:45:ASP:N	9	2.9
(1,567)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	16	2.9
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	10	2.9
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	20	2.9
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	15	2.9
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	4	2.9
(1,503)	1:B:140:TYR:N	1:B:140:TYR:CA	1:B:140:TYR:C	1:B:141:LEU:N	5	2.9
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	6	2.9
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	6	2.9
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	12	2.9
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	20	2.9
(1,383)	1:B:76:CYS:N	1:B:76:CYS:CA	1:B:76:CYS:C	1:B:77:GLU:N	11	2.9
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	14	2.9
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	17	2.9
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	8	2.9
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	20	2.9
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	12	2.9
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	7	2.9
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	14	2.9
(1,224)	1:A:126:LEU:C	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	19	2.9
(1,217)	1:A:122:THR:N	1:A:122:THR:CA	1:A:122:THR:C	1:A:123:PHE:N	5	2.9
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	19	2.9
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	12	2.9
(1,127)	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	1:A:76:CYS:N	1	2.9
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	20	2.9
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	14	2.9
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	1	2.8
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	11	2.8
(1,982)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	15	2.8
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	7	2.8
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	11	2.8
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	16	2.8
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	8	2.8
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	16	2.8
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	1	2.8
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	17	2.8
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	19	2.8
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	6	2.8
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	15	2.8
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	18	2.8
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	19	2.8
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	12	2.8
(1,787)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	10	2.8
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	20	2.8
(1,762)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	4	2.8
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	8	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	20	2.8
(1,731)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	14	2.8
(1,727)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	16	2.8
(1,724)	1:C:122:THR:C	1:C:123:PHE:N	1:C:123:PHE:CA	1:C:123:PHE:C	18	2.8
(1,623)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	6	2.8
(1,621)	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	1:C:70:GLU:N	17	2.8
(1,592)	1:C:54:ASP:C	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	20	2.8
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	15	2.8
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	4	2.8
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	2	2.8
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	19	2.8
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	1	2.8
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	20	2.8
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	17	2.8
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	3	2.8
(1,409)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	2	2.8
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	9	2.8
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	1	2.8
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	5	2.8
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	18	2.8
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	15	2.8
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	8	2.8
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	4	2.8
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	5	2.8
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	14	2.8
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	2	2.8
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	4	2.8
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	9	2.8
(1,1008)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	4	2.8
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	19	2.8
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	5	2.7
(1,91)	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	1:A:58:VAL:N	6	2.7
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	15	2.7
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	18	2.7
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	20	2.7
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	18	2.7
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	4	2.7
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	19	2.7
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	4	2.7
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	11	2.7
(1,868)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	17	2.7
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	9	2.7
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	11	2.7
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	5	2.7
(1,800)	1:D:32:PHE:C	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	18	2.7
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	12	2.7
(1,788)	1:D:24:GLU:C	1:D:25:ALA:N	1:D:25:ALA:CA	1:D:25:ALA:C	10	2.7
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	10	2.7
(1,727)	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	1:C:126:LEU:N	2	2.7
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	6	2.7
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	7	2.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	14	2.7
(1,623)	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1:C:71:GLU:N	10	2.7
(1,592)	1:C:54:ASP:C	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	11	2.7
(1,564)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	20	2.7
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	9	2.7
(1,508)	1:C:9:MET:C	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	20	2.7
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	2	2.7
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	18	2.7
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	16	2.7
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	10	2.7
(1,367)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	18	2.7
(1,35)	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	1:A:28:ALA:N	17	2.7
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	15	2.7
(1,327)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	16	2.7
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	6	2.7
(1,292)	1:B:29:PRO:C	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	6	2.7
(1,289)	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	1:B:28:ALA:N	1	2.7
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	8	2.7
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	5	2.7
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	15	2.7
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	19	2.7
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	15	2.7
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	9	2.7
(1,127)	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	1:A:76:CYS:N	2	2.7
(1,126)	1:A:74:PHE:C	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	1	2.7
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	10	2.7
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	11	2.7
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	8	2.7
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	20	2.7
(1,1008)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	8	2.7
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	11	2.7
(1,10)	1:A:13:ILE:C	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	19	2.7
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	3	2.7
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	2	2.6
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	5	2.6
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	12	2.6
(1,982)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	11	2.6
(1,97)	1:A:60:LEU:N	1:A:60:LEU:CA	1:A:60:LEU:C	1:A:61:ARG:N	3	2.6
(1,910)	1:D:88:GLY:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1	2.6
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	4	2.6
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	10	2.6
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	11	2.6
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	9	2.6
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	4	2.6
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	16	2.6
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	11	2.6
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	15	2.6
(1,830)	1:D:48:SER:C	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	16	2.6
(1,818)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	19	2.6
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	11	2.6
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	8	2.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	14	2.6
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	7	2.6
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	20	2.6
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	14	2.6
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	1	2.6
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	7	2.6
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	9	2.6
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	18	2.6
(1,603)	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	1:C:61:ARG:N	8	2.6
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	14	2.6
(1,561)	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	1:C:40:VAL:N	12	2.6
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	2	2.6
(1,558)	1:C:36:TRP:C	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	15	2.6
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	2	2.6
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	19	2.6
(1,538)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	14	2.6
(1,535)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	16	2.6
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	19	2.6
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	9	2.6
(1,407)	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	1:B:89:ILE:N	1	2.6
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	11	2.6
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	7	2.6
(1,365)	1:B:67:SER:N	1:B:67:SER:CA	1:B:67:SER:C	1:B:68:LEU:N	11	2.6
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	11	2.6
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	8	2.6
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	20	2.6
(1,312)	1:B:40:VAL:C	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	19	2.6
(1,310)	1:B:39:GLU:C	1:B:40:VAL:N	1:B:40:VAL:CA	1:B:40:VAL:C	6	2.6
(1,31)	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	1:A:25:ALA:N	7	2.6
(1,302)	1:B:34:LYS:C	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	7	2.6
(1,302)	1:B:34:LYS:C	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	10	2.6
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	9	2.6
(1,282)	1:B:22:SER:C	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	13	2.6
(1,260)	1:B:11:PHE:C	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	17	2.6
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	6	2.6
(1,219)	1:A:123:PHE:N	1:A:123:PHE:CA	1:A:123:PHE:C	1:A:124:PRO:N	5	2.6
(1,156)	1:A:89:ILE:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	10	2.6
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	6	2.6
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	1	2.6
(1,1009)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	12	2.6
(1,1003)	1:D:139:ASN:N	1:D:139:ASN:CA	1:D:139:ASN:C	1:D:140:TYR:N	8	2.6
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	4	2.6
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	14	2.6
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	3	2.5
(1,982)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	6	2.5
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	10	2.5
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	15	2.5
(1,915)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	10	2.5
(1,914)	1:D:90:GLU:C	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	12	2.5
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	17	2.5
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	5	2.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	13	2.5
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	10	2.5
(1,783)	1:D:22:SER:N	1:D:22:SER:CA	1:D:22:SER:C	1:D:23:PHE:N	19	2.5
(1,709)	1:C:115:THR:N	1:C:115:THR:CA	1:C:115:THR:C	1:C:116:SER:N	15	2.5
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	10	2.5
(1,626)	1:C:71:GLU:C	1:C:72:THR:N	1:C:72:THR:CA	1:C:72:THR:C	2	2.5
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	12	2.5
(1,620)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	9	2.5
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	7	2.5
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	1	2.5
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	7	2.5
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	14	2.5
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	20	2.5
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	15	2.5
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	1	2.5
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	11	2.5
(1,474)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	11	2.5
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	16	2.5
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	7	2.5
(1,393)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	5	2.5
(1,372)	1:B:70:GLU:C	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	4	2.5
(1,347)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:VAL:N	2	2.5
(1,327)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	20	2.5
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	18	2.5
(1,308)	1:B:38:PRO:C	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	19	2.5
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	6	2.5
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	3	2.5
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	17	2.5
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	6	2.5
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	16	2.5
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	1	2.5
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	11	2.5
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	11	2.5
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	19	2.5
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	3	2.5
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	12	2.5
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	13	2.5
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	17	2.5
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	18	2.4
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	17	2.4
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	7	2.4
(1,90)	1:A:56:TYR:C	1:A:57:GLU:N	1:A:57:GLU:CA	1:A:57:GLU:C	4	2.4
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	4	2.4
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	12	2.4
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	11	2.4
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	20	2.4
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	7	2.4
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	11	2.4
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	9	2.4
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	16	2.4
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	8	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,832)	1:D:49:SER:C	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	18	2.4
(1,814)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	13	2.4
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	19	2.4
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	3	2.4
(1,797)	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	1:D:32:PHE:N	14	2.4
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	4	2.4
(1,738)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	19	2.4
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	15	2.4
(1,662)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	10	2.4
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	7	2.4
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	13	2.4
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	18	2.4
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	10	2.4
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	11	2.4
(1,575)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	13	2.4
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	18	2.4
(1,546)	1:C:30:HIS:C	1:C:31:VAL:N	1:C:31:VAL:CA	1:C:31:VAL:C	9	2.4
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	4	2.4
(1,538)	1:C:24:GLU:C	1:C:25:ALA:N	1:C:25:ALA:CA	1:C:25:ALA:C	20	2.4
(1,537)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	7	2.4
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	13	2.4
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	20	2.4
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	4	2.4
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	18	2.4
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	7	2.4
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	2	2.4
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	13	2.4
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	10	2.4
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	1	2.4
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	3	2.4
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	11	2.4
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	16	2.4
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	5	2.4
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	8	2.4
(1,410)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	4	2.4
(1,400)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	18	2.4
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	16	2.4
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	2	2.4
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	10	2.4
(1,345)	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	1:B:58:VAL:N	18	2.4
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	3	2.4
(1,327)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	14	2.4
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	10	2.4
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	13	2.4
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	3	2.4
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	13	2.4
(1,319)	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	1:B:45:ASP:N	12	2.4
(1,315)	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	1:B:43:ASP:N	7	2.4
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	14	2.4
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	17	2.4
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	2	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	13	2.4
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	14	2.4
(1,127)	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	1:A:76:CYS:N	4	2.4
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	16	2.4
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	14	2.4
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	7	2.4
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	9	2.3
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	8	2.3
(1,929)	1:D:98:LEU:N	1:D:98:LEU:CA	1:D:98:LEU:C	1:D:99:GLY:N	9	2.3
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	16	2.3
(1,868)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	8	2.3
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	5	2.3
(1,813)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	20	2.3
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	13	2.3
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	9	2.3
(1,804)	1:D:34:LYS:C	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	8	2.3
(1,797)	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	1:D:32:PHE:N	10	2.3
(1,784)	1:D:22:SER:C	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	8	2.3
(1,77)	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	1:A:51:LEU:N	10	2.3
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	12	2.3
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	13	2.3
(1,734)	1:C:128:LEU:C	1:C:129:ALA:N	1:C:129:ALA:CA	1:C:129:ALA:C	15	2.3
(1,660)	1:C:88:GLY:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	12	2.3
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	10	2.3
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	6	2.3
(1,634)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	18	2.3
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	16	2.3
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	14	2.3
(1,575)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	2	2.3
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	8	2.3
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	13	2.3
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	16	2.3
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	10	2.3
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	6	2.3
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	20	2.3
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1	2.3
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	17	2.3
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	2	2.3
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	7	2.3
(1,402)	1:B:85:SER:C	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	17	2.3
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	3	2.3
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	13	2.3
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	18	2.3
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	18	2.3
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	15	2.3
(1,366)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	19	2.3
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	13	2.3
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	8	2.3
(1,339)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	9	2.3
(1,319)	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	1:B:45:ASP:N	5	2.3
(1,30)	1:A:23:PHE:C	1:A:24:GLU:N	1:A:24:GLU:CA	1:A:24:GLU:C	15	2.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	17	2.3
(1,292)	1:B:29:PRO:C	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	8	2.3
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	5	2.3
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	6	2.3
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	18	2.3
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	12	2.3
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	4	2.3
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	16	2.3
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	10	2.3
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	10	2.3
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	13	2.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	6	2.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	16	2.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	17	2.3
(1,130)	1:A:76:CYS:C	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	10	2.3
(1,1009)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	10	2.3
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	10	2.3
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	3	2.2
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	7	2.2
(1,983)	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	1:D:129:ALA:N	2	2.2
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	14	2.2
(1,927)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	12	2.2
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	3	2.2
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	6	2.2
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	1	2.2
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	8	2.2
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	15	2.2
(1,883)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	2	2.2
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	2	2.2
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	11	2.2
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	19	2.2
(1,824)	1:D:45:ASP:C	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	19	2.2
(1,813)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	11	2.2
(1,806)	1:D:35:ASP:C	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	20	2.2
(1,767)	1:D:14:GLN:N	1:D:14:GLN:CA	1:D:14:GLN:C	1:D:15:ARG:N	5	2.2
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	20	2.2
(1,673)	1:C:95:ALA:N	1:C:95:ALA:CA	1:C:95:ALA:C	1:C:96:HIS:N	9	2.2
(1,658)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	2	2.2
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	4	2.2
(1,648)	1:C:82:GLY:C	1:C:83:ILE:N	1:C:83:ILE:CA	1:C:83:ILE:C	5	2.2
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	6	2.2
(1,631)	1:C:74:PHE:N	1:C:74:PHE:CA	1:C:74:PHE:C	1:C:75:LEU:N	12	2.2
(1,621)	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	1:C:70:GLU:N	20	2.2
(1,595)	1:C:56:TYR:N	1:C:56:TYR:CA	1:C:56:TYR:C	1:C:57:GLU:N	7	2.2
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	17	2.2
(1,580)	1:C:48:SER:C	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	19	2.2
(1,574)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	5	2.2
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	3	2.2
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	11	2.2
(1,559)	1:C:37:GLN:N	1:C:37:GLN:CA	1:C:37:GLN:C	1:C:38:PRO:N	1	2.2
(1,557)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	8	2.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	5	2.2
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	8	2.2
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	1	2.2
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	9	2.2
(1,519)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	15	2.2
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	3	2.2
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	8	2.2
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	13	2.2
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	16	2.2
(1,476)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	15	2.2
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	11	2.2
(1,410)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	3	2.2
(1,406)	1:B:87:ALA:C	1:B:88:GLY:N	1:B:88:GLY:CA	1:B:88:GLY:C	10	2.2
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	18	2.2
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	6	2.2
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	8	2.2
(1,391)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	16	2.2
(1,384)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	14	2.2
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	19	2.2
(1,365)	1:B:67:SER:N	1:B:67:SER:CA	1:B:67:SER:C	1:B:68:LEU:N	4	2.2
(1,339)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	17	2.2
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1	2.2
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	20	2.2
(1,281)	1:B:22:SER:N	1:B:22:SER:CA	1:B:22:SER:C	1:B:23:PHE:N	13	2.2
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	4	2.2
(1,255)	1:B:9:MET:N	1:B:9:MET:CA	1:B:9:MET:C	1:B:10:THR:N	1	2.2
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	19	2.2
(1,231)	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	1:A:132:ASN:N	16	2.2
(1,225)	1:A:127:ASN:N	1:A:127:ASN:CA	1:A:127:ASN:C	1:A:128:LEU:N	2	2.2
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	13	2.2
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	5	2.2
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	9	2.2
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	3	2.2
(1,129)	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1:A:77:GLU:N	18	2.2
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	14	2.2
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	1	2.2
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	20	2.2
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	20	2.2
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	18	2.2
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	5	2.1
(1,9)	1:A:13:ILE:N	1:A:13:ILE:CA	1:A:13:ILE:C	1:A:14:GLN:N	19	2.1
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	18	2.1
(1,872)	1:D:69:GLY:C	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	20	2.1
(1,86)	1:A:54:ASP:C	1:A:55:VAL:N	1:A:55:VAL:CA	1:A:55:VAL:C	3	2.1
(1,842)	1:D:54:ASP:C	1:D:55:VAL:N	1:D:55:VAL:CA	1:D:55:VAL:C	3	2.1
(1,833)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	12	2.1
(1,830)	1:D:48:SER:C	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	20	2.1
(1,820)	1:D:43:ASP:C	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	6	2.1
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	4	2.1
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	16	2.1
(1,815)	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	1:D:42:LEU:N	13	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,814)	1:D:40:VAL:C	1:D:41:LYS:N	1:D:41:LYS:CA	1:D:41:LYS:C	7	2.1
(1,763)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	10	2.1
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	12	2.1
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1	2.1
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	6	2.1
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1	2.1
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	17	2.1
(1,635)	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	1:C:77:GLU:N	14	2.1
(1,635)	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	1:C:77:GLU:N	20	2.1
(1,62)	1:A:42:LEU:C	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	9	2.1
(1,618)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	16	2.1
(1,600)	1:C:58:VAL:C	1:C:59:VAL:N	1:C:59:VAL:CA	1:C:59:VAL:C	8	2.1
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	6	2.1
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	10	2.1
(1,581)	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	1:C:50:GLN:N	6	2.1
(1,574)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	2	2.1
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	18	2.1
(1,565)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	9	2.1
(1,564)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	11	2.1
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	5	2.1
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	18	2.1
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	20	2.1
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	9	2.1
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	1	2.1
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	11	2.1
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	12	2.1
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	18	2.1
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	3	2.1
(1,411)	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1:B:91:GLY:N	4	2.1
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	7	2.1
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	12	2.1
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	17	2.1
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	20	2.1
(1,38)	1:A:29:PRO:C	1:A:30:HIS:N	1:A:30:HIS:CA	1:A:30:HIS:C	17	2.1
(1,369)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	6	2.1
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	7	2.1
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	2	2.1
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	11	2.1
(1,350)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	10	2.1
(1,344)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	2	2.1
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	20	2.1
(1,316)	1:B:42:LEU:C	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	10	2.1
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	7	2.1
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	16	2.1
(1,294)	1:B:30:HIS:C	1:B:31:VAL:N	1:B:31:VAL:CA	1:B:31:VAL:C	9	2.1
(1,292)	1:B:29:PRO:C	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	17	2.1
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	3	2.1
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	11	2.1
(1,248)	1:A:139:ASN:C	1:A:140:TYR:N	1:A:140:TYR:CA	1:A:140:TYR:C	7	2.1
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	14	2.1
(1,226)	1:A:127:ASN:C	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	18	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	19	2.1
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	19	2.1
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	6	2.1
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	19	2.1
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	6	2.1
(1,109)	1:A:66:ALA:N	1:A:66:ALA:CA	1:A:66:ALA:C	1:A:67:SER:N	15	2.1
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	5	2.1
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	16	2.1
(1,912)	1:D:89:ILE:C	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	11	2.0
(1,911)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:GLU:N	17	2.0
(1,908)	1:D:87:ALA:C	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	7	2.0
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	17	2.0
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	13	2.0
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	19	2.0
(1,884)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	12	2.0
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	10	2.0
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	9	2.0
(1,832)	1:D:49:SER:C	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	20	2.0
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	12	2.0
(1,802)	1:D:33:GLN:C	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	14	2.0
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	12	2.0
(1,757)	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	1:D:10:THR:N	13	2.0
(1,754)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	11	2.0
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	5	2.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	8	2.0
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	18	2.0
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	3	2.0
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	13	2.0
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	14	2.0
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1	2.0
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	4	2.0
(1,658)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	17	2.0
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	9	2.0
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	5	2.0
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	10	2.0
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	19	2.0
(1,620)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	4	2.0
(1,62)	1:A:42:LEU:C	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	13	2.0
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	9	2.0
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	9	2.0
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	11	2.0
(1,595)	1:C:56:TYR:N	1:C:56:TYR:CA	1:C:56:TYR:C	1:C:57:GLU:N	8	2.0
(1,578)	1:C:47:ALA:C	1:C:48:SER:N	1:C:48:SER:CA	1:C:48:SER:C	20	2.0
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	9	2.0
(1,567)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	19	2.0
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	19	2.0
(1,565)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	13	2.0
(1,556)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	15	2.0
(1,552)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	15	2.0
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	5	2.0
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	10	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	5	2.0
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	7	2.0
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	11	2.0
(1,400)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	10	2.0
(1,391)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	4	2.0
(1,386)	1:B:77:GLU:C	1:B:78:VAL:N	1:B:78:VAL:CA	1:B:78:VAL:C	11	2.0
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	15	2.0
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	9	2.0
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	1	2.0
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	4	2.0
(1,328)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	4	2.0
(1,327)	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	1:B:49:SER:N	6	2.0
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	7	2.0
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	8	2.0
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	9	2.0
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	14	2.0
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	20	2.0
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	11	2.0
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	18	2.0
(1,285)	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	1:B:25:ALA:N	5	2.0
(1,283)	1:B:23:PHE:N	1:B:23:PHE:CA	1:B:23:PHE:C	1:B:24:GLU:N	3	2.0
(1,272)	1:B:17:TYR:C	1:B:18:THR:N	1:B:18:THR:CA	1:B:18:THR:C	17	2.0
(1,169)	1:A:96:HIS:N	1:A:96:HIS:CA	1:A:96:HIS:C	1:A:97:CYS:N	17	2.0
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	18	2.0
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	19	2.0
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	12	2.0
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	20	2.0
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	1	2.0
(1,129)	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1:A:77:GLU:N	1	2.0
(1,129)	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1:A:77:GLU:N	13	2.0
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	6	2.0
(1,107)	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	1:A:66:ALA:N	4	2.0
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	9	2.0
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	13	2.0
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	3	2.0
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	4	2.0
(1,1006)	1:D:140:TYR:C	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	8	2.0
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	10	1.9
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	18	1.9
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	13	1.9
(1,976)	1:D:124:PRO:C	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	14	1.9
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	13	1.9
(1,934)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	3	1.9
(1,934)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	15	1.9
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	10	1.9
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	17	1.9
(1,868)	1:D:67:SER:C	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	4	1.9
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	4	1.9
(1,842)	1:D:54:ASP:C	1:D:55:VAL:N	1:D:55:VAL:CA	1:D:55:VAL:C	10	1.9
(1,824)	1:D:45:ASP:C	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	7	1.9
(1,811)	1:D:39:GLU:N	1:D:39:GLU:CA	1:D:39:GLU:C	1:D:40:VAL:N	3	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	5	1.9
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	11	1.9
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	15	1.9
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	9	1.9
(1,763)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	4	1.9
(1,754)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1	1.9
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	2	1.9
(1,74)	1:A:48:SER:C	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1	1.9
(1,731)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	4	1.9
(1,729)	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	1:C:127:ASN:N	15	1.9
(1,723)	1:C:122:THR:N	1:C:122:THR:CA	1:C:122:THR:C	1:C:123:PHE:N	1	1.9
(1,69)	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1:A:47:ALA:N	20	1.9
(1,684)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	8	1.9
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	13	1.9
(1,663)	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	1:C:91:GLY:N	14	1.9
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	5	1.9
(1,653)	1:C:85:SER:N	1:C:85:SER:CA	1:C:85:SER:C	1:C:86:ILE:N	18	1.9
(1,647)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	17	1.9
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	5	1.9
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	13	1.9
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	16	1.9
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	3	1.9
(1,607)	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	1:C:63:THR:N	3	1.9
(1,605)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	4	1.9
(1,605)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	11	1.9
(1,602)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	3	1.9
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	2	1.9
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	17	1.9
(1,595)	1:C:56:TYR:N	1:C:56:TYR:CA	1:C:56:TYR:C	1:C:57:GLU:N	1	1.9
(1,581)	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	1:C:50:GLN:N	5	1.9
(1,581)	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	1:C:50:GLN:N	13	1.9
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	15	1.9
(1,562)	1:C:39:GLU:C	1:C:40:VAL:N	1:C:40:VAL:CA	1:C:40:VAL:C	5	1.9
(1,536)	1:C:23:PHE:C	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	14	1.9
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	17	1.9
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	13	1.9
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	9	1.9
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	3	1.9
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	4	1.9
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	5	1.9
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	3	1.9
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	9	1.9
(1,409)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:GLU:N	3	1.9
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	16	1.9
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	4	1.9
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	9	1.9
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	14	1.9
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	1	1.9
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	9	1.9
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	12	1.9
(1,39)	1:A:30:HIS:N	1:A:30:HIS:CA	1:A:30:HIS:C	1:A:31:VAL:N	15	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,375)	1:B:72:THR:N	1:B:72:THR:CA	1:B:72:THR:C	1:B:73:ALA:N	12	1.9
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	19	1.9
(1,366)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	11	1.9
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	6	1.9
(1,353)	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	1:B:62:VAL:N	5	1.9
(1,318)	1:B:43:ASP:C	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	8	1.9
(1,301)	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1:B:35:ASP:N	18	1.9
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	2	1.9
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	14	1.9
(1,250)	1:A:140:TYR:C	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1	1.9
(1,223)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:ASN:N	12	1.9
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	18	1.9
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	19	1.9
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	8	1.9
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	15	1.9
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	12	1.9
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	1	1.9
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	9	1.9
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	17	1.9
(1,107)	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	1:A:66:ALA:N	2	1.9
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	17	1.9
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	3	1.9
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	7	1.9
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	13	1.9
(1,1)	1:A:9:MET:N	1:A:9:MET:CA	1:A:9:MET:C	1:A:10:THR:N	5	1.9
(1,999)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	7	1.8
(1,912)	1:D:89:ILE:C	1:D:90:GLU:N	1:D:90:GLU:CA	1:D:90:GLU:C	12	1.8
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	20	1.8
(1,892)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	4	1.8
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	2	1.8
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	6	1.8
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	7	1.8
(1,817)	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	1:D:43:ASP:N	11	1.8
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	6	1.8
(1,800)	1:D:32:PHE:C	1:D:33:GLN:N	1:D:33:GLN:CA	1:D:33:GLN:C	14	1.8
(1,786)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	19	1.8
(1,758)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	10	1.8
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	11	1.8
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	3	1.8
(1,75)	1:A:49:SER:N	1:A:49:SER:CA	1:A:49:SER:C	1:A:50:GLN:N	6	1.8
(1,738)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	7	1.8
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	8	1.8
(1,723)	1:C:122:THR:N	1:C:122:THR:CA	1:C:122:THR:C	1:C:123:PHE:N	9	1.8
(1,691)	1:C:105:ILE:N	1:C:105:ILE:CA	1:C:105:ILE:C	1:C:106:LEU:N	18	1.8
(1,684)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	12	1.8
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	20	1.8
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	3	1.8
(1,659)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	16	1.8
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	8	1.8
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	10	1.8
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	13	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	13	1.8
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	14	1.8
(1,63)	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	1:A:44:LEU:N	12	1.8
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	9	1.8
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	11	1.8
(1,618)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	7	1.8
(1,612)	1:C:64:VAL:C	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	6	1.8
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	19	1.8
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	7	1.8
(1,598)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1	1.8
(1,597)	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	1:C:58:VAL:N	6	1.8
(1,575)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	5	1.8
(1,574)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	11	1.8
(1,57)	1:A:40:VAL:N	1:A:40:VAL:CA	1:A:40:VAL:C	1:A:41:LYS:N	16	1.8
(1,564)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	5	1.8
(1,563)	1:C:40:VAL:N	1:C:40:VAL:CA	1:C:40:VAL:C	1:C:41:LYS:N	12	1.8
(1,55)	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1:A:40:VAL:N	8	1.8
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	10	1.8
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	5	1.8
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	3	1.8
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	20	1.8
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	17	1.8
(1,479)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	6	1.8
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	4	1.8
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	16	1.8
(1,400)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	12	1.8
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1	1.8
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	17	1.8
(1,391)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	19	1.8
(1,371)	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	1:B:71:GLU:N	20	1.8
(1,355)	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	1:B:63:THR:N	10	1.8
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	19	1.8
(1,344)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	9	1.8
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	14	1.8
(1,323)	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1:B:47:ALA:N	9	1.8
(1,323)	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1:B:47:ALA:N	14	1.8
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	9	1.8
(1,299)	1:B:33:GLN:N	1:B:33:GLN:CA	1:B:33:GLN:C	1:B:34:LYS:N	18	1.8
(1,293)	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	1:B:31:VAL:N	4	1.8
(1,292)	1:B:29:PRO:C	1:B:30:HIS:N	1:B:30:HIS:CA	1:B:30:HIS:C	4	1.8
(1,288)	1:B:26:PRO:C	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	16	1.8
(1,28)	1:A:22:SER:C	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	15	1.8
(1,264)	1:B:13:ILE:C	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	15	1.8
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	19	1.8
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	20	1.8
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	8	1.8
(1,178)	1:A:100:ALA:C	1:A:101:TYR:N	1:A:101:TYR:CA	1:A:101:TYR:C	6	1.8
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	12	1.8
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	18	1.8
(1,151)	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	1:A:88:GLY:N	10	1.8
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	4	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	8	1.8
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	3	1.8
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	5	1.8
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	7	1.8
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	7	1.8
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	1	1.8
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	10	1.8
(1,989)	1:D:132:ASN:N	1:D:132:ASN:CA	1:D:132:ASN:C	1:D:133:PHE:N	12	1.7
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	19	1.7
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	2	1.7
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	15	1.7
(1,971)	1:D:121:GLY:N	1:D:121:GLY:CA	1:D:121:GLY:C	1:D:122:THR:N	13	1.7
(1,905)	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	1:D:87:ALA:N	5	1.7
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	1	1.7
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	16	1.7
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	4	1.7
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	13	1.7
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	19	1.7
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	15	1.7
(1,884)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	13	1.7
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	18	1.7
(1,865)	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	1:D:67:SER:N	15	1.7
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	5	1.7
(1,833)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	17	1.7
(1,812)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	12	1.7
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	10	1.7
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	2	1.7
(1,755)	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	1:C:141:LEU:N	14	1.7
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	8	1.7
(1,752)	1:C:138:MET:C	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	7	1.7
(1,737)	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	1:C:132:ASN:N	17	1.7
(1,678)	1:C:97:CYS:C	1:C:98:LEU:N	1:C:98:LEU:CA	1:C:98:LEU:C	11	1.7
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	8	1.7
(1,633)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	9	1.7
(1,633)	1:C:75:LEU:N	1:C:75:LEU:CA	1:C:75:LEU:C	1:C:76:CYS:N	13	1.7
(1,63)	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	1:A:44:LEU:N	16	1.7
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	20	1.7
(1,620)	1:C:68:LEU:C	1:C:69:GLY:N	1:C:69:GLY:CA	1:C:69:GLY:C	7	1.7
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	19	1.7
(1,598)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	3	1.7
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	18	1.7
(1,575)	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	1:C:47:ALA:N	12	1.7
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	14	1.7
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	20	1.7
(1,563)	1:C:40:VAL:N	1:C:40:VAL:CA	1:C:40:VAL:C	1:C:41:LYS:N	10	1.7
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	2	1.7
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	20	1.7
(1,535)	1:C:23:PHE:N	1:C:23:PHE:CA	1:C:23:PHE:C	1:C:24:GLU:N	9	1.7
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	12	1.7
(1,516)	1:C:13:ILE:C	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	18	1.7
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	12	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,508)	1:C:9:MET:C	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	15	1.7
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	8	1.7
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	19	1.7
(1,504)	1:B:140:TYR:C	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	17	1.7
(1,503)	1:B:140:TYR:N	1:B:140:TYR:CA	1:B:140:TYR:C	1:B:141:LEU:N	6	1.7
(1,485)	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	1:B:132:ASN:N	19	1.7
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	9	1.7
(1,40)	1:A:30:HIS:C	1:A:31:VAL:N	1:A:31:VAL:CA	1:A:31:VAL:C	19	1.7
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	12	1.7
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	13	1.7
(1,369)	1:B:69:GLY:N	1:B:69:GLY:CA	1:B:69:GLY:C	1:B:70:GLU:N	14	1.7
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	11	1.7
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	9	1.7
(1,315)	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	1:B:43:ASP:N	12	1.7
(1,29)	1:A:23:PHE:N	1:A:23:PHE:CA	1:A:23:PHE:C	1:A:24:GLU:N	5	1.7
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	7	1.7
(1,267)	1:B:15:ARG:N	1:B:15:ARG:CA	1:B:15:ARG:C	1:B:16:ILE:N	11	1.7
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	3	1.7
(1,237)	1:A:134:ASP:N	1:A:134:ASP:CA	1:A:134:ASP:C	1:A:135:ALA:N	1	1.7
(1,230)	1:A:130:PRO:C	1:A:131:VAL:N	1:A:131:VAL:CA	1:A:131:VAL:C	12	1.7
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	20	1.7
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	2	1.7
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	14	1.7
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	17	1.7
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	13	1.7
(1,164)	1:A:93:GLN:C	1:A:94:MET:N	1:A:94:MET:CA	1:A:94:MET:C	8	1.7
(1,157)	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	1:A:91:GLY:N	15	1.7
(1,152)	1:A:87:ALA:C	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	6	1.7
(1,149)	1:A:86:ILE:N	1:A:86:ILE:CA	1:A:86:ILE:C	1:A:87:ALA:N	7	1.7
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	8	1.7
(1,138)	1:A:80:GLN:C	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	13	1.7
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	2	1.7
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	13	1.7
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	8	1.7
(1,1010)	1:D:142:GLN:C	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	11	1.7
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	16	1.7
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	17	1.7
(1,999)	1:D:137:PHE:N	1:D:137:PHE:CA	1:D:137:PHE:C	1:D:138:MET:N	3	1.6
(1,934)	1:D:100:ALA:C	1:D:101:TYR:N	1:D:101:TYR:CA	1:D:101:TYR:C	10	1.6
(1,927)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	16	1.6
(1,909)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	11	1.6
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	9	1.6
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	13	1.6
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	6	1.6
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	19	1.6
(1,852)	1:D:59:VAL:C	1:D:60:LEU:N	1:D:60:LEU:CA	1:D:60:LEU:C	20	1.6
(1,848)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	5	1.6
(1,845)	1:D:56:TYR:N	1:D:56:TYR:CA	1:D:56:TYR:C	1:D:57:GLU:N	16	1.6
(1,835)	1:D:51:LEU:N	1:D:51:LEU:CA	1:D:51:LEU:C	1:D:52:ALA:N	3	1.6
(1,832)	1:D:49:SER:C	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	12	1.6
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	20	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,822)	1:D:44:LEU:C	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	12	1.6
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	20	1.6
(1,809)	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	1:D:38:PRO:N	14	1.6
(1,797)	1:D:31:VAL:N	1:D:31:VAL:CA	1:D:31:VAL:C	1:D:32:PHE:N	4	1.6
(1,784)	1:D:22:SER:C	1:D:23:PHE:N	1:D:23:PHE:CA	1:D:23:PHE:C	12	1.6
(1,76)	1:A:49:SER:C	1:A:50:GLN:N	1:A:50:GLN:CA	1:A:50:GLN:C	17	1.6
(1,754)	1:C:139:ASN:C	1:C:140:TYR:N	1:C:140:TYR:CA	1:C:140:TYR:C	10	1.6
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	2	1.6
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	7	1.6
(1,734)	1:C:128:LEU:C	1:C:129:ALA:N	1:C:129:ALA:CA	1:C:129:ALA:C	12	1.6
(1,730)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	10	1.6
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	11	1.6
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	9	1.6
(1,626)	1:C:71:GLU:C	1:C:72:THR:N	1:C:72:THR:CA	1:C:72:THR:C	3	1.6
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	1	1.6
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	6	1.6
(1,617)	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	1:C:68:LEU:N	19	1.6
(1,614)	1:C:65:THR:C	1:C:66:ALA:N	1:C:66:ALA:CA	1:C:66:ALA:C	14	1.6
(1,613)	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	1:C:66:ALA:N	18	1.6
(1,611)	1:C:64:VAL:N	1:C:64:VAL:CA	1:C:64:VAL:C	1:C:65:THR:N	10	1.6
(1,602)	1:C:59:VAL:C	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	15	1.6
(1,599)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:VAL:N	6	1.6
(1,599)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:VAL:N	7	1.6
(1,598)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	6	1.6
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	19	1.6
(1,572)	1:C:44:LEU:C	1:C:45:ASP:N	1:C:45:ASP:CA	1:C:45:ASP:C	19	1.6
(1,569)	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	1:C:44:LEU:N	2	1.6
(1,557)	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	1:C:37:GLN:N	13	1.6
(1,556)	1:C:35:ASP:C	1:C:36:TRP:N	1:C:36:TRP:CA	1:C:36:TRP:C	18	1.6
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	3	1.6
(1,537)	1:C:24:GLU:N	1:C:24:GLU:CA	1:C:24:GLU:C	1:C:25:ALA:N	5	1.6
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	9	1.6
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	18	1.6
(1,515)	1:C:13:ILE:N	1:C:13:ILE:CA	1:C:13:ILE:C	1:C:14:GLN:N	7	1.6
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	3	1.6
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	9	1.6
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	12	1.6
(1,505)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	16	1.6
(1,479)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	9	1.6
(1,479)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	11	1.6
(1,476)	1:B:125:GLN:C	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	7	1.6
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	4	1.6
(1,472)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	13	1.6
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	2	1.6
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	20	1.6
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	1	1.6
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	2	1.6
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	2	1.6
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	19	1.6
(1,366)	1:B:67:SER:C	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	17	1.6
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	5	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,328)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	11	1.6
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	2	1.6
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	4	1.6
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	15	1.6
(1,319)	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	1:B:45:ASP:N	17	1.6
(1,288)	1:B:26:PRO:C	1:B:27:ASN:N	1:B:27:ASN:CA	1:B:27:ASN:C	19	1.6
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	9	1.6
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	14	1.6
(1,268)	1:B:15:ARG:C	1:B:16:ILE:N	1:B:16:ILE:CA	1:B:16:ILE:C	20	1.6
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	12	1.6
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	15	1.6
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	19	1.6
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	12	1.6
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	9	1.6
(1,156)	1:A:89:ILE:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	6	1.6
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	18	1.6
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	5	1.6
(1,137)	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	1:A:81:GLY:N	16	1.6
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	19	1.6
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	20	1.6
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	17	1.6
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	13	1.6
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	15	1.6
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	20	1.6
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	2	1.6
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	1	1.6
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	10	1.6
(1,1008)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	6	1.6
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	5	1.6
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	20	1.6
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	9	1.5
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	15	1.5
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	14	1.5
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	7	1.5
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	11	1.5
(1,94)	1:A:58:VAL:C	1:A:59:VAL:N	1:A:59:VAL:CA	1:A:59:VAL:C	5	1.5
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	6	1.5
(1,903)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	1	1.5
(1,903)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	4	1.5
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	12	1.5
(1,892)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	3	1.5
(1,883)	1:D:75:LEU:N	1:D:75:LEU:CA	1:D:75:LEU:C	1:D:76:CYS:N	13	1.5
(1,875)	1:D:71:GLU:N	1:D:71:GLU:CA	1:D:71:GLU:C	1:D:72:THR:N	1	1.5
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	12	1.5
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	2	1.5
(1,846)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	10	1.5
(1,846)	1:D:56:TYR:C	1:D:57:GLU:N	1:D:57:GLU:CA	1:D:57:GLU:C	20	1.5
(1,830)	1:D:48:SER:C	1:D:49:SER:N	1:D:49:SER:CA	1:D:49:SER:C	12	1.5
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	8	1.5
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	10	1.5
(1,824)	1:D:45:ASP:C	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	8	1.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	12	1.5
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	15	1.5
(1,787)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	12	1.5
(1,764)	1:D:12:GLN:C	1:D:13:ILE:N	1:D:13:ILE:CA	1:D:13:ILE:C	20	1.5
(1,763)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	8	1.5
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	17	1.5
(1,731)	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	1:C:128:LEU:N	12	1.5
(1,730)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	4	1.5
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	4	1.5
(1,729)	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	1:C:127:ASN:N	2	1.5
(1,726)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	4	1.5
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	19	1.5
(1,69)	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	1:A:47:ALA:N	18	1.5
(1,684)	1:C:100:ALA:C	1:C:101:TYR:N	1:C:101:TYR:CA	1:C:101:TYR:C	6	1.5
(1,679)	1:C:98:LEU:N	1:C:98:LEU:CA	1:C:98:LEU:C	1:C:99:GLY:N	12	1.5
(1,671)	1:C:94:MET:N	1:C:94:MET:CA	1:C:94:MET:C	1:C:95:ALA:N	19	1.5
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	20	1.5
(1,658)	1:C:87:ALA:C	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	3	1.5
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	2	1.5
(1,65)	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	1:A:45:ASP:N	11	1.5
(1,647)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	18	1.5
(1,631)	1:C:74:PHE:N	1:C:74:PHE:CA	1:C:74:PHE:C	1:C:75:LEU:N	11	1.5
(1,605)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	20	1.5
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	10	1.5
(1,598)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	13	1.5
(1,596)	1:C:56:TYR:C	1:C:57:GLU:N	1:C:57:GLU:CA	1:C:57:GLU:C	8	1.5
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	5	1.5
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	17	1.5
(1,568)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	20	1.5
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	2	1.5
(1,550)	1:C:32:PHE:C	1:C:33:GLN:N	1:C:33:GLN:CA	1:C:33:GLN:C	17	1.5
(1,543)	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	1:C:29:PRO:N	3	1.5
(1,542)	1:C:27:ASN:C	1:C:28:ALA:N	1:C:28:ALA:CA	1:C:28:ALA:C	11	1.5
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	3	1.5
(1,53)	1:A:37:GLN:N	1:A:37:GLN:CA	1:A:37:GLN:C	1:A:38:PRO:N	11	1.5
(1,519)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	12	1.5
(1,508)	1:C:9:MET:C	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	2	1.5
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	17	1.5
(1,505)	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	1:B:142:GLN:N	4	1.5
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	1	1.5
(1,477)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	2	1.5
(1,472)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	9	1.5
(1,414)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	8	1.5
(1,403)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	16	1.5
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	9	1.5
(1,348)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	8	1.5
(1,347)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:VAL:N	9	1.5
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	2	1.5
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	6	1.5
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	13	1.5
(1,339)	1:B:54:ASP:N	1:B:54:ASP:CA	1:B:54:ASP:C	1:B:55:VAL:N	4	1.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	6	1.5
(1,313)	1:B:41:LYS:N	1:B:41:LYS:CA	1:B:41:LYS:C	1:B:42:LEU:N	2	1.5
(1,304)	1:B:35:ASP:C	1:B:36:TRP:N	1:B:36:TRP:CA	1:B:36:TRP:C	8	1.5
(1,284)	1:B:23:PHE:C	1:B:24:GLU:N	1:B:24:GLU:CA	1:B:24:GLU:C	3	1.5
(1,274)	1:B:18:THR:C	1:B:19:LYS:N	1:B:19:LYS:CA	1:B:19:LYS:C	13	1.5
(1,229)	1:A:129:ALA:N	1:A:129:ALA:CA	1:A:129:ALA:C	1:A:130:PRO:N	10	1.5
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	11	1.5
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	6	1.5
(1,178)	1:A:100:ALA:C	1:A:101:TYR:N	1:A:101:TYR:CA	1:A:101:TYR:C	20	1.5
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	16	1.5
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	6	1.5
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	6	1.5
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	5	1.5
(1,119)	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	1:A:72:THR:N	3	1.5
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	5	1.5
(1,105)	1:A:64:VAL:N	1:A:64:VAL:CA	1:A:64:VAL:C	1:A:65:THR:N	10	1.5
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	5	1.5
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	1	1.5
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	3	1.4
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	8	1.4
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	12	1.4
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1	1.4
(1,986)	1:D:130:PRO:C	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	6	1.4
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	1	1.4
(1,98)	1:A:60:LEU:C	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	18	1.4
(1,98)	1:A:60:LEU:C	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	19	1.4
(1,927)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	17	1.4
(1,927)	1:D:97:CYS:N	1:D:97:CYS:CA	1:D:97:CYS:C	1:D:98:LEU:N	20	1.4
(1,909)	1:D:88:GLY:N	1:D:88:GLY:CA	1:D:88:GLY:C	1:D:89:ILE:N	8	1.4
(1,907)	1:D:87:ALA:N	1:D:87:ALA:CA	1:D:87:ALA:C	1:D:88:GLY:N	5	1.4
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	20	1.4
(1,903)	1:D:85:SER:N	1:D:85:SER:CA	1:D:85:SER:C	1:D:86:ILE:N	9	1.4
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	6	1.4
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	8	1.4
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	11	1.4
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	12	1.4
(1,89)	1:A:56:TYR:N	1:A:56:TYR:CA	1:A:56:TYR:C	1:A:57:GLU:N	8	1.4
(1,884)	1:D:75:LEU:C	1:D:76:CYS:N	1:D:76:CYS:CA	1:D:76:CYS:C	16	1.4
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	6	1.4
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	7	1.4
(1,869)	1:D:68:LEU:N	1:D:68:LEU:CA	1:D:68:LEU:C	1:D:69:GLY:N	8	1.4
(1,865)	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	1:D:67:SER:N	3	1.4
(1,861)	1:D:64:VAL:N	1:D:64:VAL:CA	1:D:64:VAL:C	1:D:65:THR:N	14	1.4
(1,857)	1:D:62:VAL:N	1:D:62:VAL:CA	1:D:62:VAL:C	1:D:63:THR:N	9	1.4
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	12	1.4
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	2	1.4
(1,812)	1:D:39:GLU:C	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	16	1.4
(1,808)	1:D:36:TRP:C	1:D:37:GLN:N	1:D:37:GLN:CA	1:D:37:GLN:C	19	1.4
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	11	1.4
(1,799)	1:D:32:PHE:N	1:D:32:PHE:CA	1:D:32:PHE:C	1:D:33:GLN:N	18	1.4
(1,786)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	17	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,779)	1:D:20:ASP:N	1:D:20:ASP:CA	1:D:20:ASP:C	1:D:21:ILE:N	2	1.4
(1,762)	1:D:11:PHE:C	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	15	1.4
(1,756)	1:D:8:GLU:C	1:D:9:MET:N	1:D:9:MET:CA	1:D:9:MET:C	7	1.4
(1,730)	1:C:126:LEU:C	1:C:127:ASN:N	1:C:127:ASN:CA	1:C:127:ASN:C	13	1.4
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	19	1.4
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	1	1.4
(1,662)	1:C:89:ILE:C	1:C:90:GLU:N	1:C:90:GLU:CA	1:C:90:GLU:C	9	1.4
(1,66)	1:A:44:LEU:C	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	19	1.4
(1,652)	1:C:84:PHE:C	1:C:85:SER:N	1:C:85:SER:CA	1:C:85:SER:C	14	1.4
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	11	1.4
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	10	1.4
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	18	1.4
(1,61)	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1:A:43:ASP:N	3	1.4
(1,603)	1:C:60:LEU:N	1:C:60:LEU:CA	1:C:60:LEU:C	1:C:61:ARG:N	1	1.4
(1,581)	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	1:C:50:GLN:N	2	1.4
(1,580)	1:C:48:SER:C	1:C:49:SER:N	1:C:49:SER:CA	1:C:49:SER:C	10	1.4
(1,571)	1:C:44:LEU:N	1:C:44:LEU:CA	1:C:44:LEU:C	1:C:45:ASP:N	7	1.4
(1,552)	1:C:33:GLN:C	1:C:34:LYS:N	1:C:34:LYS:CA	1:C:34:LYS:C	18	1.4
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	1	1.4
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	5	1.4
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	13	1.4
(1,527)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	11	1.4
(1,523)	1:C:17:TYR:N	1:C:17:TYR:CA	1:C:17:TYR:C	1:C:18:THR:N	19	1.4
(1,520)	1:C:15:ARG:C	1:C:16:ILE:N	1:C:16:ILE:CA	1:C:16:ILE:C	7	1.4
(1,519)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	7	1.4
(1,519)	1:C:15:ARG:N	1:C:15:ARG:CA	1:C:15:ARG:C	1:C:16:ILE:N	18	1.4
(1,512)	1:C:11:PHE:C	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	13	1.4
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	10	1.4
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	7	1.4
(1,499)	1:B:138:MET:N	1:B:138:MET:CA	1:B:138:MET:C	1:B:139:ASN:N	8	1.4
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	2	1.4
(1,484)	1:B:130:PRO:C	1:B:131:VAL:N	1:B:131:VAL:CA	1:B:131:VAL:C	7	1.4
(1,481)	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	1:B:129:ALA:N	4	1.4
(1,479)	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	1:B:128:LEU:N	15	1.4
(1,475)	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	1:B:126:LEU:N	5	1.4
(1,472)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	4	1.4
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	3	1.4
(1,393)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	16	1.4
(1,391)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	8	1.4
(1,391)	1:B:80:GLN:N	1:B:80:GLN:CA	1:B:80:GLN:C	1:B:81:GLY:N	9	1.4
(1,385)	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	1:B:78:VAL:N	3	1.4
(1,370)	1:B:69:GLY:C	1:B:70:GLU:N	1:B:70:GLU:CA	1:B:70:GLU:C	18	1.4
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	2	1.4
(1,328)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	18	1.4
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	10	1.4
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	5	1.4
(1,319)	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	1:B:45:ASP:N	15	1.4
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	3	1.4
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	12	1.4
(1,274)	1:B:18:THR:C	1:B:19:LYS:N	1:B:19:LYS:CA	1:B:19:LYS:C	7	1.4
(1,262)	1:B:12:GLN:C	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	3	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	14	1.4
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	2	1.4
(1,223)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:ASN:N	14	1.4
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	16	1.4
(1,181)	1:A:102:CYS:N	1:A:102:CYS:CA	1:A:102:CYS:C	1:A:103:PRO:N	8	1.4
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	16	1.4
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	16	1.4
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	8	1.4
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	16	1.4
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	3	1.4
(1,126)	1:A:74:PHE:C	1:A:75:LEU:N	1:A:75:LEU:CA	1:A:75:LEU:C	12	1.4
(1,117)	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	1:A:71:GLU:N	15	1.4
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	5	1.4
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	12	1.4
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	4	1.4
(1,113)	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	1:A:69:GLY:N	16	1.4
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	9	1.4
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	2	1.4
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	18	1.4
(1,1011)	1:D:143:GLN:N	1:D:143:GLN:CA	1:D:143:GLN:C	1:D:144:GLN:N	18	1.4
(1,99)	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	1:A:62:VAL:N	13	1.3
(1,979)	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	1:D:127:ASN:N	13	1.3
(1,97)	1:A:60:LEU:N	1:A:60:LEU:CA	1:A:60:LEU:C	1:A:61:ARG:N	16	1.3
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	13	1.3
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	19	1.3
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	13	1.3
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	15	1.3
(1,892)	1:D:79:GLN:C	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	11	1.3
(1,872)	1:D:69:GLY:C	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	7	1.3
(1,871)	1:D:69:GLY:N	1:D:69:GLY:CA	1:D:69:GLY:C	1:D:70:GLU:N	1	1.3
(1,867)	1:D:67:SER:N	1:D:67:SER:CA	1:D:67:SER:C	1:D:68:LEU:N	17	1.3
(1,864)	1:D:65:THR:C	1:D:66:ALA:N	1:D:66:ALA:CA	1:D:66:ALA:C	1	1.3
(1,863)	1:D:65:THR:N	1:D:65:THR:CA	1:D:65:THR:C	1:D:66:ALA:N	14	1.3
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	17	1.3
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	4	1.3
(1,818)	1:D:42:LEU:C	1:D:43:ASP:N	1:D:43:ASP:CA	1:D:43:ASP:C	5	1.3
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	8	1.3
(1,803)	1:D:34:LYS:N	1:D:34:LYS:CA	1:D:34:LYS:C	1:D:35:ASP:N	16	1.3
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	18	1.3
(1,787)	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	1:D:25:ALA:N	13	1.3
(1,770)	1:D:15:ARG:C	1:D:16:ILE:N	1:D:16:ILE:CA	1:D:16:ILE:C	15	1.3
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	20	1.3
(1,73)	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	1:A:49:SER:N	5	1.3
(1,726)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	5	1.3
(1,723)	1:C:122:THR:N	1:C:122:THR:CA	1:C:122:THR:C	1:C:123:PHE:N	14	1.3
(1,72)	1:A:47:ALA:C	1:A:48:SER:N	1:A:48:SER:CA	1:A:48:SER:C	16	1.3
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	9	1.3
(1,709)	1:C:115:THR:N	1:C:115:THR:CA	1:C:115:THR:C	1:C:116:SER:N	17	1.3
(1,677)	1:C:97:CYS:N	1:C:97:CYS:CA	1:C:97:CYS:C	1:C:98:LEU:N	18	1.3
(1,671)	1:C:94:MET:N	1:C:94:MET:CA	1:C:94:MET:C	1:C:95:ALA:N	15	1.3
(1,67)	1:A:45:ASP:N	1:A:45:ASP:CA	1:A:45:ASP:C	1:A:46:THR:N	18	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,657)	1:C:87:ALA:N	1:C:87:ALA:CA	1:C:87:ALA:C	1:C:88:GLY:N	11	1.3
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	16	1.3
(1,64)	1:A:43:ASP:C	1:A:44:LEU:N	1:A:44:LEU:CA	1:A:44:LEU:C	7	1.3
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	15	1.3
(1,634)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	7	1.3
(1,626)	1:C:71:GLU:C	1:C:72:THR:N	1:C:72:THR:CA	1:C:72:THR:C	10	1.3
(1,617)	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	1:C:68:LEU:N	20	1.3
(1,612)	1:C:64:VAL:C	1:C:65:THR:N	1:C:65:THR:CA	1:C:65:THR:C	17	1.3
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	20	1.3
(1,593)	1:C:55:VAL:N	1:C:55:VAL:CA	1:C:55:VAL:C	1:C:56:TYR:N	8	1.3
(1,583)	1:C:50:GLN:N	1:C:50:GLN:CA	1:C:50:GLN:C	1:C:51:LEU:N	6	1.3
(1,571)	1:C:44:LEU:N	1:C:44:LEU:CA	1:C:44:LEU:C	1:C:45:ASP:N	3	1.3
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	11	1.3
(1,555)	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	1:C:36:TRP:N	16	1.3
(1,54)	1:A:38:PRO:C	1:A:39:GLU:N	1:A:39:GLU:CA	1:A:39:GLU:C	8	1.3
(1,526)	1:C:18:THR:C	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	19	1.3
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	11	1.3
(1,513)	1:C:12:GLN:N	1:C:12:GLN:CA	1:C:12:GLN:C	1:C:13:ILE:N	11	1.3
(1,504)	1:B:140:TYR:C	1:B:141:LEU:N	1:B:141:LEU:CA	1:B:141:LEU:C	2	1.3
(1,503)	1:B:140:TYR:N	1:B:140:TYR:CA	1:B:140:TYR:C	1:B:141:LEU:N	2	1.3
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	10	1.3
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	15	1.3
(1,497)	1:B:137:PHE:N	1:B:137:PHE:CA	1:B:137:PHE:C	1:B:138:MET:N	4	1.3
(1,481)	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	1:B:129:ALA:N	15	1.3
(1,474)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	4	1.3
(1,474)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	16	1.3
(1,474)	1:B:124:PRO:C	1:B:125:GLN:N	1:B:125:GLN:CA	1:B:125:GLN:C	18	1.3
(1,47)	1:A:34:LYS:N	1:A:34:LYS:CA	1:A:34:LYS:C	1:A:35:ASP:N	6	1.3
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	10	1.3
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	11	1.3
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	17	1.3
(1,404)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	8	1.3
(1,404)	1:B:86:ILE:C	1:B:87:ALA:N	1:B:87:ALA:CA	1:B:87:ALA:C	13	1.3
(1,4)	1:A:10:THR:C	1:A:11:PHE:N	1:A:11:PHE:CA	1:A:11:PHE:C	18	1.3
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	13	1.3
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	2	1.3
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	13	1.3
(1,393)	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	1:B:82:GLY:N	2	1.3
(1,384)	1:B:76:CYS:C	1:B:77:GLU:N	1:B:77:GLU:CA	1:B:77:GLU:C	5	1.3
(1,365)	1:B:67:SER:N	1:B:67:SER:CA	1:B:67:SER:C	1:B:68:LEU:N	9	1.3
(1,344)	1:B:56:TYR:C	1:B:57:GLU:N	1:B:57:GLU:CA	1:B:57:GLU:C	3	1.3
(1,34)	1:A:26:PRO:C	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	19	1.3
(1,330)	1:B:49:SER:C	1:B:50:GLN:N	1:B:50:GLN:CA	1:B:50:GLN:C	8	1.3
(1,328)	1:B:48:SER:C	1:B:49:SER:N	1:B:49:SER:CA	1:B:49:SER:C	15	1.3
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	14	1.3
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	3	1.3
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	4	1.3
(1,291)	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	1:B:29:PRO:N	14	1.3
(1,287)	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	1:B:26:PRO:N	7	1.3
(1,263)	1:B:13:ILE:N	1:B:13:ILE:CA	1:B:13:ILE:C	1:B:14:GLN:N	5	1.3
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	4	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,257)	1:B:10:THR:N	1:B:10:THR:CA	1:B:10:THR:C	1:B:11:PHE:N	4	1.3
(1,227)	1:A:128:LEU:N	1:A:128:LEU:CA	1:A:128:LEU:C	1:A:129:ALA:N	19	1.3
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	6	1.3
(1,222)	1:A:125:GLN:C	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	7	1.3
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	1	1.3
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	19	1.3
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	17	1.3
(1,155)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:GLU:N	9	1.3
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	2	1.3
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	7	1.3
(1,141)	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	1:A:83:ILE:N	6	1.3
(1,140)	1:A:81:GLY:C	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	4	1.3
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	2	1.3
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	5	1.3
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	11	1.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	7	1.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	11	1.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	15	1.3
(1,134)	1:A:78:VAL:C	1:A:79:GLN:N	1:A:79:GLN:CA	1:A:79:GLN:C	18	1.3
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	1	1.3
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	6	1.3
(1,118)	1:A:70:GLU:C	1:A:71:GLU:N	1:A:71:GLU:CA	1:A:71:GLU:C	13	1.3
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	9	1.3
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	10	1.3
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	15	1.3
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	8	1.3
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	6	1.3
(1,1012)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	5	1.3
(1,1012)	1:D:143:GLN:C	1:D:144:GLN:N	1:D:144:GLN:CA	1:D:144:GLN:C	14	1.3
(1,1009)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	3	1.3
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	11	1.3
(1,100)	1:A:61:ARG:C	1:A:62:VAL:N	1:A:62:VAL:CA	1:A:62:VAL:C	12	1.3
(1,987)	1:D:131:VAL:N	1:D:131:VAL:CA	1:D:131:VAL:C	1:D:132:ASN:N	15	1.2
(1,98)	1:A:60:LEU:C	1:A:61:ARG:N	1:A:61:ARG:CA	1:A:61:ARG:C	2	1.2
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	9	1.2
(1,978)	1:D:125:GLN:C	1:D:126:LEU:N	1:D:126:LEU:CA	1:D:126:LEU:C	10	1.2
(1,938)	1:D:103:PRO:C	1:D:104:ASN:N	1:D:104:ASN:CA	1:D:104:ASN:C	2	1.2
(1,904)	1:D:85:SER:C	1:D:86:ILE:N	1:D:86:ILE:CA	1:D:86:ILE:C	5	1.2
(1,893)	1:D:80:GLN:N	1:D:80:GLN:CA	1:D:80:GLN:C	1:D:81:GLY:N	2	1.2
(1,887)	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	1:D:78:VAL:N	16	1.2
(1,886)	1:D:76:CYS:C	1:D:77:GLU:N	1:D:77:GLU:CA	1:D:77:GLU:C	4	1.2
(1,876)	1:D:71:GLU:C	1:D:72:THR:N	1:D:72:THR:CA	1:D:72:THR:C	3	1.2
(1,873)	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	1:D:71:GLU:N	11	1.2
(1,872)	1:D:69:GLY:C	1:D:70:GLU:N	1:D:70:GLU:CA	1:D:70:GLU:C	18	1.2
(1,85)	1:A:54:ASP:N	1:A:54:ASP:CA	1:A:54:ASP:C	1:A:55:VAL:N	11	1.2
(1,848)	1:D:57:GLU:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	20	1.2
(1,833)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	10	1.2
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	13	1.2
(1,826)	1:D:46:THR:C	1:D:47:ALA:N	1:D:47:ALA:CA	1:D:47:ALA:C	3	1.2
(1,824)	1:D:45:ASP:C	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	20	1.2
(1,813)	1:D:40:VAL:N	1:D:40:VAL:CA	1:D:40:VAL:C	1:D:41:LYS:N	1	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,807)	1:D:36:TRP:N	1:D:36:TRP:CA	1:D:36:TRP:C	1:D:37:GLN:N	7	1.2
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	2	1.2
(1,805)	1:D:35:ASP:N	1:D:35:ASP:CA	1:D:35:ASP:C	1:D:36:TRP:N	13	1.2
(1,80)	1:A:51:LEU:C	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	7	1.2
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	20	1.2
(1,786)	1:D:23:PHE:C	1:D:24:GLU:N	1:D:24:GLU:CA	1:D:24:GLU:C	15	1.2
(1,758)	1:D:9:MET:C	1:D:10:THR:N	1:D:10:THR:CA	1:D:10:THR:C	18	1.2
(1,726)	1:C:124:PRO:C	1:C:125:GLN:N	1:C:125:GLN:CA	1:C:125:GLN:C	12	1.2
(1,71)	1:A:47:ALA:N	1:A:47:ALA:CA	1:A:47:ALA:C	1:A:48:SER:N	14	1.2
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	7	1.2
(1,679)	1:C:98:LEU:N	1:C:98:LEU:CA	1:C:98:LEU:C	1:C:99:GLY:N	6	1.2
(1,673)	1:C:95:ALA:N	1:C:95:ALA:CA	1:C:95:ALA:C	1:C:96:HIS:N	8	1.2
(1,659)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	10	1.2
(1,654)	1:C:85:SER:C	1:C:86:ILE:N	1:C:86:ILE:CA	1:C:86:ILE:C	3	1.2
(1,647)	1:C:82:GLY:N	1:C:82:GLY:CA	1:C:82:GLY:C	1:C:83:ILE:N	7	1.2
(1,643)	1:C:80:GLN:N	1:C:80:GLN:CA	1:C:80:GLN:C	1:C:81:GLY:N	2	1.2
(1,642)	1:C:79:GLN:C	1:C:80:GLN:N	1:C:80:GLN:CA	1:C:80:GLN:C	14	1.2
(1,639)	1:C:78:VAL:N	1:C:78:VAL:CA	1:C:78:VAL:C	1:C:79:GLN:N	19	1.2
(1,634)	1:C:75:LEU:C	1:C:76:CYS:N	1:C:76:CYS:CA	1:C:76:CYS:C	10	1.2
(1,63)	1:A:43:ASP:N	1:A:43:ASP:CA	1:A:43:ASP:C	1:A:44:LEU:N	10	1.2
(1,622)	1:C:69:GLY:C	1:C:70:GLU:N	1:C:70:GLU:CA	1:C:70:GLU:C	7	1.2
(1,617)	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	1:C:68:LEU:N	1	1.2
(1,610)	1:C:63:THR:C	1:C:64:VAL:N	1:C:64:VAL:CA	1:C:64:VAL:C	15	1.2
(1,606)	1:C:61:ARG:C	1:C:62:VAL:N	1:C:62:VAL:CA	1:C:62:VAL:C	10	1.2
(1,605)	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	1:C:62:VAL:N	9	1.2
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	9	1.2
(1,598)	1:C:57:GLU:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	2	1.2
(1,591)	1:C:54:ASP:N	1:C:54:ASP:CA	1:C:54:ASP:C	1:C:55:VAL:N	17	1.2
(1,59)	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	1:A:42:LEU:N	13	1.2
(1,574)	1:C:45:ASP:C	1:C:46:THR:N	1:C:46:THR:CA	1:C:46:THR:C	10	1.2
(1,567)	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	1:C:43:ASP:N	14	1.2
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	4	1.2
(1,565)	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	1:C:42:LEU:N	18	1.2
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	19	1.2
(1,545)	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	1:C:31:VAL:N	7	1.2
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	17	1.2
(1,541)	1:C:27:ASN:N	1:C:27:ASN:CA	1:C:27:ASN:C	1:C:28:ALA:N	7	1.2
(1,533)	1:C:22:SER:N	1:C:22:SER:CA	1:C:22:SER:C	1:C:23:PHE:N	4	1.2
(1,527)	1:C:19:LYS:N	1:C:19:LYS:CA	1:C:19:LYS:C	1:C:20:ASP:N	4	1.2
(1,517)	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	1:C:15:ARG:N	10	1.2
(1,510)	1:C:10:THR:C	1:C:11:PHE:N	1:C:11:PHE:CA	1:C:11:PHE:C	14	1.2
(1,51)	1:A:36:TRP:N	1:A:36:TRP:CA	1:A:36:TRP:C	1:A:37:GLN:N	18	1.2
(1,508)	1:C:9:MET:C	1:C:10:THR:N	1:C:10:THR:CA	1:C:10:THR:C	16	1.2
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	10	1.2
(1,506)	1:C:8:GLU:C	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	16	1.2
(1,481)	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	1:B:129:ALA:N	5	1.2
(1,480)	1:B:127:ASN:C	1:B:128:LEU:N	1:B:128:LEU:CA	1:B:128:LEU:C	19	1.2
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	10	1.2
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	19	1.2
(1,477)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	17	1.2
(1,469)	1:B:121:GLY:N	1:B:121:GLY:CA	1:B:121:GLY:C	1:B:122:THR:N	19	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	2	1.2
(1,44)	1:A:32:PHE:C	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	7	1.2
(1,425)	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	1:B:98:LEU:N	18	1.2
(1,424)	1:B:96:HIS:C	1:B:97:CYS:N	1:B:97:CYS:CA	1:B:97:CYS:C	13	1.2
(1,399)	1:B:84:PHE:N	1:B:84:PHE:CA	1:B:84:PHE:C	1:B:85:SER:N	6	1.2
(1,396)	1:B:82:GLY:C	1:B:83:ILE:N	1:B:83:ILE:CA	1:B:83:ILE:C	7	1.2
(1,395)	1:B:82:GLY:N	1:B:82:GLY:CA	1:B:82:GLY:C	1:B:83:ILE:N	7	1.2
(1,373)	1:B:71:GLU:N	1:B:71:GLU:CA	1:B:71:GLU:C	1:B:72:THR:N	18	1.2
(1,367)	1:B:68:LEU:N	1:B:68:LEU:CA	1:B:68:LEU:C	1:B:69:GLY:N	6	1.2
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	9	1.2
(1,35)	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	1:A:28:ALA:N	12	1.2
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	12	1.2
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	17	1.2
(1,343)	1:B:56:TYR:N	1:B:56:TYR:CA	1:B:56:TYR:C	1:B:57:GLU:N	19	1.2
(1,340)	1:B:54:ASP:C	1:B:55:VAL:N	1:B:55:VAL:CA	1:B:55:VAL:C	7	1.2
(1,323)	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1:B:47:ALA:N	7	1.2
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	1	1.2
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	7	1.2
(1,322)	1:B:45:ASP:C	1:B:46:THR:N	1:B:46:THR:CA	1:B:46:THR:C	15	1.2
(1,320)	1:B:44:LEU:C	1:B:45:ASP:N	1:B:45:ASP:CA	1:B:45:ASP:C	4	1.2
(1,318)	1:B:43:ASP:C	1:B:44:LEU:N	1:B:44:LEU:CA	1:B:44:LEU:C	19	1.2
(1,317)	1:B:43:ASP:N	1:B:43:ASP:CA	1:B:43:ASP:C	1:B:44:LEU:N	1	1.2
(1,306)	1:B:36:TRP:C	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	20	1.2
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	16	1.2
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	17	1.2
(1,286)	1:B:24:GLU:C	1:B:25:ALA:N	1:B:25:ALA:CA	1:B:25:ALA:C	18	1.2
(1,261)	1:B:12:GLN:N	1:B:12:GLN:CA	1:B:12:GLN:C	1:B:13:ILE:N	16	1.2
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	13	1.2
(1,251)	1:A:141:LEU:N	1:A:141:LEU:CA	1:A:141:LEU:C	1:A:142:GLN:N	17	1.2
(1,214)	1:A:120:ARG:C	1:A:121:GLY:N	1:A:121:GLY:CA	1:A:121:GLY:C	12	1.2
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	9	1.2
(1,175)	1:A:99:GLY:N	1:A:99:GLY:CA	1:A:99:GLY:C	1:A:100:ALA:N	5	1.2
(1,173)	1:A:98:LEU:N	1:A:98:LEU:CA	1:A:98:LEU:C	1:A:99:GLY:N	11	1.2
(1,173)	1:A:98:LEU:N	1:A:98:LEU:CA	1:A:98:LEU:C	1:A:99:GLY:N	12	1.2
(1,173)	1:A:98:LEU:N	1:A:98:LEU:CA	1:A:98:LEU:C	1:A:99:GLY:N	14	1.2
(1,171)	1:A:97:CYS:N	1:A:97:CYS:CA	1:A:97:CYS:C	1:A:98:LEU:N	2	1.2
(1,159)	1:A:91:GLY:N	1:A:91:GLY:CA	1:A:91:GLY:C	1:A:92:THR:N	15	1.2
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	5	1.2
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	13	1.2
(1,153)	1:A:88:GLY:N	1:A:88:GLY:CA	1:A:88:GLY:C	1:A:89:ILE:N	15	1.2
(1,145)	1:A:84:PHE:N	1:A:84:PHE:CA	1:A:84:PHE:C	1:A:85:SER:N	6	1.2
(1,140)	1:A:81:GLY:C	1:A:82:GLY:N	1:A:82:GLY:CA	1:A:82:GLY:C	12	1.2
(1,139)	1:A:81:GLY:N	1:A:81:GLY:CA	1:A:81:GLY:C	1:A:82:GLY:N	3	1.2
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	14	1.2
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	3	1.2
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	13	1.2
(1,131)	1:A:77:GLU:N	1:A:77:GLU:CA	1:A:77:GLU:C	1:A:78:VAL:N	18	1.2
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1	1.2
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	3	1.2
(1,128)	1:A:75:LEU:C	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	19	1.2
(1,115)	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	1:A:70:GLU:N	12	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	9	1.2
(1,11)	1:A:14:GLN:N	1:A:14:GLN:CA	1:A:14:GLN:C	1:A:15:ARG:N	12	1.2
(1,1009)	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	1:D:143:GLN:N	2	1.2
(1,1007)	1:D:141:LEU:N	1:D:141:LEU:CA	1:D:141:LEU:C	1:D:142:GLN:N	20	1.2
(1,982)	1:D:127:ASN:C	1:D:128:LEU:N	1:D:128:LEU:CA	1:D:128:LEU:C	5	1.1
(1,980)	1:D:126:LEU:C	1:D:127:ASN:N	1:D:127:ASN:CA	1:D:127:ASN:C	16	1.1
(1,976)	1:D:124:PRO:C	1:D:125:GLN:N	1:D:125:GLN:CA	1:D:125:GLN:C	2	1.1
(1,97)	1:A:60:LEU:N	1:A:60:LEU:CA	1:A:60:LEU:C	1:A:61:ARG:N	13	1.1
(1,915)	1:D:91:GLY:N	1:D:91:GLY:CA	1:D:91:GLY:C	1:D:92:THR:N	17	1.1
(1,898)	1:D:82:GLY:C	1:D:83:ILE:N	1:D:83:ILE:CA	1:D:83:ILE:C	3	1.1
(1,897)	1:D:82:GLY:N	1:D:82:GLY:CA	1:D:82:GLY:C	1:D:83:ILE:N	6	1.1
(1,895)	1:D:81:GLY:N	1:D:81:GLY:CA	1:D:81:GLY:C	1:D:82:GLY:N	2	1.1
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	1	1.1
(1,890)	1:D:78:VAL:C	1:D:79:GLN:N	1:D:79:GLN:CA	1:D:79:GLN:C	14	1.1
(1,833)	1:D:50:GLN:N	1:D:50:GLN:CA	1:D:50:GLN:C	1:D:51:LEU:N	6	1.1
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	11	1.1
(1,829)	1:D:48:SER:N	1:D:48:SER:CA	1:D:48:SER:C	1:D:49:SER:N	19	1.1
(1,825)	1:D:46:THR:N	1:D:46:THR:CA	1:D:46:THR:C	1:D:47:ALA:N	16	1.1
(1,822)	1:D:44:LEU:C	1:D:45:ASP:N	1:D:45:ASP:CA	1:D:45:ASP:C	18	1.1
(1,821)	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	1:D:45:ASP:N	15	1.1
(1,820)	1:D:43:ASP:C	1:D:44:LEU:N	1:D:44:LEU:CA	1:D:44:LEU:C	13	1.1
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	4	1.1
(1,816)	1:D:41:LYS:C	1:D:42:LEU:N	1:D:42:LEU:CA	1:D:42:LEU:C	13	1.1
(1,791)	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	1:D:28:ALA:N	4	1.1
(1,790)	1:D:26:PRO:C	1:D:27:ASN:N	1:D:27:ASN:CA	1:D:27:ASN:C	6	1.1
(1,763)	1:D:12:GLN:N	1:D:12:GLN:CA	1:D:12:GLN:C	1:D:13:ILE:N	12	1.1
(1,753)	1:C:139:ASN:N	1:C:139:ASN:CA	1:C:139:ASN:C	1:C:140:TYR:N	18	1.1
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	10	1.1
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	13	1.1
(1,751)	1:C:138:MET:N	1:C:138:MET:CA	1:C:138:MET:C	1:C:139:ASN:N	16	1.1
(1,749)	1:C:137:PHE:N	1:C:137:PHE:CA	1:C:137:PHE:C	1:C:138:MET:N	16	1.1
(1,738)	1:C:131:VAL:C	1:C:132:ASN:N	1:C:132:ASN:CA	1:C:132:ASN:C	5	1.1
(1,736)	1:C:130:PRO:C	1:C:131:VAL:N	1:C:131:VAL:CA	1:C:131:VAL:C	19	1.1
(1,728)	1:C:125:GLN:C	1:C:126:LEU:N	1:C:126:LEU:CA	1:C:126:LEU:C	18	1.1
(1,68)	1:A:45:ASP:C	1:A:46:THR:N	1:A:46:THR:CA	1:A:46:THR:C	13	1.1
(1,661)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:GLU:N	17	1.1
(1,659)	1:C:88:GLY:N	1:C:88:GLY:CA	1:C:88:GLY:C	1:C:89:ILE:N	1	1.1
(1,648)	1:C:82:GLY:C	1:C:83:ILE:N	1:C:83:ILE:CA	1:C:83:ILE:C	8	1.1
(1,640)	1:C:78:VAL:C	1:C:79:GLN:N	1:C:79:GLN:CA	1:C:79:GLN:C	6	1.1
(1,619)	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	1:C:69:GLY:N	16	1.1
(1,618)	1:C:67:SER:C	1:C:68:LEU:N	1:C:68:LEU:CA	1:C:68:LEU:C	14	1.1
(1,616)	1:C:66:ALA:C	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	3	1.1
(1,616)	1:C:66:ALA:C	1:C:67:SER:N	1:C:67:SER:CA	1:C:67:SER:C	4	1.1
(1,604)	1:C:60:LEU:C	1:C:61:ARG:N	1:C:61:ARG:CA	1:C:61:ARG:C	6	1.1
(1,60)	1:A:41:LYS:C	1:A:42:LEU:N	1:A:42:LEU:CA	1:A:42:LEU:C	1	1.1
(1,58)	1:A:40:VAL:C	1:A:41:LYS:N	1:A:41:LYS:CA	1:A:41:LYS:C	18	1.1
(1,568)	1:C:42:LEU:C	1:C:43:ASP:N	1:C:43:ASP:CA	1:C:43:ASP:C	7	1.1
(1,566)	1:C:41:LYS:C	1:C:42:LEU:N	1:C:42:LEU:CA	1:C:42:LEU:C	17	1.1
(1,564)	1:C:40:VAL:C	1:C:41:LYS:N	1:C:41:LYS:CA	1:C:41:LYS:C	7	1.1
(1,560)	1:C:38:PRO:C	1:C:39:GLU:N	1:C:39:GLU:CA	1:C:39:GLU:C	17	1.1
(1,554)	1:C:34:LYS:C	1:C:35:ASP:N	1:C:35:ASP:CA	1:C:35:ASP:C	6	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,544)	1:C:29:PRO:C	1:C:30:HIS:N	1:C:30:HIS:CA	1:C:30:HIS:C	15	1.1
(1,516)	1:C:13:ILE:C	1:C:14:GLN:N	1:C:14:GLN:CA	1:C:14:GLN:C	13	1.1
(1,507)	1:C:9:MET:N	1:C:9:MET:CA	1:C:9:MET:C	1:C:10:THR:N	5	1.1
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	4	1.1
(1,500)	1:B:138:MET:C	1:B:139:ASN:N	1:B:139:ASN:CA	1:B:139:ASN:C	17	1.1
(1,478)	1:B:126:LEU:C	1:B:127:ASN:N	1:B:127:ASN:CA	1:B:127:ASN:C	8	1.1
(1,477)	1:B:126:LEU:N	1:B:126:LEU:CA	1:B:126:LEU:C	1:B:127:ASN:N	7	1.1
(1,472)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	5	1.1
(1,472)	1:B:122:THR:C	1:B:123:PHE:N	1:B:123:PHE:CA	1:B:123:PHE:C	10	1.1
(1,471)	1:B:122:THR:N	1:B:122:THR:CA	1:B:122:THR:C	1:B:123:PHE:N	10	1.1
(1,453)	1:B:113:CYS:N	1:B:113:CYS:CA	1:B:113:CYS:C	1:B:114:ILE:N	18	1.1
(1,45)	1:A:33:GLN:N	1:A:33:GLN:CA	1:A:33:GLN:C	1:A:34:LYS:N	1	1.1
(1,414)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	12	1.1
(1,414)	1:B:91:GLY:C	1:B:92:THR:N	1:B:92:THR:CA	1:B:92:THR:C	16	1.1
(1,410)	1:B:89:ILE:C	1:B:90:GLU:N	1:B:90:GLU:CA	1:B:90:GLU:C	1	1.1
(1,403)	1:B:86:ILE:N	1:B:86:ILE:CA	1:B:86:ILE:C	1:B:87:ALA:N	9	1.1
(1,400)	1:B:84:PHE:C	1:B:85:SER:N	1:B:85:SER:CA	1:B:85:SER:C	8	1.1
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	4	1.1
(1,392)	1:B:80:GLN:C	1:B:81:GLY:N	1:B:81:GLY:CA	1:B:81:GLY:C	8	1.1
(1,381)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:CYS:N	3	1.1
(1,356)	1:B:62:VAL:C	1:B:63:THR:N	1:B:63:THR:CA	1:B:63:THR:C	4	1.1
(1,354)	1:B:61:ARG:C	1:B:62:VAL:N	1:B:62:VAL:CA	1:B:62:VAL:C	2	1.1
(1,352)	1:B:60:LEU:C	1:B:61:ARG:N	1:B:61:ARG:CA	1:B:61:ARG:C	12	1.1
(1,350)	1:B:59:VAL:C	1:B:60:LEU:N	1:B:60:LEU:CA	1:B:60:LEU:C	16	1.1
(1,348)	1:B:58:VAL:C	1:B:59:VAL:N	1:B:59:VAL:CA	1:B:59:VAL:C	13	1.1
(1,34)	1:A:26:PRO:C	1:A:27:ASN:N	1:A:27:ASN:CA	1:A:27:ASN:C	1	1.1
(1,326)	1:B:47:ALA:C	1:B:48:SER:N	1:B:48:SER:CA	1:B:48:SER:C	11	1.1
(1,325)	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	1:B:48:SER:N	16	1.1
(1,324)	1:B:46:THR:C	1:B:47:ALA:N	1:B:47:ALA:CA	1:B:47:ALA:C	14	1.1
(1,32)	1:A:24:GLU:C	1:A:25:ALA:N	1:A:25:ALA:CA	1:A:25:ALA:C	8	1.1
(1,314)	1:B:41:LYS:C	1:B:42:LEU:N	1:B:42:LEU:CA	1:B:42:LEU:C	10	1.1
(1,309)	1:B:39:GLU:N	1:B:39:GLU:CA	1:B:39:GLU:C	1:B:40:VAL:N	15	1.1
(1,307)	1:B:37:GLN:N	1:B:37:GLN:CA	1:B:37:GLN:C	1:B:38:PRO:N	17	1.1
(1,303)	1:B:35:ASP:N	1:B:35:ASP:CA	1:B:35:ASP:C	1:B:36:TRP:N	11	1.1
(1,300)	1:B:33:GLN:C	1:B:34:LYS:N	1:B:34:LYS:CA	1:B:34:LYS:C	1	1.1
(1,290)	1:B:27:ASN:C	1:B:28:ALA:N	1:B:28:ALA:CA	1:B:28:ALA:C	9	1.1
(1,272)	1:B:17:TYR:C	1:B:18:THR:N	1:B:18:THR:CA	1:B:18:THR:C	12	1.1
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	2	1.1
(1,265)	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	1:B:15:ARG:N	3	1.1
(1,264)	1:B:13:ILE:C	1:B:14:GLN:N	1:B:14:GLN:CA	1:B:14:GLN:C	4	1.1
(1,258)	1:B:10:THR:C	1:B:11:PHE:N	1:B:11:PHE:CA	1:B:11:PHE:C	11	1.1
(1,253)	1:A:142:GLN:N	1:A:142:GLN:CA	1:A:142:GLN:C	1:A:143:GLN:N	4	1.1
(1,249)	1:A:140:TYR:N	1:A:140:TYR:CA	1:A:140:TYR:C	1:A:141:LEU:N	15	1.1
(1,2)	1:A:9:MET:C	1:A:10:THR:N	1:A:10:THR:CA	1:A:10:THR:C	6	1.1
(1,176)	1:A:99:GLY:C	1:A:100:ALA:N	1:A:100:ALA:CA	1:A:100:ALA:C	3	1.1
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	1	1.1
(1,161)	1:A:92:THR:N	1:A:92:THR:CA	1:A:92:THR:C	1:A:93:GLN:N	11	1.1
(1,154)	1:A:88:GLY:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	14	1.1
(1,146)	1:A:84:PHE:C	1:A:85:SER:N	1:A:85:SER:CA	1:A:85:SER:C	16	1.1
(1,142)	1:A:82:GLY:C	1:A:83:ILE:N	1:A:83:ILE:CA	1:A:83:ILE:C	17	1.1
(1,136)	1:A:79:GLN:C	1:A:80:GLN:N	1:A:80:GLN:CA	1:A:80:GLN:C	19	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,133)	1:A:78:VAL:N	1:A:78:VAL:CA	1:A:78:VAL:C	1:A:79:GLN:N	19	1.1
(1,129)	1:A:76:CYS:N	1:A:76:CYS:CA	1:A:76:CYS:C	1:A:77:GLU:N	3	1.1
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	5	1.1
(1,116)	1:A:69:GLY:C	1:A:70:GLU:N	1:A:70:GLU:CA	1:A:70:GLU:C	7	1.1
(1,114)	1:A:68:LEU:C	1:A:69:GLY:N	1:A:69:GLY:CA	1:A:69:GLY:C	2	1.1
(1,112)	1:A:67:SER:C	1:A:68:LEU:N	1:A:68:LEU:CA	1:A:68:LEU:C	16	1.1
(1,111)	1:A:67:SER:N	1:A:67:SER:CA	1:A:67:SER:C	1:A:68:LEU:N	12	1.1
(1,106)	1:A:64:VAL:C	1:A:65:THR:N	1:A:65:THR:CA	1:A:65:THR:C	5	1.1
(1,1008)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	9	1.1
(1,1008)	1:D:141:LEU:C	1:D:142:GLN:N	1:D:142:GLN:CA	1:D:142:GLN:C	17	1.1