



Full wwPDB NMR Structure Validation Report ⓘ

Jun 3, 2023 – 09:57 PM EDT

PDB ID : 7SWJ
BMRB ID : 50135
Title : KirBac1.1 mutant - I131C
Authors : Amani, R.; Wylie, B.J.
Deposited on : 2021-11-19

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

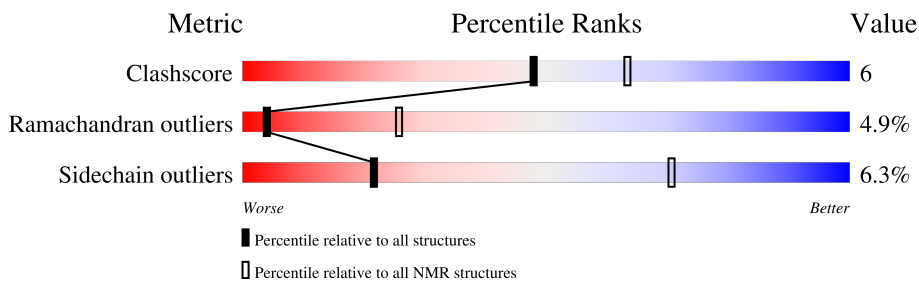
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLID-STATE NMR

The overall completeness of chemical shifts assignment is 9%.

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	333	61% 11% • 17% 10%
1	B	333	61% 12% • 17% 10%
1	C	333	61% 12% • 17% 10%
1	D	333	61% 12% • 17% 10%

2 Ensemble composition and analysis i

This entry contains 10 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:3-A:6, A:23-A:31, A:44-A:153, A:161-A:281, B:3-B:6, B:23-B:31, B:44-B:153, B:161-B:281, C:3-C:6, C:23-C:31, C:44-C:153, C:161-C:281, D:3-D:6, D:23-D:31, D:44-D:153, D:161-D:281 (976)	0.52	1

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

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

The models can be grouped into 2 clusters and 5 single-model clusters were found.

Cluster number	Models
1	1, 9, 10
2	3, 4
Single-model clusters	2; 5; 6; 7; 8

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 18860 atoms, of which 9332 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Inward rectifier potassium channel.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	301	4715	1524	2333	425	415	18	0
1	B	301	4715	1524	2333	425	415	18	0
1	C	301	4715	1524	2333	425	415	18	0
1	D	301	4715	1524	2333	425	415	18	0

There are 4 discrepancies between the modelled and reference sequences:

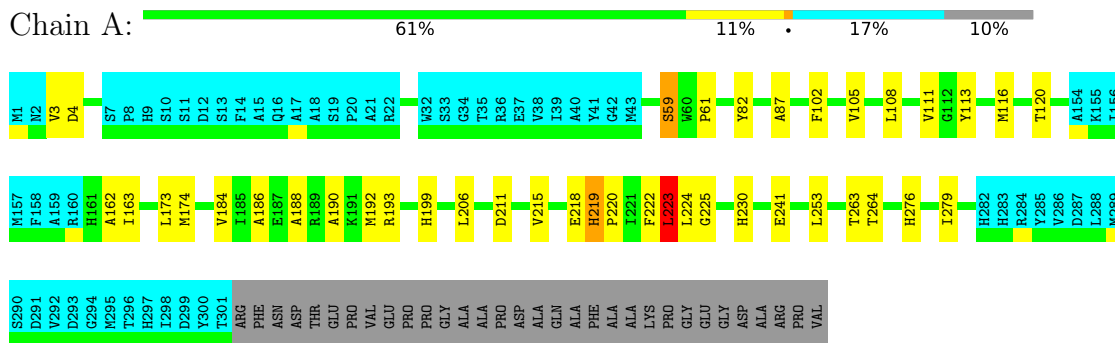
Chain	Residue	Modelled	Actual	Comment	Reference
A	131	CYS	ILE	engineered mutation	UNP P83698
B	131	CYS	ILE	engineered mutation	UNP P83698
C	131	CYS	ILE	engineered mutation	UNP P83698
D	131	CYS	ILE	engineered mutation	UNP P83698

4 Residue-property plots [i](#)

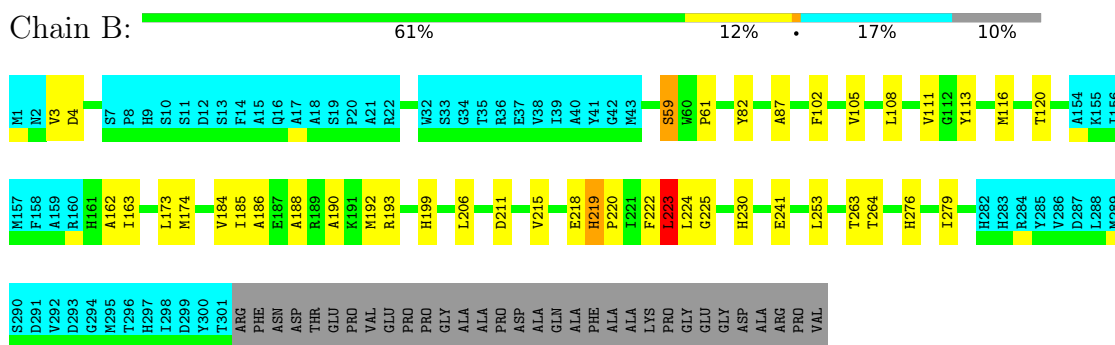
4.1 Average score per residue in the NMR ensemble

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.

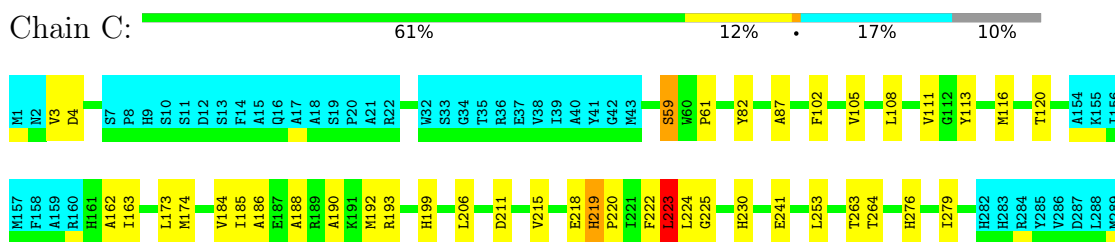
- Molecule 1: Inward rectifier potassium channel

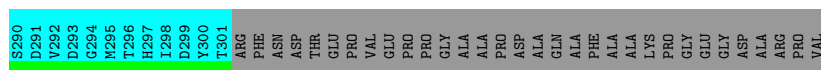


- Molecule 1: Inward rectifier potassium channel



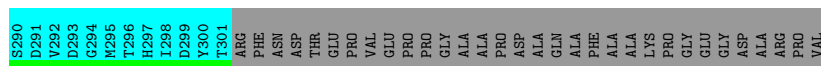
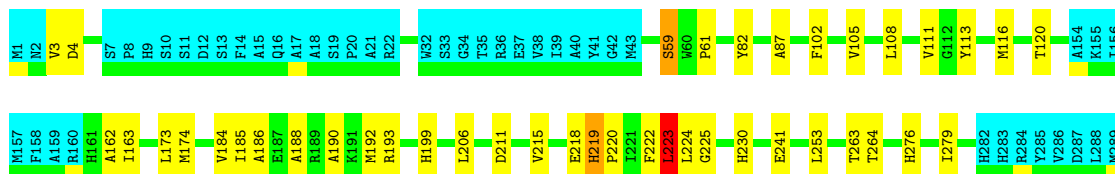
- Molecule 1: Inward rectifier potassium channel





- Molecule 1: Inward rectifier potassium channel

Chain D: 61% 12% 17% 10%



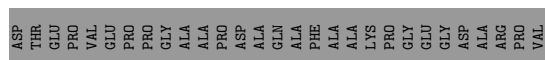
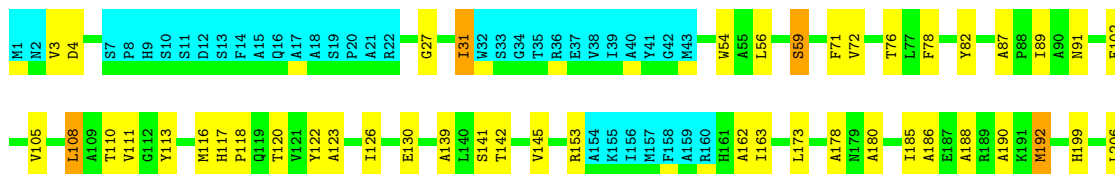
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

- Molecule 1: Inward rectifier potassium channel

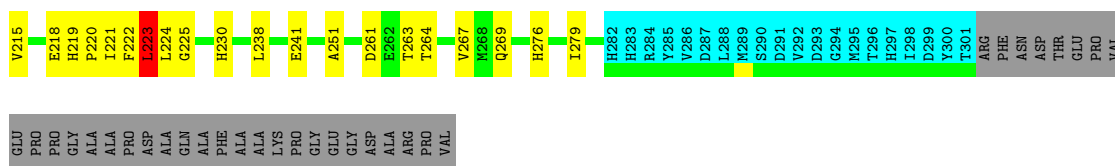
Chain A: 53% 19% 17% 10%



- Molecule 1: Inward rectifier potassium channel

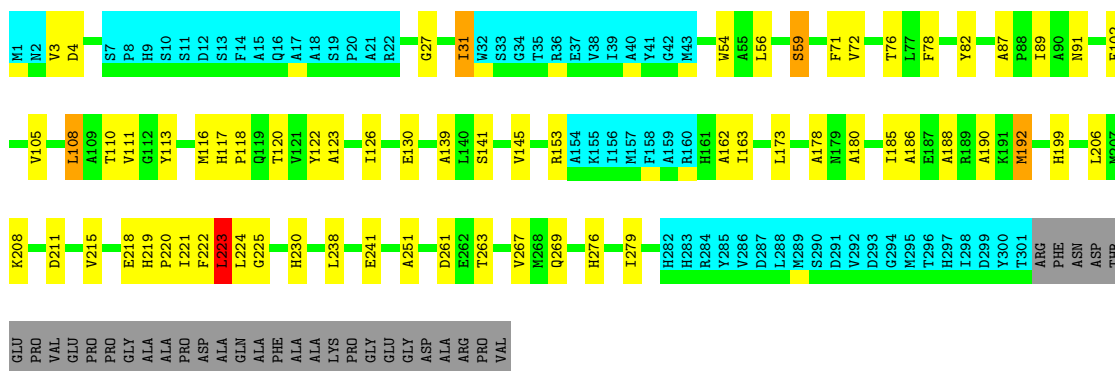
Chain B: 54% 18% 17% 10%





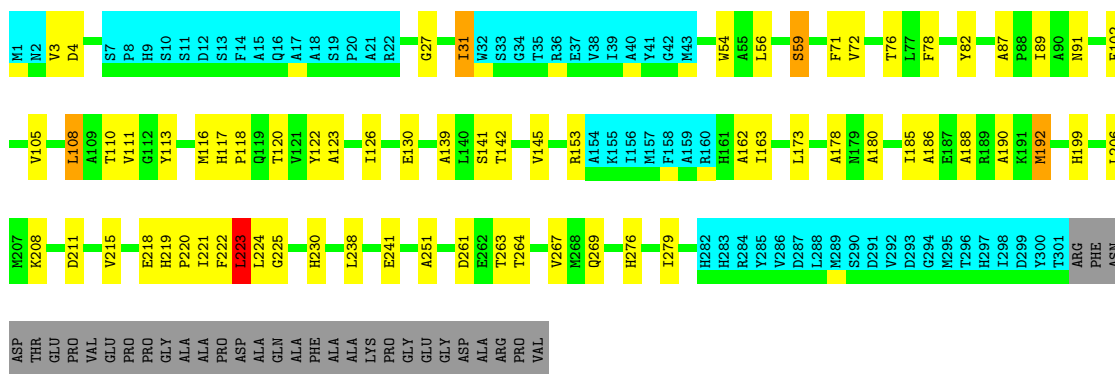
- Molecule 1: Inward rectifier potassium channel

Chain C: 53% 18% 17% 10%



- Molecule 1: Inward rectifier potassium channel

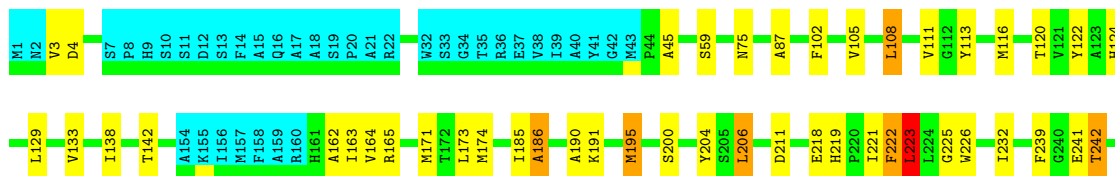
Chain D: 53% 19% 17% 10%

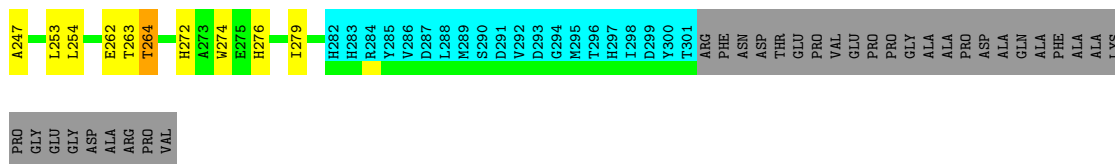


4.2.2 Score per residue for model 2

- Molecule 1: Inward rectifier potassium channel

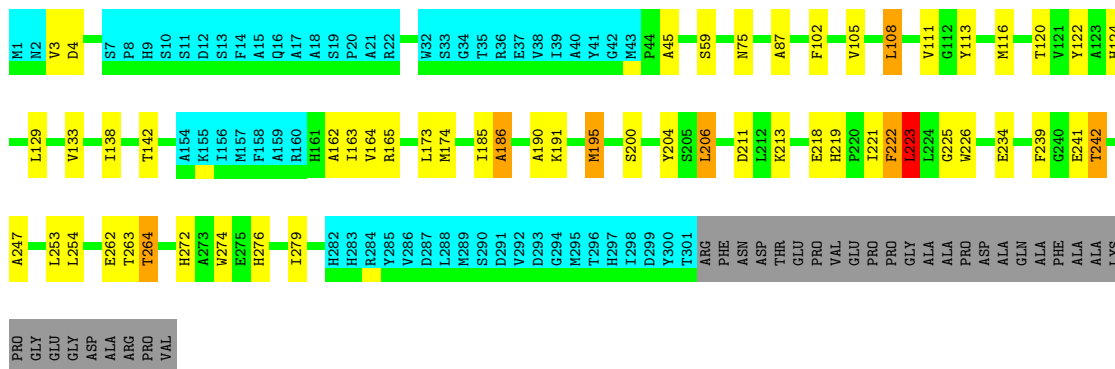
Chain A: 56% 14% 17% 10%





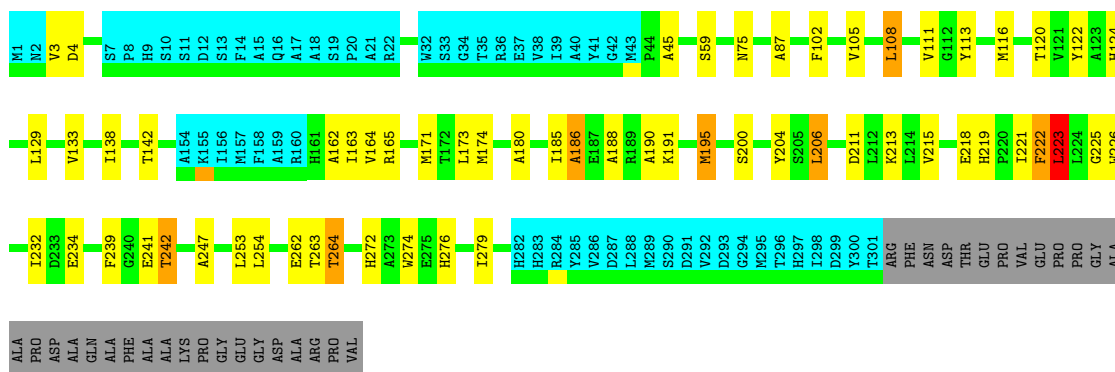
● Molecule 1: Inward rectifier potassium channel

Chain B: 56% 14% 17% 10%



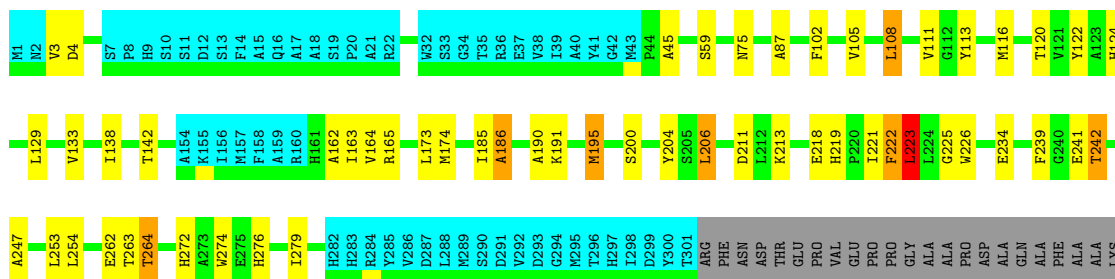
● Molecule 1: Inward rectifier potassium channel

Chain C: 55% 16% 17% 10%



● Molecule 1: Inward rectifier potassium channel

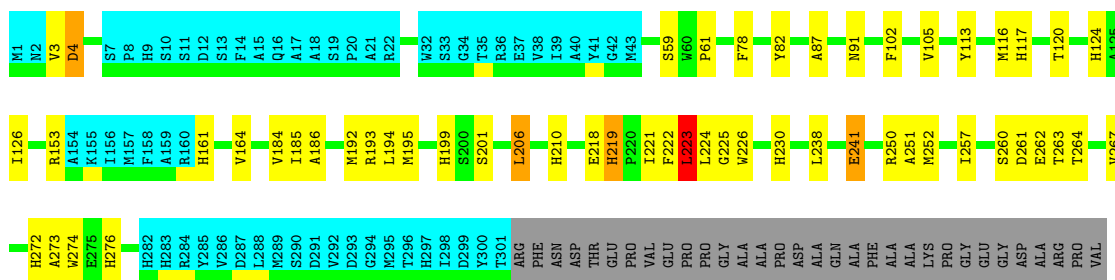
Chain D: 56% 14% 17% 10%



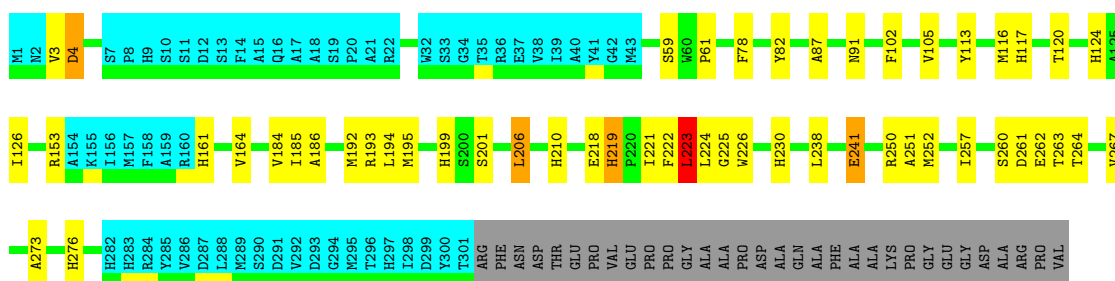
PRO
GLY
GLY
GLY
ASP
ALA
ARG
PRO
VAL

4.2.3 Score per residue for model 3

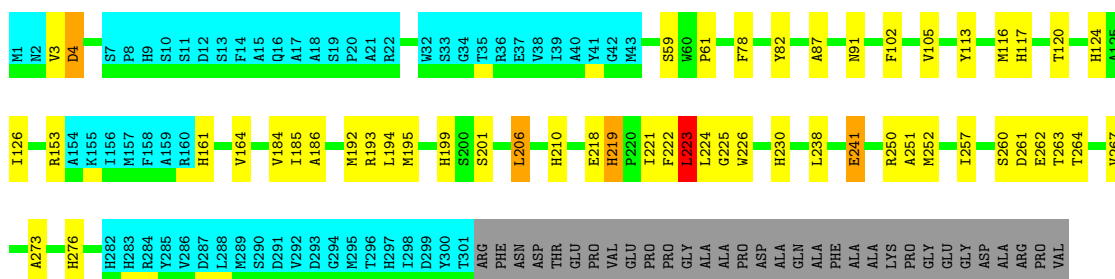
- Molecule 1: Inward rectifier potassium channel



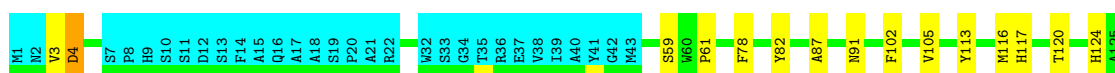
- Molecule 1: Inward rectifier potassium channel

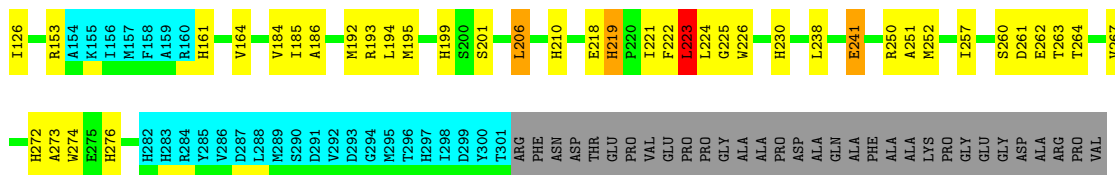


- Molecule 1: Inward rectifier potassium channel



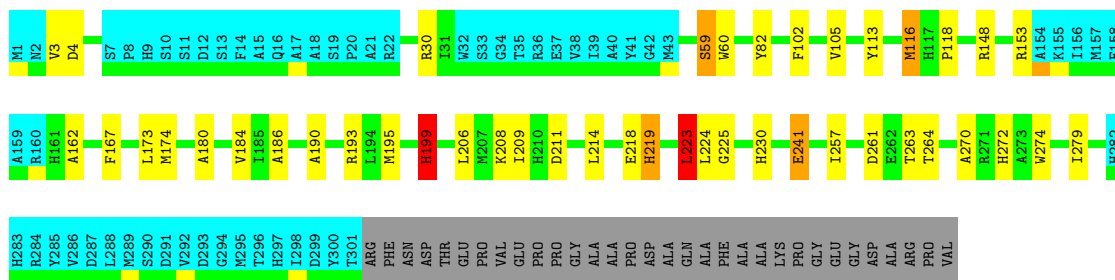
- Molecule 1: Inward rectifier potassium channel



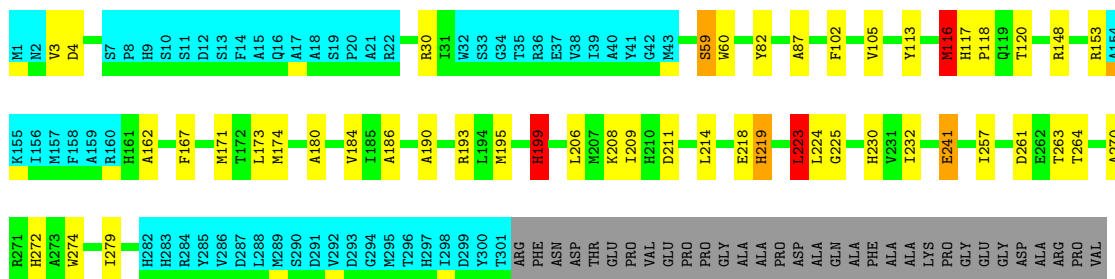


4.2.4 Score per residue for model 4

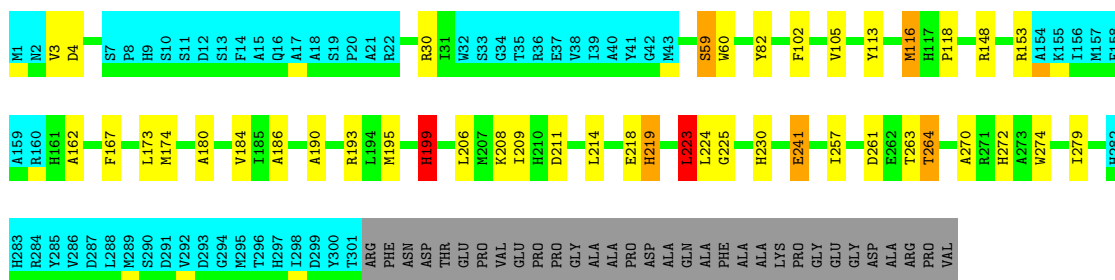
- Molecule 1: Inward rectifier potassium channel



- Molecule 1: Inward rectifier potassium channel

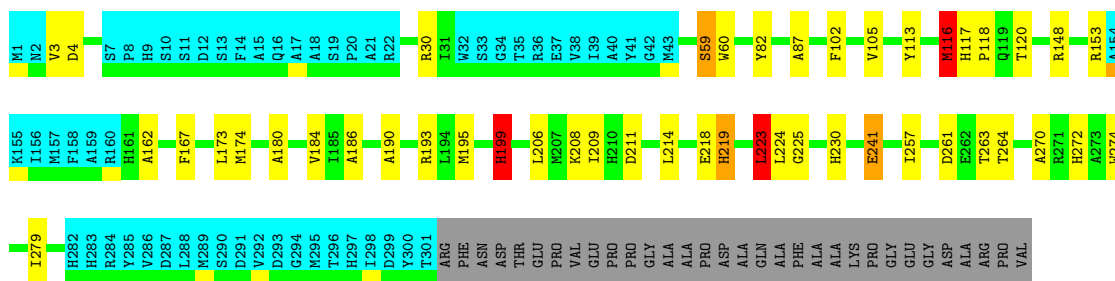


- Molecule 1: Inward rectifier potassium channel



- Molecule 1: Inward rectifier potassium channel

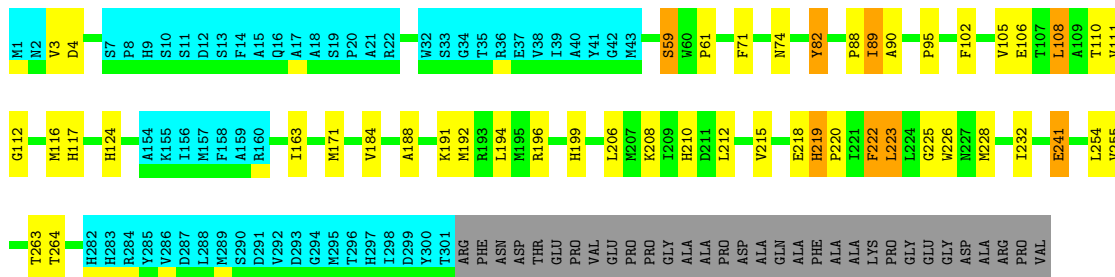




4.2.5 Score per residue for model 5

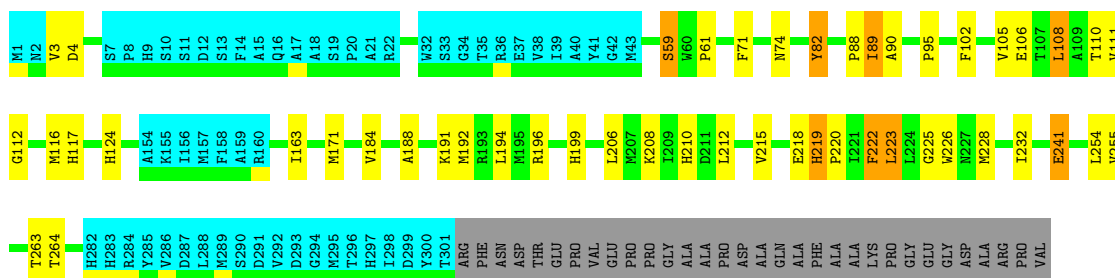
- Molecule 1: Inward rectifier potassium channel

Chain A: 59% 12% 17% 10%



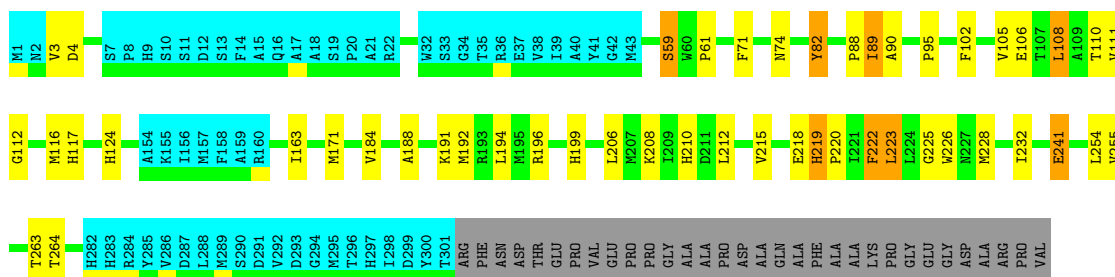
- Molecule 1: Inward rectifier potassium channel

Chain B: 59% 12% 17% 10%



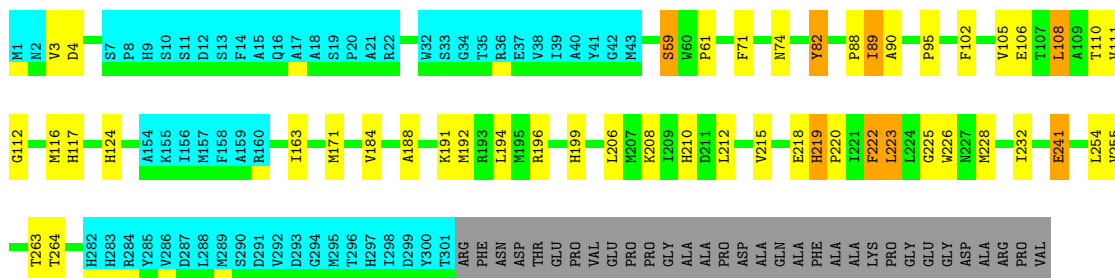
- Molecule 1: Inward rectifier potassium channel

Chain C: 59% 12% 17% 10%



- Molecule 1: Inward rectifier potassium channel

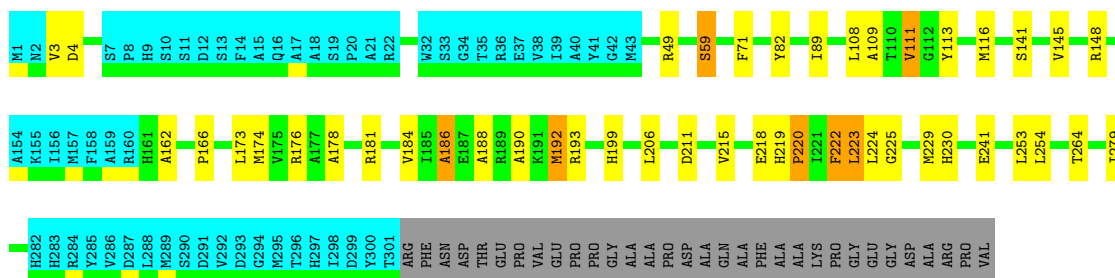
Chain D:  59% 12% 17% 10%



4.2.6 Score per residue for model 6

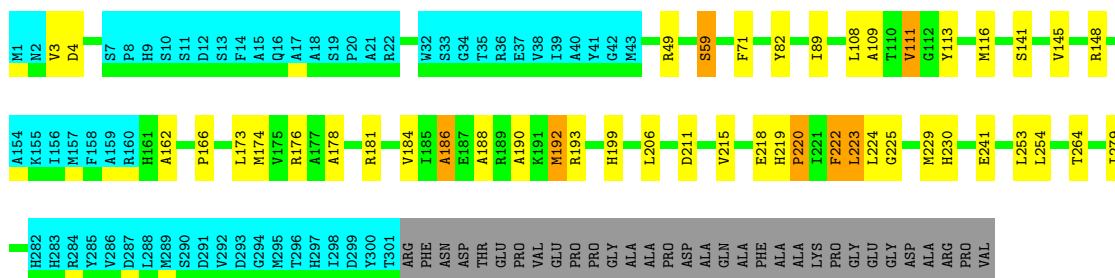
- Molecule 1: Inward rectifier potassium channel

Chain A:  59% 12% 17% 10%



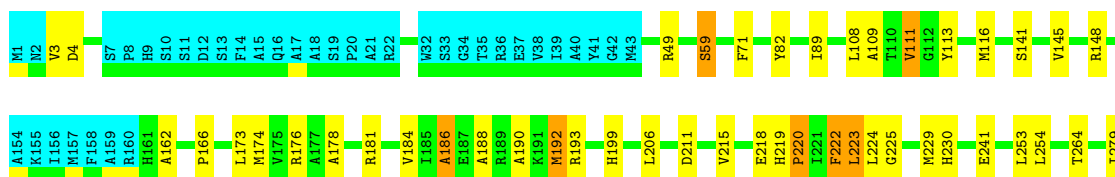
- Molecule 1: Inward rectifier potassium channel

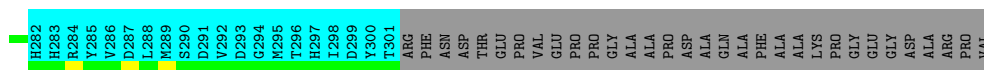
Chain B:  59% 12% 17% 10%



- Molecule 1: Inward rectifier potassium channel

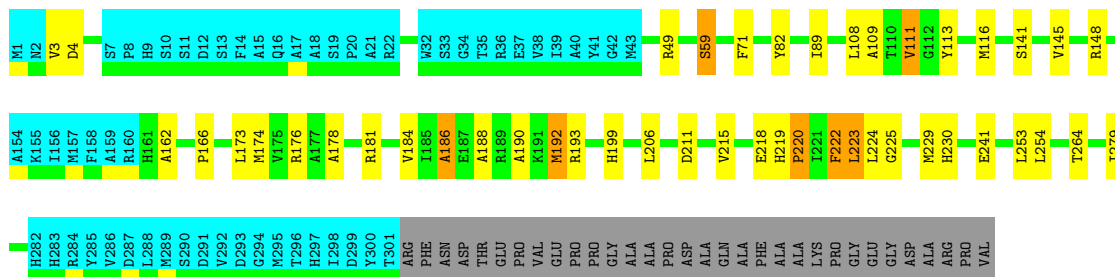
Chain C:  59% 12% 17% 10%





- Molecule 1: Inward rectifier potassium channel

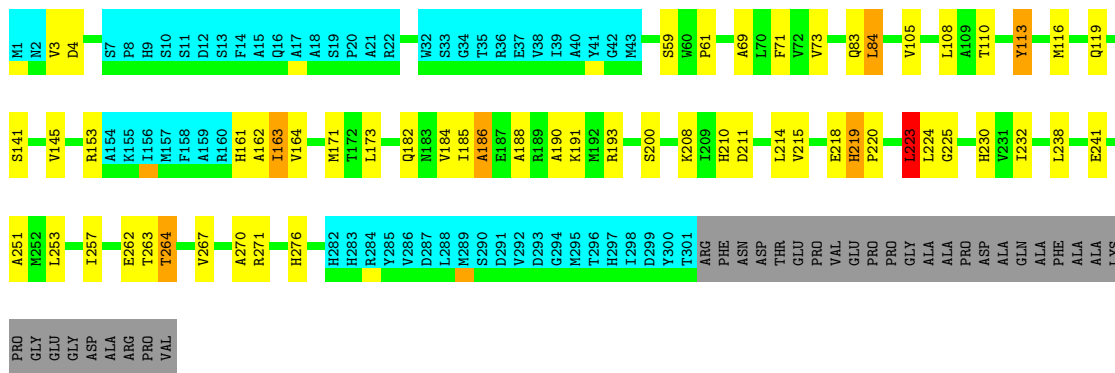
Chain D: 59% 12% 17% 10%



4.2.7 Score per residue for model 7

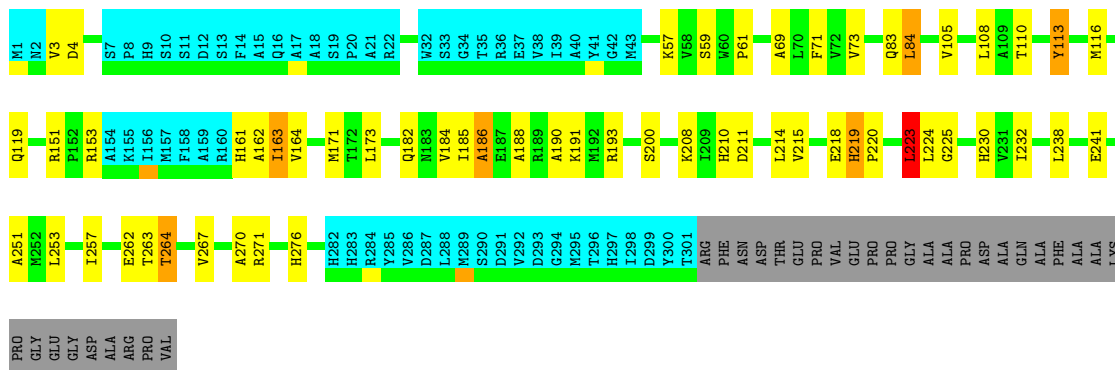
- Molecule 1: Inward rectifier potassium channel

Chain A: 56% 15% 17% 10%

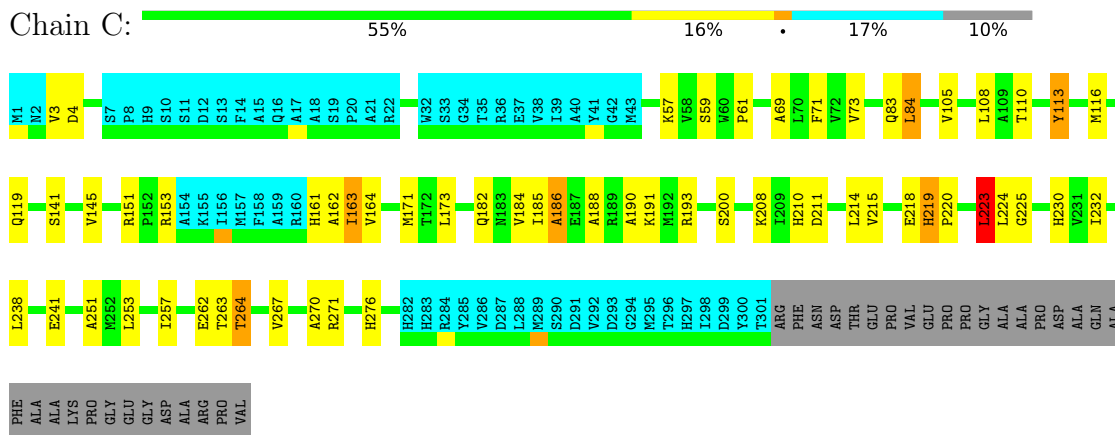


- Molecule 1: Inward rectifier potassium channel

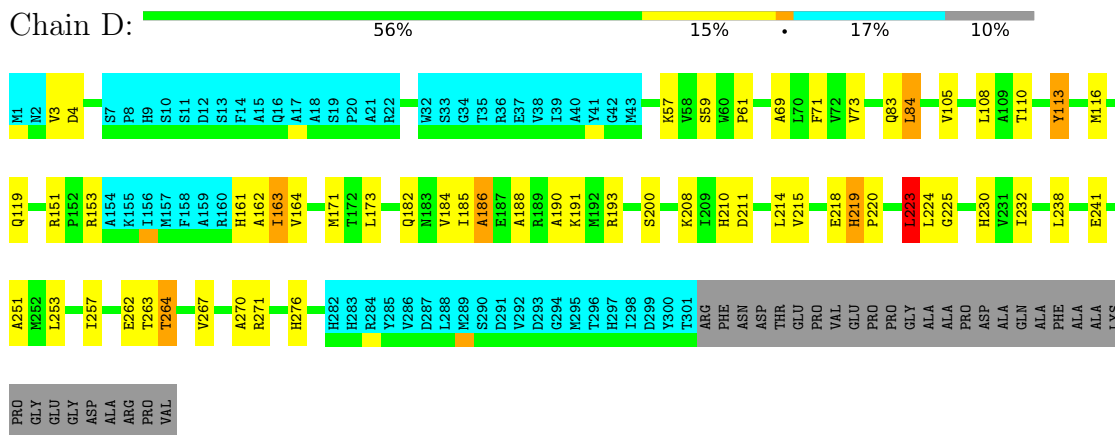
Chain B: 56% 15% 17% 10%



• Molecule 1: Inward rectifier potassium channel

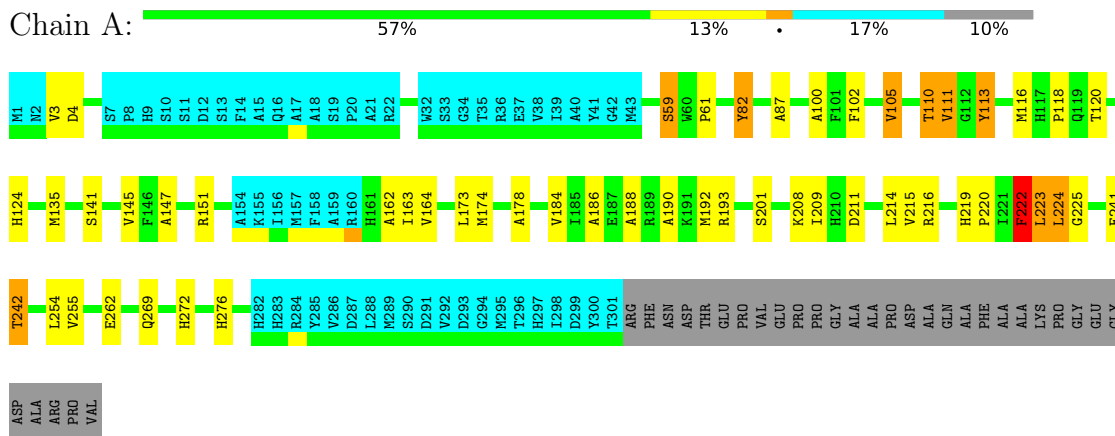


• Molecule 1: Inward rectifier potassium channel



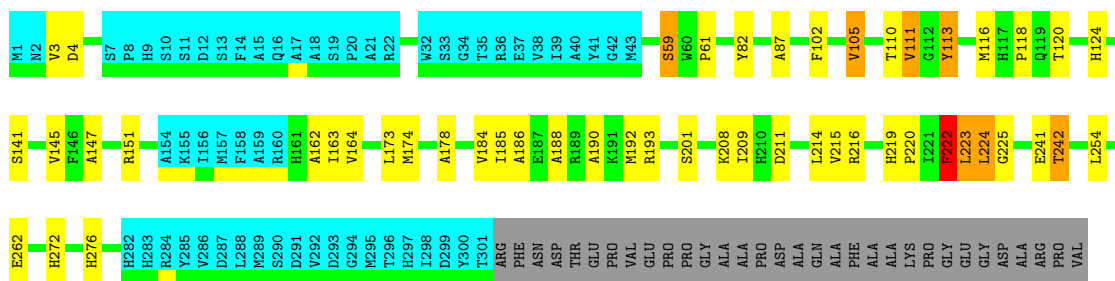
4.2.8 Score per residue for model 8

• Molecule 1: Inward rectifier potassium channel



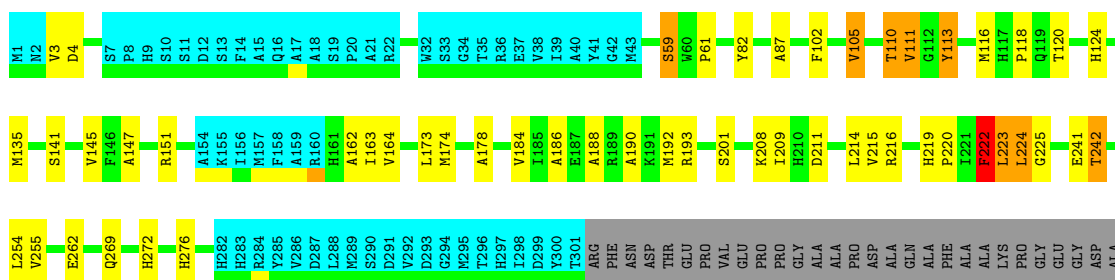
• Molecule 1: Inward rectifier potassium channel

Chain B: 



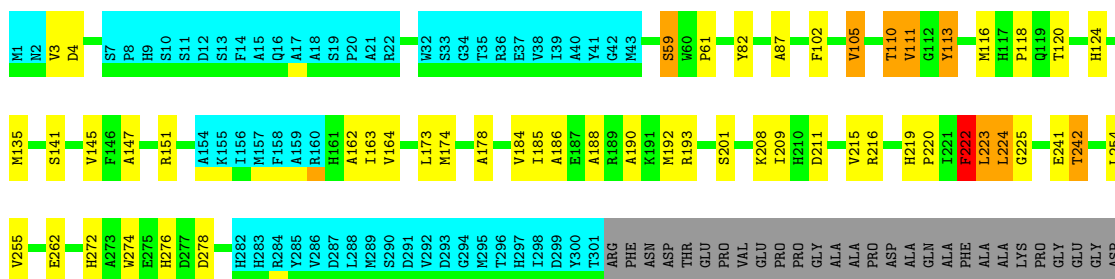
- Molecule 1: Inward rectifier potassium channel

Chain C: 



- Molecule 1: Inward rectifier potassium channel

Chain D: 



4.2.9 Score per residue for model 9

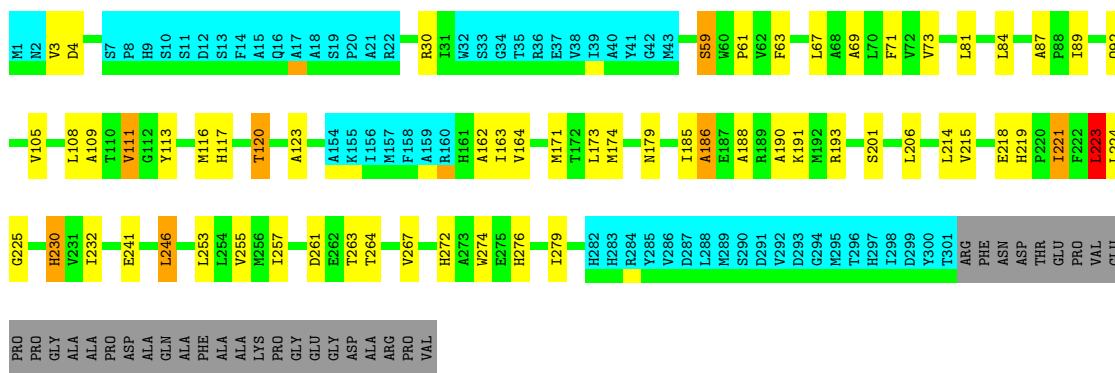
- Molecule 1: Inward rectifier potassium channel

Chain A: 



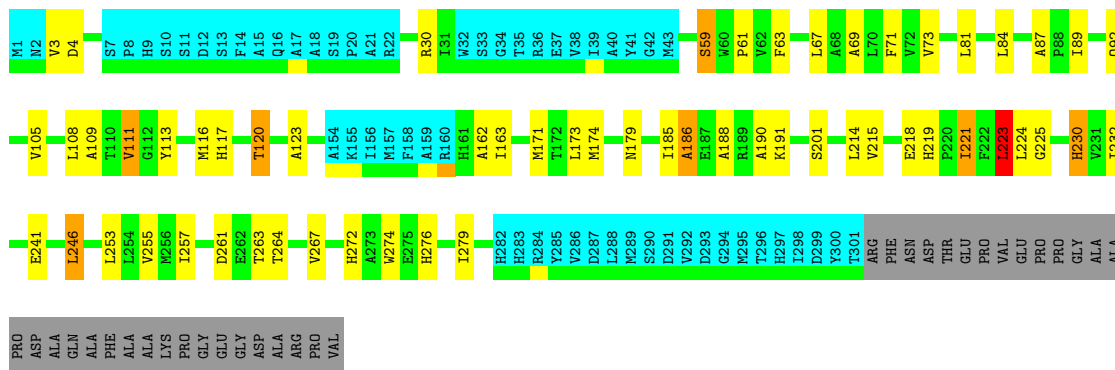
- Molecule 1: Inward rectifier potassium channel

Chain B: 55% 16% 17% 10%



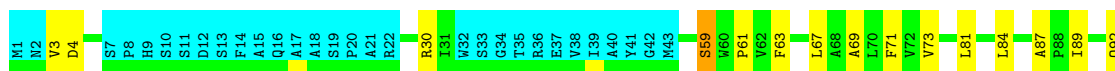
- Molecule 1: Inward rectifier potassium channel

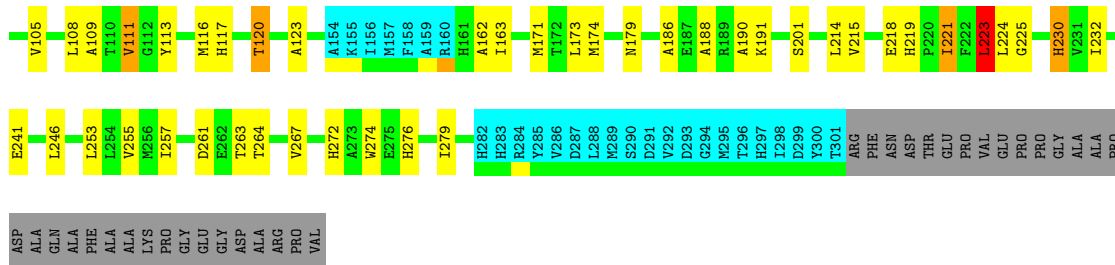
Chain C: 56% 15% 17% 10%



- Molecule 1: Inward rectifier potassium channel

Chain D: 56% 16% 17% 10%

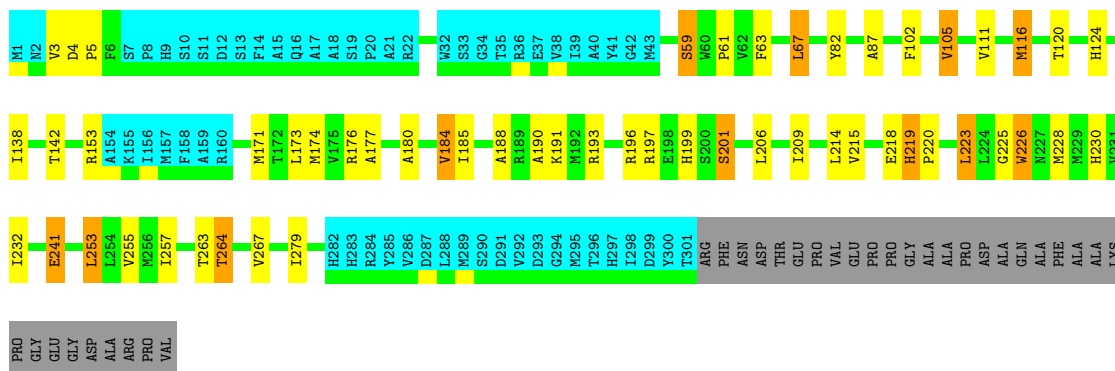




4.2.10 Score per residue for model 10

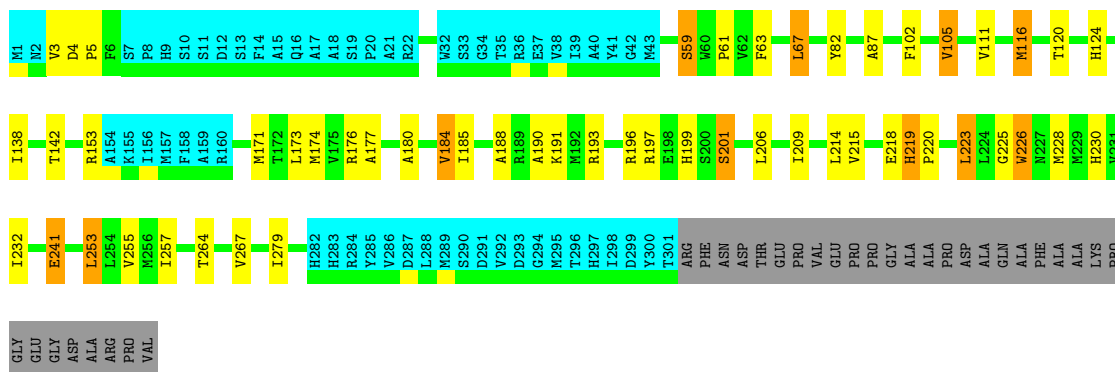
- Molecule 1: Inward rectifier potassium channel

Chain A: 57% 13% 17% 10%



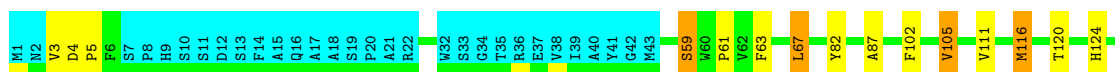
- Molecule 1: Inward rectifier potassium channel

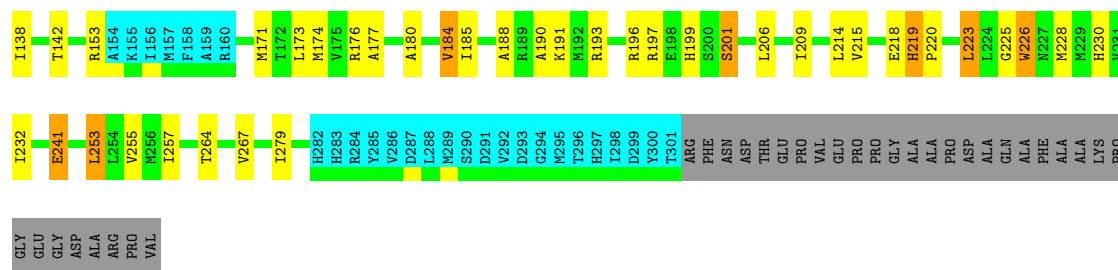
Chain B: 57% 13% 17% 10%



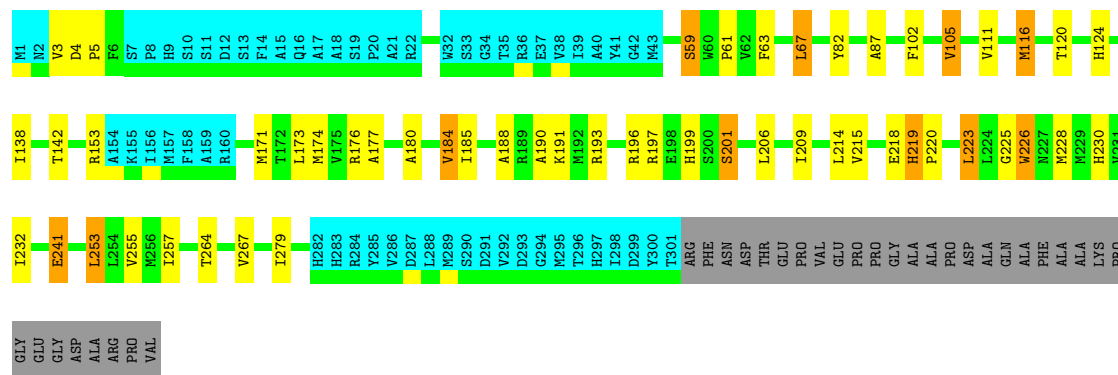
- Molecule 1: Inward rectifier potassium channel

Chain C: 57% 13% 17% 10%





• Molecule 1: Inward rectifier potassium channel



5 Refinement protocol and experimental data overview

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

Of the 800 calculated structures, 10 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
X-PLOR NIH	refinement	3.2.9
X-PLOR NIH	structure calculation	3.2.9

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	2
Total number of shifts	1583
Number of shifts mapped to atoms	1583
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	9%

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

6 Model quality i

6.1 Standard geometry i

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.98±0.01	0±0/1991 (0.0± 0.0%)	1.03±0.01	0±0/2704 (0.0± 0.0%)
1	B	0.98±0.01	0±0/1991 (0.0± 0.0%)	1.03±0.01	0±0/2704 (0.0± 0.0%)
1	C	0.98±0.01	0±0/1991 (0.0± 0.0%)	1.03±0.01	0±0/2704 (0.0± 0.0%)
1	D	0.98±0.01	0±0/1991 (0.0± 0.0%)	1.03±0.01	0±0/2704 (0.0± 0.0%)
All	All	0.98	0/79640 (0.0%)	1.03	4/108160 (0.0%)

There are no bond-length outliers.

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	220	PRO	N-CA-C	5.05	125.22	112.10	7	1
1	B	220	PRO	N-CA-C	5.05	125.22	112.10	7	1
1	C	220	PRO	N-CA-C	5.05	125.22	112.10	7	1
1	D	220	PRO	N-CA-C	5.05	125.22	112.10	7	1

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	1935	1917	1918	27±6
1	B	1935	1917	1918	27±5
1	C	1935	1917	1918	27±6

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Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	D	1935	1917	1918	27±5
All	All	77400	76680	76720	974

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 6.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:219:HIS:CD2	1:A:223:LEU:HD13	0.82	2.10	8	1
1:D:219:HIS:CD2	1:D:223:LEU:HD13	0.81	2.10	8	1
1:C:219:HIS:CD2	1:C:223:LEU:HD13	0.80	2.10	8	1
1:B:219:HIS:CD2	1:B:223:LEU:HD13	0.80	2.10	8	1
1:C:162:ALA:HB1	1:C:173:LEU:HD21	0.80	1.53	9	4
1:A:162:ALA:HB1	1:A:173:LEU:HD21	0.79	1.53	9	4
1:B:162:ALA:HB1	1:B:173:LEU:HD21	0.78	1.53	9	4
1:C:253:LEU:HD11	1:C:279:ILE:HD11	0.77	1.57	2	2
1:D:162:ALA:HB1	1:D:173:LEU:HD21	0.77	1.53	9	4
1:B:253:LEU:HD11	1:B:279:ILE:HD11	0.76	1.57	2	2
1:A:253:LEU:HD11	1:A:279:ILE:HD11	0.75	1.57	2	2
1:A:186:ALA:HB3	1:A:223:LEU:HD22	0.74	1.59	4	1
1:D:253:LEU:HD11	1:D:279:ILE:HD11	0.73	1.57	2	2
1:C:186:ALA:HB3	1:C:223:LEU:HD22	0.73	1.59	4	1
1:D:188:ALA:HB2	1:D:257:ILE:HG22	0.73	1.61	10	1
1:B:186:ALA:HB3	1:B:223:LEU:HD22	0.72	1.60	4	1
1:A:188:ALA:HB2	1:A:257:ILE:HG22	0.72	1.61	10	1
1:D:186:ALA:HB3	1:D:223:LEU:HD22	0.72	1.60	4	1
1:A:91:ASN:HD22	1:A:117:HIS:CE1	0.71	2.03	1	2
1:B:91:ASN:HD22	1:B:117:HIS:CE1	0.71	2.03	1	2
1:C:91:ASN:HD22	1:C:117:HIS:CE1	0.71	2.03	1	2
1:D:91:ASN:HD22	1:D:117:HIS:CE1	0.71	2.03	1	2
1:B:188:ALA:HB2	1:B:257:ILE:HG22	0.71	1.61	10	1
1:C:186:ALA:HB3	1:C:223:LEU:HD13	0.70	1.63	7	1
1:C:188:ALA:HB2	1:C:257:ILE:HG22	0.70	1.61	10	1
1:D:186:ALA:HB3	1:D:223:LEU:HD13	0.69	1.63	7	1
1:B:186:ALA:HB3	1:B:223:LEU:HD13	0.68	1.63	7	1
1:A:186:ALA:HB3	1:A:223:LEU:HD13	0.68	1.63	7	1
1:D:272:HIS:CE1	1:D:274:TRP:HE1	0.66	2.09	9	2
1:A:272:HIS:CE1	1:A:274:TRP:HE1	0.66	2.09	9	2
1:C:253:LEU:HD22	1:C:274:TRP:CZ3	0.66	2.26	9	1
1:A:253:LEU:HD22	1:A:274:TRP:CZ3	0.65	2.26	9	1
1:D:253:LEU:HD22	1:D:274:TRP:CZ3	0.65	2.26	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:272:HIS:CE1	1:C:274:TRP:HE1	0.65	2.09	9	2
1:B:272:HIS:CE1	1:B:274:TRP:HE1	0.65	2.09	9	2
1:B:253:LEU:HD22	1:B:274:TRP:CZ3	0.65	2.26	9	1
1:C:82:TYR:CD1	1:C:89:ILE:HG23	0.64	2.28	5	1
1:D:82:TYR:CD1	1:D:89:ILE:HG23	0.64	2.28	5	1
1:B:210:HIS:CE1	1:C:219:HIS:CG	0.64	2.86	3	3
1:A:210:HIS:CE1	1:B:219:HIS:CG	0.64	2.86	3	3
1:A:82:TYR:CD1	1:A:89:ILE:HG23	0.63	2.28	5	1
1:B:82:TYR:CD1	1:B:89:ILE:HG23	0.63	2.28	5	1
1:B:162:ALA:HB1	1:B:173:LEU:HD11	0.63	1.71	7	2
1:C:162:ALA:HB3	1:C:279:ILE:HA	0.63	1.71	6	1
1:B:218:GLU:HG3	1:B:229:MET:H	0.63	1.53	6	1
1:D:218:GLU:HG3	1:D:229:MET:H	0.63	1.53	6	1
1:A:218:GLU:HG3	1:A:229:MET:H	0.63	1.53	6	1
1:C:218:GLU:O	1:C:219:HIS:C	0.62	2.37	3	9
1:C:210:HIS:CE1	1:D:219:HIS:CG	0.62	2.87	3	3
1:C:218:GLU:HG3	1:C:229:MET:H	0.62	1.53	6	1
1:B:218:GLU:O	1:B:219:HIS:C	0.62	2.38	3	9
1:D:218:GLU:O	1:D:219:HIS:C	0.62	2.37	3	9
1:A:218:GLU:O	1:A:219:HIS:C	0.62	2.37	3	9
1:A:219:HIS:CG	1:D:210:HIS:CE1	0.62	2.86	3	3
1:A:162:ALA:HB3	1:A:279:ILE:HA	0.62	1.71	6	1
1:B:162:ALA:HB3	1:B:279:ILE:HA	0.62	1.71	6	1
1:C:162:ALA:HB1	1:C:173:LEU:HD11	0.62	1.71	7	2
1:A:162:ALA:HB1	1:A:173:LEU:HD11	0.62	1.71	7	2
1:B:228:MET:SD	1:B:255:VAL:HG11	0.61	2.36	10	1
1:C:228:MET:SD	1:C:255:VAL:HG11	0.61	2.36	10	1
1:D:228:MET:SD	1:D:255:VAL:HG11	0.61	2.36	10	1
1:D:162:ALA:HB3	1:D:279:ILE:HA	0.61	1.71	6	1
1:A:228:MET:SD	1:A:255:VAL:HG11	0.61	2.36	10	1
1:A:254:LEU:HD11	1:B:222:PHE:CD2	0.61	2.31	2	2
1:C:254:LEU:HD11	1:D:222:PHE:CD2	0.61	2.31	2	2
1:D:162:ALA:HB1	1:D:173:LEU:HD11	0.60	1.71	7	2
1:A:222:PHE:CD2	1:D:254:LEU:HD11	0.60	2.31	2	2
1:B:254:LEU:HD11	1:C:222:PHE:CD2	0.60	2.31	2	2
1:D:186:ALA:HB3	1:D:223:LEU:HD23	0.59	1.75	8	1
1:D:186:ALA:HB3	1:D:223:LEU:CD2	0.59	2.27	4	3
1:B:186:ALA:HB3	1:B:223:LEU:CD2	0.59	2.27	4	3
1:C:186:ALA:HB3	1:C:223:LEU:CD2	0.59	2.27	4	3
1:A:186:ALA:HB3	1:A:223:LEU:HD23	0.59	1.75	8	1
1:B:186:ALA:HB3	1:B:223:LEU:HD23	0.59	1.75	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:186:ALA:HB3	1:C:223:LEU:HD23	0.58	1.75	8	1
1:A:186:ALA:HB3	1:A:223:LEU:CD2	0.58	2.27	4	3
1:A:82:TYR:CE1	1:A:89:ILE:HG23	0.58	2.34	5	1
1:A:184:VAL:HG21	1:A:262:GLU:HB2	0.58	1.75	7	1
1:D:82:TYR:CE1	1:D:89:ILE:HG23	0.57	2.34	5	1
1:A:111:VAL:HG11	1:A:113:TYR:CE2	0.57	2.34	8	1
1:B:111:VAL:HG11	1:B:113:TYR:CE2	0.57	2.34	8	1
1:D:111:VAL:HG11	1:D:113:TYR:CE2	0.57	2.34	8	1
1:B:82:TYR:CE1	1:B:89:ILE:HG23	0.57	2.34	5	1
1:C:82:TYR:CE1	1:C:89:ILE:HG23	0.57	2.34	5	1
1:D:184:VAL:HG21	1:D:262:GLU:HB2	0.57	1.75	7	1
1:B:184:VAL:HG21	1:B:262:GLU:HB2	0.57	1.75	7	1
1:C:111:VAL:HG11	1:C:113:TYR:CE2	0.57	2.34	8	1
1:C:196:ARG:H	1:C:199:HIS:CD2	0.57	2.18	5	1
1:C:184:VAL:HG21	1:C:262:GLU:HB2	0.57	1.75	7	1
1:B:63:PHE:CZ	1:B:67:LEU:HD23	0.56	2.36	10	1
1:D:63:PHE:CZ	1:D:67:LEU:HD23	0.56	2.36	10	1
1:A:163:ILE:O	1:A:173:LEU:HD12	0.56	2.01	7	2
1:A:71:PHE:CE2	1:A:108:LEU:HD23	0.56	2.35	9	1
1:B:71:PHE:CE2	1:B:108:LEU:HD23	0.56	2.35	9	1
1:D:71:PHE:CE2	1:D:108:LEU:HD23	0.56	2.35	9	1
1:C:230:HIS:NE2	1:C:238:LEU:HD12	0.56	2.16	7	1
1:D:163:ILE:O	1:D:173:LEU:HD12	0.56	2.01	7	2
1:C:63:PHE:CZ	1:C:67:LEU:HD23	0.56	2.36	10	1
1:C:223:LEU:H	1:C:223:LEU:HD13	0.56	1.61	3	3
1:B:230:HIS:NE2	1:B:238:LEU:HD12	0.56	2.16	7	1
1:A:196:ARG:H	1:A:199:HIS:CD2	0.56	2.18	5	1
1:A:222:PHE:CD1	1:A:224:LEU:HD23	0.56	2.36	8	1
1:C:222:PHE:CD1	1:C:224:LEU:HD23	0.56	2.36	8	1
1:B:223:LEU:HD13	1:B:223:LEU:H	0.55	1.61	3	3
1:D:222:PHE:CD1	1:D:224:LEU:HD23	0.55	2.36	8	1
1:C:71:PHE:CE2	1:C:108:LEU:HD23	0.55	2.35	9	1
1:D:220:PRO:HB2	1:D:223:LEU:HD12	0.55	1.78	1	1
1:A:230:HIS:NE2	1:A:238:LEU:HD12	0.55	2.16	7	1
1:A:63:PHE:CZ	1:A:67:LEU:HD23	0.55	2.36	10	1
1:A:220:PRO:HB2	1:A:223:LEU:HD12	0.55	1.78	1	1
1:A:222:PHE:H	1:A:226:TRP:HE1	0.55	1.44	3	1
1:B:196:ARG:H	1:B:199:HIS:CD2	0.55	2.18	5	1
1:B:222:PHE:CD1	1:B:224:LEU:HD23	0.55	2.36	8	1
1:C:171:MET:HB3	1:C:232:ILE:HD12	0.55	1.78	10	4
1:B:63:PHE:CE1	1:B:67:LEU:HD11	0.55	2.37	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:163:ILE:O	1:B:173:LEU:HD12	0.55	2.01	7	2
1:D:222:PHE:H	1:D:226:TRP:HE1	0.55	1.44	3	1
1:D:171:MET:HB3	1:D:232:ILE:HD12	0.55	1.78	10	3
1:D:230:HIS:NE2	1:D:238:LEU:HD12	0.55	2.16	7	1
1:A:92:GLN:HE21	1:A:117:HIS:CE1	0.55	2.20	9	1
1:C:163:ILE:O	1:C:173:LEU:HD12	0.55	2.01	7	2
1:D:196:ARG:H	1:D:199:HIS:CD2	0.55	2.18	5	1
1:B:92:GLN:HE21	1:B:117:HIS:CE1	0.55	2.20	9	1
1:A:223:LEU:HD13	1:A:223:LEU:H	0.55	1.61	3	3
1:D:63:PHE:CE1	1:D:67:LEU:HD11	0.54	2.37	9	1
1:D:92:GLN:HE21	1:D:117:HIS:CE1	0.54	2.20	9	1
1:D:206:LEU:H	1:D:206:LEU:HD22	0.54	1.63	2	1
1:A:63:PHE:CE1	1:A:67:LEU:HD11	0.54	2.37	9	1
1:B:120:THR:HG22	1:B:122:TYR:H	0.54	1.63	1	2
1:D:223:LEU:H	1:D:223:LEU:HD13	0.54	1.61	3	3
1:A:120:THR:HG22	1:A:122:TYR:H	0.54	1.63	1	2
1:B:220:PRO:HB2	1:B:223:LEU:HD12	0.54	1.78	1	1
1:A:206:LEU:H	1:A:206:LEU:HD22	0.54	1.63	2	1
1:C:63:PHE:CE1	1:C:67:LEU:HD11	0.54	2.37	9	1
1:C:220:PRO:HB2	1:C:223:LEU:HD12	0.54	1.78	1	1
1:C:92:GLN:HE21	1:C:117:HIS:CE1	0.54	2.20	9	1
1:C:120:THR:HG22	1:C:122:TYR:H	0.54	1.63	1	2
1:C:206:LEU:HD22	1:C:206:LEU:H	0.54	1.63	2	1
1:B:171:MET:HB3	1:B:232:ILE:HD12	0.54	1.78	10	4
1:C:222:PHE:H	1:C:226:TRP:HE1	0.53	1.44	3	1
1:C:199:HIS:O	1:C:199:HIS:CG	0.53	2.61	4	1
1:A:171:MET:HB3	1:A:232:ILE:HD12	0.53	1.78	10	4
1:B:222:PHE:H	1:B:226:TRP:HE1	0.53	1.44	3	1
1:D:120:THR:HG22	1:D:122:TYR:H	0.53	1.63	1	2
1:B:87:ALA:HB3	1:B:120:THR:HG21	0.53	1.81	9	1
1:B:199:HIS:CG	1:B:199:HIS:O	0.53	2.61	4	1
1:B:206:LEU:HD22	1:B:206:LEU:H	0.52	1.63	2	1
1:A:199:HIS:CG	1:A:199:HIS:O	0.52	2.61	4	1
1:A:191:LYS:HD3	1:B:221:ILE:HG21	0.52	1.81	9	1
1:C:87:ALA:HB3	1:C:120:THR:HG21	0.52	1.81	9	1
1:C:191:LYS:HD3	1:D:221:ILE:HG21	0.52	1.81	9	1
1:D:87:ALA:HB3	1:D:120:THR:HG21	0.52	1.81	9	1
1:D:188:ALA:CB	1:D:257:ILE:HG22	0.52	2.35	10	1
1:A:188:ALA:CB	1:A:257:ILE:HG22	0.51	2.35	10	1
1:C:188:ALA:CB	1:C:257:ILE:HG22	0.51	2.35	10	1
1:C:188:ALA:O	1:C:215:VAL:HG11	0.51	2.06	6	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:192:MET:CE	1:D:253:LEU:HD12	0.51	2.36	6	1
1:B:188:ALA:O	1:B:215:VAL:HG11	0.51	2.06	6	4
1:C:192:MET:CE	1:C:253:LEU:HD12	0.51	2.36	6	1
1:D:199:HIS:O	1:D:199:HIS:CG	0.51	2.61	4	1
1:B:191:LYS:HD3	1:C:221:ILE:HG21	0.51	1.81	9	1
1:B:192:MET:CE	1:B:253:LEU:HD12	0.51	2.36	6	1
1:A:87:ALA:HB3	1:A:120:THR:HG21	0.51	1.81	9	1
1:C:78:PHE:CE2	1:C:126:ILE:HG22	0.51	2.41	1	2
1:D:188:ALA:O	1:D:215:VAL:HG11	0.51	2.06	6	4
1:B:188:ALA:CB	1:B:257:ILE:HG22	0.51	2.35	10	1
1:A:78:PHE:CE2	1:A:126:ILE:HG22	0.51	2.41	3	2
1:A:186:ALA:O	1:A:223:LEU:HD13	0.51	2.06	1	1
1:D:214:LEU:HD22	1:D:230:HIS:HB2	0.51	1.83	9	1
1:A:188:ALA:C	1:A:215:VAL:HG11	0.50	2.27	9	4
1:A:192:MET:CE	1:A:253:LEU:HD12	0.50	2.36	6	1
1:B:186:ALA:O	1:B:223:LEU:HD13	0.50	2.06	1	1
1:D:186:ALA:O	1:D:223:LEU:HD13	0.50	2.05	1	1
1:D:190:ALA:HB3	1:D:211:ASP:O	0.50	2.06	1	6
1:B:190:ALA:HB3	1:B:211:ASP:O	0.50	2.06	1	6
1:D:188:ALA:C	1:D:215:VAL:HG11	0.50	2.27	5	4
1:C:195:MET:SD	1:C:199:HIS:CE1	0.50	3.05	4	1
1:D:195:MET:SD	1:D:199:HIS:CE1	0.50	3.05	4	1
1:A:188:ALA:O	1:A:215:VAL:HG11	0.50	2.06	6	4
1:D:78:PHE:CE2	1:D:126:ILE:HG22	0.50	2.41	1	2
1:A:190:ALA:HB1	1:A:214:LEU:HD12	0.50	1.84	4	1
1:C:171:MET:HG3	1:C:232:ILE:HD12	0.50	1.83	5	1
1:D:90:ALA:HB1	1:D:117:HIS:HB2	0.50	1.84	5	1
1:A:221:ILE:HG21	1:D:191:LYS:HD3	0.50	1.81	9	1
1:C:214:LEU:HD22	1:C:230:HIS:HB2	0.50	1.83	9	1
1:B:214:LEU:HD22	1:B:230:HIS:HB2	0.50	1.83	9	1
1:C:186:ALA:O	1:C:223:LEU:HD13	0.50	2.06	1	1
1:A:195:MET:SD	1:A:199:HIS:CE1	0.50	3.05	4	1
1:A:87:ALA:HB3	1:A:120:THR:OG1	0.50	2.07	10	5
1:B:188:ALA:C	1:B:215:VAL:HG11	0.50	2.27	5	4
1:A:90:ALA:HB1	1:A:117:HIS:HB2	0.50	1.84	5	1
1:A:192:MET:HE2	1:A:238:LEU:HD11	0.49	1.84	1	1
1:C:190:ALA:HB3	1:C:211:ASP:O	0.49	2.06	1	6
1:D:192:MET:HE2	1:D:238:LEU:HD11	0.49	1.84	1	1
1:B:190:ALA:HB1	1:B:214:LEU:HD12	0.49	1.84	4	1
1:D:190:ALA:HB1	1:D:214:LEU:HD12	0.49	1.84	4	1
1:A:192:MET:HE2	1:A:253:LEU:HD12	0.49	1.83	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:190:ALA:HB3	1:A:211:ASP:O	0.49	2.06	1	6
1:B:78:PHE:CE2	1:B:126:ILE:HG22	0.49	2.41	3	2
1:B:251:ALA:HB3	1:B:276:HIS:HB3	0.49	1.84	1	3
1:C:87:ALA:HB3	1:C:120:THR:OG1	0.49	2.07	10	5
1:D:87:ALA:HB3	1:D:120:THR:OG1	0.49	2.08	2	6
1:A:222:PHE:CE1	1:D:254:LEU:HD11	0.49	2.43	5	1
1:C:188:ALA:C	1:C:215:VAL:HG11	0.49	2.27	9	4
1:A:191:LYS:NZ	1:A:212:LEU:HD21	0.49	2.23	5	1
1:D:171:MET:HG3	1:D:232:ILE:HD12	0.49	1.83	5	1
1:A:173:LEU:HD23	1:A:174:MET:N	0.49	2.23	2	6
1:B:173:LEU:HD23	1:B:174:MET:N	0.49	2.23	2	6
1:C:192:MET:HE2	1:C:238:LEU:HD11	0.49	1.84	1	1
1:A:190:ALA:CB	1:A:214:LEU:HD12	0.49	2.38	4	1
1:B:195:MET:SD	1:B:199:HIS:CE1	0.49	3.05	4	1
1:D:190:ALA:CB	1:D:214:LEU:HD12	0.49	2.38	4	1
1:A:210:HIS:HE1	1:B:219:HIS:CG	0.49	2.25	7	2
1:B:171:MET:HG3	1:B:232:ILE:HD12	0.49	1.83	5	1
1:B:191:LYS:NZ	1:B:212:LEU:HD21	0.49	2.23	5	1
1:B:254:LEU:HD11	1:C:222:PHE:CE1	0.49	2.43	5	1
1:D:193:ARG:HH21	1:D:209:ILE:H	0.49	1.50	8	2
1:B:87:ALA:HB3	1:B:120:THR:OG1	0.49	2.08	2	6
1:B:190:ALA:CB	1:B:214:LEU:HD12	0.49	2.38	4	1
1:C:190:ALA:CB	1:C:214:LEU:HD12	0.49	2.38	4	1
1:A:171:MET:HG3	1:A:232:ILE:HD12	0.49	1.83	5	1
1:A:251:ALA:HB3	1:A:276:HIS:HB3	0.49	1.84	1	3
1:C:173:LEU:HD23	1:C:174:MET:N	0.49	2.23	2	6
1:A:254:LEU:HD11	1:B:222:PHE:CE1	0.49	2.43	5	1
1:D:251:ALA:HB3	1:D:276:HIS:HB3	0.49	1.85	7	3
1:A:184:VAL:HG21	1:A:261:ASP:O	0.49	2.08	3	1
1:B:192:MET:HE2	1:B:238:LEU:HD11	0.49	1.84	1	1
1:C:190:ALA:HB1	1:C:214:LEU:HD12	0.49	1.84	4	1
1:A:219:HIS:CG	1:D:210:HIS:HE1	0.49	2.25	7	2
1:B:210:HIS:HE1	1:C:219:HIS:CG	0.49	2.25	7	2
1:C:90:ALA:HB1	1:C:117:HIS:HB2	0.49	1.84	5	1
1:B:193:ARG:HD3	1:B:206:LEU:HD13	0.49	1.84	6	1
1:A:83:GLN:HG2	1:A:84:LEU:HD23	0.49	1.85	7	1
1:D:173:LEU:HD23	1:D:174:MET:N	0.48	2.23	2	6
1:D:263:THR:O	1:D:264:THR:C	0.48	2.51	3	6
1:B:83:GLN:HG2	1:B:84:LEU:HD23	0.48	1.85	7	1
1:B:255:VAL:HG21	1:B:274:TRP:CH2	0.48	2.44	9	1
1:A:272:HIS:CE1	1:A:274:TRP:CZ2	0.48	3.01	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:254:LEU:HD11	1:D:222:PHE:CE1	0.48	2.43	5	1
1:C:193:ARG:HD3	1:C:206:LEU:HD13	0.48	1.84	6	1
1:D:255:VAL:HG21	1:D:274:TRP:CH2	0.48	2.44	9	1
1:B:193:ARG:HH21	1:B:209:ILE:H	0.48	1.50	8	2
1:A:255:VAL:HG21	1:A:274:TRP:CH2	0.48	2.44	9	1
1:A:263:THR:O	1:A:264:THR:C	0.48	2.51	9	7
1:C:251:ALA:HB3	1:C:276:HIS:HB3	0.48	1.84	1	3
1:D:272:HIS:CE1	1:D:274:TRP:CZ2	0.48	3.01	2	1
1:D:193:ARG:HD3	1:D:206:LEU:HD13	0.48	1.84	6	1
1:A:214:LEU:HD22	1:A:230:HIS:HB2	0.48	1.84	9	1
1:C:185:ILE:O	1:C:223:LEU:HD12	0.48	2.09	2	2
1:C:263:THR:O	1:C:264:THR:C	0.48	2.51	3	6
1:B:90:ALA:HB1	1:B:117:HIS:HB2	0.48	1.84	5	1
1:D:191:LYS:NZ	1:D:212:LEU:HD21	0.48	2.23	5	1
1:A:193:ARG:HD3	1:A:206:LEU:HD13	0.48	1.84	6	1
1:A:72:VAL:O	1:A:76:THR:HG23	0.48	2.09	1	1
1:B:192:MET:CE	1:B:194:LEU:HD21	0.48	2.39	5	2
1:C:191:LYS:NZ	1:C:212:LEU:HD21	0.48	2.23	5	1
1:B:263:THR:O	1:B:264:THR:C	0.48	2.51	9	6
1:A:185:ILE:O	1:A:223:LEU:HD12	0.48	2.09	2	1
1:B:124:HIS:CG	1:C:102:PHE:CE2	0.48	3.02	2	1
1:C:184:VAL:HG21	1:C:261:ASP:O	0.48	2.08	3	1
1:A:193:ARG:CZ	1:A:206:LEU:HD11	0.48	2.39	4	1
1:C:193:ARG:HH21	1:C:209:ILE:H	0.48	1.50	8	2
1:C:124:HIS:CG	1:D:102:PHE:CE2	0.48	3.02	2	1
1:C:192:MET:CE	1:C:194:LEU:HD21	0.48	2.39	5	2
1:A:193:ARG:HH21	1:A:209:ILE:H	0.48	1.50	8	2
1:B:184:VAL:O	1:B:185:ILE:HD13	0.48	2.09	10	1
1:A:141:SER:O	1:A:145:VAL:HG23	0.47	2.09	1	4
1:C:27:GLY:O	1:C:31:ILE:HG23	0.47	2.09	1	1
1:D:184:VAL:HG21	1:D:261:ASP:O	0.47	2.08	3	1
1:A:27:GLY:O	1:A:31:ILE:HG23	0.47	2.09	1	1
1:D:27:GLY:O	1:D:31:ILE:HG23	0.47	2.09	1	1
1:A:192:MET:CE	1:A:194:LEU:HD21	0.47	2.39	5	2
1:B:184:VAL:HG21	1:B:261:ASP:O	0.47	2.08	3	1
1:B:69:ALA:O	1:B:73:VAL:HG23	0.47	2.10	7	2
1:C:184:VAL:O	1:C:185:ILE:HD13	0.47	2.09	10	1
1:D:184:VAL:O	1:D:185:ILE:HD13	0.47	2.09	10	1
1:D:72:VAL:O	1:D:76:THR:HG23	0.47	2.09	1	1
1:B:272:HIS:CE1	1:B:274:TRP:CZ2	0.47	3.01	2	1
1:D:192:MET:CE	1:D:194:LEU:HD21	0.47	2.39	5	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:193:ARG:CZ	1:C:206:LEU:HD11	0.47	2.39	4	1
1:A:102:PHE:CE2	1:D:124:HIS:CG	0.47	3.02	2	1
1:D:185:ILE:O	1:D:223:LEU:HD12	0.47	2.09	2	1
1:A:69:ALA:O	1:A:73:VAL:HG23	0.47	2.10	7	2
1:C:69:ALA:O	1:C:73:VAL:HG23	0.47	2.10	7	2
1:D:83:GLN:HG2	1:D:84:LEU:HD23	0.47	1.85	7	1
1:A:102:PHE:CG	1:D:124:HIS:CE1	0.47	3.03	10	1
1:C:72:VAL:O	1:C:76:THR:HG23	0.47	2.09	1	1
1:D:193:ARG:CZ	1:D:206:LEU:HD11	0.47	2.39	4	1
1:C:141:SER:O	1:C:145:VAL:HG23	0.47	2.09	1	4
1:A:124:HIS:CG	1:B:102:PHE:CE2	0.47	3.02	2	1
1:C:272:HIS:CE1	1:C:274:TRP:CZ2	0.47	3.01	2	1
1:A:102:PHE:CD2	1:D:124:HIS:CE1	0.47	3.03	8	3
1:A:124:HIS:CE1	1:B:102:PHE:CD2	0.47	3.03	10	3
1:D:69:ALA:O	1:D:73:VAL:HG23	0.47	2.10	7	2
1:A:221:ILE:HD13	1:D:191:LYS:HD3	0.47	1.87	9	1
1:C:255:VAL:HG21	1:C:274:TRP:CH2	0.47	2.44	9	1
1:C:124:HIS:CE1	1:D:102:PHE:CG	0.47	3.03	10	1
1:B:193:ARG:CZ	1:B:206:LEU:HD11	0.47	2.39	4	1
1:C:83:GLN:HG2	1:C:84:LEU:HD23	0.47	1.85	7	1
1:A:191:LYS:HD3	1:B:221:ILE:HD13	0.47	1.87	9	1
1:A:184:VAL:O	1:A:185:ILE:HD13	0.47	2.09	10	1
1:B:124:HIS:CE1	1:C:102:PHE:CG	0.47	3.03	10	1
1:C:276:HIS:O	1:C:279:ILE:HG22	0.47	2.10	1	2
1:B:185:ILE:O	1:B:223:LEU:HD12	0.47	2.09	2	2
1:B:124:HIS:CE1	1:C:102:PHE:CD2	0.47	3.03	8	3
1:C:191:LYS:HD3	1:D:221:ILE:HD13	0.47	1.87	9	1
1:D:141:SER:O	1:D:145:VAL:HG23	0.47	2.09	1	3
1:B:228:MET:CE	1:B:255:VAL:HG11	0.47	2.40	5	1
1:C:228:MET:CE	1:C:255:VAL:HG11	0.47	2.40	5	1
1:D:228:MET:CE	1:D:255:VAL:HG11	0.47	2.40	5	1
1:A:254:LEU:HD11	1:B:222:PHE:CE2	0.47	2.45	6	2
1:D:3:VAL:HG13	1:D:4:ASP:H	0.47	1.70	4	5
1:C:92:GLN:HE21	1:C:117:HIS:HE1	0.47	1.53	9	1
1:A:124:HIS:CE1	1:B:102:PHE:CG	0.47	3.03	10	1
1:B:72:VAL:O	1:B:76:THR:HG23	0.46	2.09	1	1
1:C:124:HIS:CE1	1:D:102:PHE:CD2	0.46	3.03	8	3
1:B:141:SER:O	1:B:145:VAL:HG23	0.46	2.09	1	3
1:A:71:PHE:CD2	1:A:108:LEU:HD22	0.46	2.46	5	2
1:A:228:MET:CE	1:A:255:VAL:HG11	0.46	2.40	5	1
1:B:191:LYS:HD3	1:C:221:ILE:HD13	0.46	1.87	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:87:ALA:HB3	1:D:120:THR:CG2	0.46	2.40	9	1
1:B:254:LEU:HD11	1:C:222:PHE:CE2	0.46	2.45	6	2
1:C:254:LEU:HD11	1:D:222:PHE:CE2	0.46	2.45	6	2
1:B:27:GLY:O	1:B:31:ILE:HG23	0.46	2.09	1	1
1:B:3:VAL:HG13	1:B:4:ASP:H	0.46	1.70	4	5
1:C:89:ILE:HD11	1:C:123:ALA:CB	0.46	2.41	9	1
1:D:261:ASP:C	1:D:263:THR:H	0.46	2.14	4	3
1:A:3:VAL:HG13	1:A:4:ASP:H	0.46	1.70	4	5
1:A:222:PHE:CE2	1:D:254:LEU:HD11	0.46	2.45	6	2
1:B:71:PHE:CD2	1:B:108:LEU:HD22	0.46	2.46	5	2
1:B:81:LEU:O	1:B:84:LEU:HD23	0.46	2.10	9	1
1:D:276:HIS:O	1:D:279:ILE:HG22	0.46	2.10	1	2
1:C:210:HIS:HE1	1:D:219:HIS:CG	0.46	2.25	7	2
1:A:87:ALA:HB3	1:A:120:THR:CG2	0.46	2.40	9	1
1:A:89:ILE:HD11	1:A:123:ALA:CB	0.46	2.41	9	1
1:B:89:ILE:HD11	1:B:123:ALA:CB	0.46	2.41	9	1
1:A:230:HIS:CE1	1:A:238:LEU:HD13	0.46	2.46	3	2
1:A:276:HIS:O	1:A:279:ILE:HG22	0.46	2.10	1	2
1:B:276:HIS:O	1:B:279:ILE:HG22	0.46	2.10	1	2
1:C:3:VAL:HG13	1:C:4:ASP:H	0.46	1.70	4	6
1:B:71:PHE:CE2	1:B:105:VAL:HG23	0.46	2.46	1	1
1:C:185:ILE:HD12	1:C:260:SER:HB2	0.46	1.88	3	1
1:D:185:ILE:HD12	1:D:260:SER:HB2	0.46	1.88	3	1
1:C:186:ALA:HB2	1:C:223:LEU:HB2	0.46	1.88	6	1
1:D:89:ILE:HD11	1:D:123:ALA:CB	0.46	2.41	9	1
1:D:71:PHE:CD2	1:D:108:LEU:HD22	0.46	2.46	5	2
1:A:147:ALA:HB1	1:A:151:ARG:NH1	0.46	2.26	8	1
1:D:92:GLN:HE21	1:D:117:HIS:HE1	0.46	1.53	9	1
1:C:129:LEU:O	1:C:133:VAL:HG23	0.45	2.12	2	1
1:C:71:PHE:CE2	1:C:105:VAL:HG23	0.45	2.46	1	1
1:D:81:LEU:O	1:D:84:LEU:HD23	0.45	2.10	9	1
1:C:138:ILE:O	1:C:142:THR:HG23	0.45	2.12	2	2
1:D:138:ILE:O	1:D:142:THR:HG23	0.45	2.12	2	2
1:C:71:PHE:CD2	1:C:108:LEU:HD22	0.45	2.46	5	2
1:C:184:VAL:HG12	1:C:185:ILE:HG23	0.45	1.88	7	1
1:A:138:ILE:O	1:A:142:THR:HG23	0.45	2.12	2	2
1:B:138:ILE:O	1:B:142:THR:HG23	0.45	2.12	2	2
1:C:81:LEU:O	1:C:84:LEU:HD23	0.45	2.10	9	1
1:C:87:ALA:HB3	1:C:120:THR:CG2	0.45	2.40	9	1
1:A:261:ASP:C	1:A:263:THR:H	0.45	2.15	1	3
1:D:192:MET:SD	1:D:238:LEU:HD21	0.45	2.52	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:147:ALA:HB1	1:B:151:ARG:NH1	0.45	2.26	8	1
1:A:81:LEU:O	1:A:84:LEU:HD23	0.45	2.10	9	1
1:B:87:ALA:HB3	1:B:120:THR:CG2	0.45	2.40	9	1
1:B:230:HIS:CE1	1:B:238:LEU:HD13	0.45	2.46	3	2
1:B:213:LYS:HZ1	1:B:234:GLU:HB2	0.45	1.71	2	1
1:A:222:PHE:CZ	1:D:254:LEU:HD21	0.45	2.47	5	1
1:D:147:ALA:HB1	1:D:151:ARG:NH1	0.45	2.26	8	1
1:C:261:ASP:C	1:C:263:THR:H	0.45	2.14	4	3
1:D:71:PHE:CE2	1:D:105:VAL:HG23	0.45	2.46	1	1
1:A:222:PHE:HB3	1:A:226:TRP:HE1	0.45	1.72	2	1
1:B:129:LEU:O	1:B:133:VAL:HG23	0.45	2.12	2	1
1:D:213:LYS:HZ1	1:D:234:GLU:HB2	0.45	1.71	2	1
1:D:222:PHE:HB3	1:D:226:TRP:HE1	0.45	1.72	2	1
1:A:190:ALA:CB	1:A:214:LEU:HD13	0.45	2.42	7	2
1:A:71:PHE:CE2	1:A:105:VAL:HG23	0.45	2.46	1	1
1:D:108:LEU:HD12	1:D:130:GLU:HG3	0.45	1.89	1	1
1:C:222:PHE:HB3	1:C:226:TRP:HE1	0.45	1.72	2	1
1:C:254:LEU:HD21	1:D:222:PHE:CZ	0.45	2.47	5	1
1:B:162:ALA:CB	1:B:279:ILE:HG22	0.45	2.42	6	1
1:B:219:HIS:NE2	1:B:223:LEU:HD13	0.45	2.27	8	1
1:C:147:ALA:HB1	1:C:151:ARG:NH1	0.45	2.26	8	1
1:D:219:HIS:NE2	1:D:223:LEU:HD13	0.45	2.27	8	1
1:A:92:GLN:NE2	1:A:117:HIS:CE1	0.45	2.85	9	1
1:D:162:ALA:CB	1:D:279:ILE:HG22	0.45	2.42	6	1
1:A:219:HIS:NE2	1:A:223:LEU:HD13	0.45	2.27	8	1
1:C:219:HIS:NE2	1:C:223:LEU:HD13	0.45	2.27	8	1
1:C:230:HIS:CE1	1:C:238:LEU:HD13	0.45	2.46	3	2
1:B:222:PHE:HB3	1:B:226:TRP:HE1	0.45	1.72	2	1
1:D:186:ALA:HB2	1:D:223:LEU:HB2	0.45	1.88	6	1
1:C:190:ALA:CB	1:C:214:LEU:HD13	0.45	2.42	7	2
1:B:253:LEU:HD22	1:B:274:TRP:CE3	0.45	2.47	9	1
1:D:102:PHE:O	1:D:105:VAL:HG12	0.44	2.12	4	4
1:A:129:LEU:O	1:A:133:VAL:HG23	0.44	2.12	2	1
1:C:195:MET:HG2	1:C:250:ARG:H	0.44	1.72	3	1
1:B:192:MET:HE2	1:B:253:LEU:HD12	0.44	1.87	6	1
1:C:102:PHE:O	1:C:105:VAL:HG12	0.44	2.12	4	4
1:C:213:LYS:HZ1	1:C:234:GLU:HB2	0.44	1.72	2	1
1:D:129:LEU:O	1:D:133:VAL:HG23	0.44	2.12	2	1
1:B:195:MET:HG2	1:B:250:ARG:H	0.44	1.72	3	1
1:D:162:ALA:O	1:D:163:ILE:HD13	0.44	2.12	8	1
1:A:108:LEU:HD12	1:A:130:GLU:HG3	0.44	1.89	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:261:ASP:C	1:B:263:THR:H	0.44	2.15	1	3
1:B:185:ILE:HD12	1:B:260:SER:HB2	0.44	1.88	3	1
1:A:162:ALA:CB	1:A:279:ILE:HG22	0.44	2.42	6	1
1:D:190:ALA:HB3	1:D:214:LEU:HD13	0.44	1.89	10	1
1:D:230:HIS:CE1	1:D:238:LEU:HD13	0.44	2.46	3	2
1:C:195:MET:SD	1:C:206:LEU:HD12	0.44	2.53	2	1
1:D:184:VAL:HG12	1:D:185:ILE:HG23	0.44	1.88	7	1
1:D:190:ALA:CB	1:D:214:LEU:HD13	0.44	2.42	7	2
1:D:92:GLN:NE2	1:D:117:HIS:CE1	0.44	2.85	9	1
1:D:253:LEU:HD22	1:D:274:TRP:CE3	0.44	2.47	9	1
1:B:190:ALA:HB3	1:B:214:LEU:HD13	0.44	1.90	10	1
1:A:102:PHE:O	1:A:105:VAL:HG12	0.44	2.12	4	4
1:B:195:MET:SD	1:B:206:LEU:HD12	0.44	2.53	2	1
1:A:185:ILE:HD12	1:A:260:SER:HB2	0.44	1.88	3	1
1:D:195:MET:HG2	1:D:250:ARG:H	0.44	1.72	3	1
1:C:162:ALA:CB	1:C:279:ILE:HG22	0.44	2.42	6	1
1:B:171:MET:CB	1:B:232:ILE:HD12	0.44	2.43	10	1
1:A:186:ALA:HB2	1:A:223:LEU:HB2	0.44	1.88	6	1
1:B:184:VAL:HG12	1:B:185:ILE:HG23	0.44	1.88	7	1
1:A:171:MET:CB	1:A:232:ILE:HD12	0.44	2.43	10	1
1:A:124:HIS:CD2	1:B:102:PHE:CD2	0.44	3.06	5	1
1:A:254:LEU:HD21	1:B:222:PHE:CZ	0.44	2.47	5	1
1:B:92:GLN:NE2	1:B:117:HIS:CE1	0.44	2.85	9	1
1:A:262:GLU:C	1:A:263:THR:O	0.44	2.55	3	2
1:A:82:TYR:CE2	1:A:89:ILE:HD12	0.44	2.48	6	1
1:B:190:ALA:CB	1:B:214:LEU:HD13	0.44	2.42	7	2
1:A:162:ALA:O	1:A:163:ILE:HD13	0.44	2.12	8	1
1:C:162:ALA:O	1:C:163:ILE:HD13	0.44	2.12	8	1
1:D:190:ALA:HB3	1:D:214:LEU:HB2	0.44	1.90	9	1
1:B:108:LEU:HD12	1:B:130:GLU:HG3	0.44	1.89	1	1
1:C:192:MET:SD	1:C:238:LEU:HD21	0.44	2.52	3	1
1:B:82:TYR:CE2	1:B:89:ILE:HD12	0.44	2.48	6	1
1:B:186:ALA:HB2	1:B:223:LEU:HB2	0.44	1.88	6	1
1:A:185:ILE:HG22	1:D:271:ARG:NH2	0.44	2.28	7	1
1:A:92:GLN:HE21	1:A:117:HIS:HE1	0.44	1.53	9	1
1:C:171:MET:CB	1:C:232:ILE:HD12	0.44	2.43	10	1
1:A:192:MET:SD	1:A:238:LEU:HD21	0.43	2.52	3	1
1:A:195:MET:HG2	1:A:250:ARG:H	0.43	1.72	3	1
1:B:192:MET:SD	1:B:238:LEU:HD21	0.43	2.52	3	1
1:B:254:LEU:HD21	1:C:222:PHE:CZ	0.43	2.47	5	1
1:D:82:TYR:CE2	1:D:89:ILE:HD12	0.43	2.48	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:92:GLN:NE2	1:C:117:HIS:CE1	0.43	2.85	9	1
1:C:253:LEU:HD22	1:C:274:TRP:CE3	0.43	2.47	9	1
1:A:3:VAL:HG13	1:A:4:ASP:N	0.43	2.29	8	7
1:B:102:PHE:O	1:B:105:VAL:HG12	0.43	2.13	8	4
1:A:241:GLU:O	1:A:242:THR:HG23	0.43	2.13	8	2
1:D:193:ARG:NH1	1:D:206:LEU:HD13	0.43	2.29	3	1
1:D:171:MET:CB	1:D:232:ILE:HD12	0.43	2.43	10	1
1:D:3:VAL:HG13	1:D:4:ASP:N	0.43	2.29	8	7
1:D:74:ASN:HB3	1:D:108:LEU:HD11	0.43	1.91	5	1
1:A:71:PHE:CE1	1:A:108:LEU:HD23	0.43	2.49	7	1
1:B:71:PHE:CE1	1:B:108:LEU:HD23	0.43	2.48	7	1
1:B:162:ALA:O	1:B:163:ILE:HD13	0.43	2.12	8	1
1:C:190:ALA:HB3	1:C:214:LEU:HB2	0.43	1.90	9	1
1:D:195:MET:SD	1:D:206:LEU:HD12	0.43	2.53	2	1
1:B:186:ALA:HB1	1:B:220:PRO:CB	0.43	2.44	6	1
1:A:184:VAL:HG12	1:A:185:ILE:HG23	0.43	1.88	7	1
1:A:253:LEU:HD22	1:A:274:TRP:CE3	0.43	2.47	9	1
1:C:190:ALA:HB3	1:C:214:LEU:HD13	0.43	1.90	10	1
1:C:108:LEU:HD12	1:C:130:GLU:HG3	0.43	1.89	1	1
1:B:262:GLU:C	1:B:263:THR:O	0.43	2.55	3	2
1:D:241:GLU:O	1:D:242:THR:HG23	0.43	2.13	8	2
1:D:71:PHE:CE1	1:D:108:LEU:HD23	0.43	2.49	7	1
1:B:176:ARG:HE	1:B:177:ALA:N	0.43	2.12	10	1
1:D:176:ARG:HE	1:D:177:ALA:N	0.43	2.12	10	1
1:C:3:VAL:HG13	1:C:4:ASP:N	0.43	2.29	9	8
1:A:195:MET:SD	1:A:206:LEU:HD12	0.43	2.53	2	1
1:A:193:ARG:NH1	1:A:206:LEU:HD13	0.43	2.29	3	1
1:C:230:HIS:NE2	1:C:238:LEU:HD13	0.43	2.29	3	1
1:D:230:HIS:NE2	1:D:238:LEU:HD13	0.43	2.29	3	1
1:B:271:ARG:NH2	1:C:185:ILE:HG22	0.43	2.28	7	1
1:A:176:ARG:HE	1:A:177:ALA:N	0.43	2.12	10	1
1:C:176:ARG:HE	1:C:177:ALA:N	0.43	2.12	10	1
1:C:241:GLU:O	1:C:242:THR:HG23	0.43	2.13	8	2
1:A:230:HIS:NE2	1:A:238:LEU:HD13	0.43	2.29	3	1
1:B:230:HIS:NE2	1:B:238:LEU:HD13	0.43	2.29	3	1
1:C:71:PHE:CE1	1:C:108:LEU:HD23	0.43	2.49	7	1
1:C:124:HIS:CD2	1:D:102:PHE:CD2	0.43	3.06	5	1
1:C:82:TYR:CE2	1:C:89:ILE:HD12	0.43	2.48	6	1
1:B:188:ALA:HB3	1:B:215:VAL:CG1	0.43	2.44	7	1
1:D:230:HIS:CD2	1:D:238:LEU:HD12	0.43	2.49	7	1
1:A:190:ALA:HB3	1:A:214:LEU:HD13	0.43	1.90	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:241:GLU:O	1:B:242:THR:HG23	0.43	2.13	8	2
1:C:193:ARG:NH1	1:C:206:LEU:HD13	0.43	2.29	3	1
1:A:102:PHE:CD2	1:D:124:HIS:CD2	0.43	3.06	5	1
1:B:74:ASN:HB3	1:B:108:LEU:HD11	0.43	1.91	5	1
1:B:124:HIS:CD2	1:C:102:PHE:CD2	0.43	3.06	5	1
1:D:192:MET:HE2	1:D:253:LEU:HD12	0.43	1.90	6	1
1:A:271:ARG:NH2	1:B:185:ILE:HG22	0.43	2.28	7	1
1:C:188:ALA:HB3	1:C:215:VAL:CG1	0.43	2.44	7	1
1:A:108:LEU:O	1:A:108:LEU:HD23	0.43	2.14	2	2
1:B:3:VAL:HG13	1:B:4:ASP:N	0.43	2.29	9	8
1:B:108:LEU:HD23	1:B:108:LEU:O	0.43	2.14	2	2
1:A:188:ALA:HB3	1:A:215:VAL:CG1	0.43	2.44	7	1
1:A:230:HIS:CD2	1:A:238:LEU:HD12	0.43	2.49	7	1
1:C:230:HIS:CD2	1:C:238:LEU:HD12	0.43	2.49	7	1
1:C:271:ARG:NH2	1:D:185:ILE:HG22	0.43	2.28	7	1
1:D:108:LEU:O	1:D:108:LEU:HD23	0.42	2.14	2	2
1:C:247:ALA:HA	1:C:276:HIS:CE1	0.42	2.49	2	1
1:D:186:ALA:HB1	1:D:220:PRO:CB	0.42	2.44	6	1
1:C:108:LEU:HD23	1:C:108:LEU:O	0.42	2.14	2	2
1:B:124:HIS:CD2	1:C:102:PHE:CZ	0.42	3.07	2	1
1:B:186:ALA:HB3	1:B:223:LEU:HB3	0.42	1.92	2	2
1:B:247:ALA:HA	1:B:276:HIS:CE1	0.42	2.49	2	1
1:A:74:ASN:HB3	1:A:108:LEU:HD11	0.42	1.91	5	1
1:C:186:ALA:HB1	1:C:220:PRO:CB	0.42	2.44	6	1
1:C:186:ALA:HB1	1:C:257:ILE:CG2	0.42	2.45	7	1
1:B:92:GLN:HE21	1:B:117:HIS:HE1	0.42	1.54	9	1
1:A:223:LEU:HD13	1:A:223:LEU:N	0.42	2.30	2	1
1:C:124:HIS:CD2	1:D:102:PHE:CZ	0.42	3.07	2	1
1:D:186:ALA:HB3	1:D:223:LEU:HB3	0.42	1.92	2	1
1:B:193:ARG:NH1	1:B:206:LEU:HD13	0.42	2.29	3	1
1:A:186:ALA:HB3	1:A:223:LEU:HB3	0.42	1.92	2	2
1:B:223:LEU:HD11	1:B:226:TRP:CZ3	0.42	2.50	10	1
1:C:71:PHE:CZ	1:C:105:VAL:HG23	0.42	2.50	1	1
1:D:89:ILE:HD11	1:D:123:ALA:HB1	0.42	1.91	1	1
1:C:186:ALA:HB3	1:C:223:LEU:HB3	0.42	1.92	2	2
1:C:223:LEU:HD13	1:C:223:LEU:N	0.42	2.30	2	1
1:D:247:ALA:HA	1:D:276:HIS:CE1	0.42	2.49	2	1
1:C:74:ASN:HB3	1:C:108:LEU:HD11	0.42	1.91	5	1
1:A:186:ALA:HB1	1:A:220:PRO:CB	0.42	2.44	6	1
1:B:186:ALA:HB1	1:B:257:ILE:CG2	0.42	2.45	7	1
1:A:190:ALA:HB2	1:A:214:LEU:HB3	0.42	1.92	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:196:ARG:CZ	1:C:199:HIS:CD2	0.42	3.03	10	1
1:C:223:LEU:HD11	1:C:226:TRP:CZ3	0.42	2.50	10	1
1:A:71:PHE:CZ	1:A:105:VAL:HG23	0.42	2.50	1	1
1:C:89:ILE:HD11	1:C:123:ALA:HB1	0.42	1.91	1	1
1:D:71:PHE:CZ	1:D:105:VAL:HG23	0.42	2.50	1	1
1:A:124:HIS:CD2	1:B:102:PHE:CZ	0.42	3.07	2	1
1:A:247:ALA:HA	1:A:276:HIS:CE1	0.42	2.49	2	1
1:C:188:ALA:HB3	1:C:215:VAL:HG21	0.42	1.91	8	1
1:B:190:ALA:HB3	1:B:214:LEU:HB2	0.42	1.90	9	1
1:B:71:PHE:CZ	1:B:105:VAL:HG23	0.42	2.50	1	1
1:B:230:HIS:CD2	1:B:238:LEU:HD12	0.42	2.49	7	1
1:B:219:HIS:O	1:B:219:HIS:CG	0.42	2.72	8	1
1:A:223:LEU:HD11	1:A:226:TRP:CZ3	0.42	2.50	10	1
1:A:110:THR:HG23	1:A:111:VAL:H	0.41	1.75	1	1
1:B:75:ASN:HD21	1:B:105:VAL:HG23	0.41	1.75	2	1
1:A:186:ALA:HB1	1:A:257:ILE:CG2	0.41	2.45	7	1
1:D:188:ALA:HB3	1:D:215:VAL:CG1	0.41	2.44	7	1
1:A:181:ARG:NH1	1:D:49:ARG:HE	0.41	2.14	6	1
1:A:190:ALA:HB3	1:A:214:LEU:HB2	0.41	1.90	9	1
1:A:196:ARG:CZ	1:A:199:HIS:CD2	0.41	3.03	10	1
1:B:196:ARG:CZ	1:B:199:HIS:CD2	0.41	3.03	10	1
1:D:196:ARG:CZ	1:D:199:HIS:CD2	0.41	3.03	10	1
1:B:89:ILE:HD11	1:B:123:ALA:HB1	0.41	1.91	1	1
1:A:102:PHE:CZ	1:D:124:HIS:CD2	0.41	3.07	2	1
1:B:252:MET:SD	1:B:273:ALA:HB1	0.41	2.56	3	1
1:A:49:ARG:HE	1:B:181:ARG:NH1	0.41	2.14	6	1
1:D:223:LEU:HD11	1:D:226:TRP:CZ3	0.41	2.50	10	1
1:B:223:LEU:HD13	1:B:223:LEU:N	0.41	2.30	2	1
1:D:75:ASN:HD21	1:D:105:VAL:HG23	0.41	1.75	2	1
1:D:223:LEU:HD13	1:D:223:LEU:N	0.41	2.30	2	1
1:D:110:THR:HG23	1:D:111:VAL:H	0.41	1.75	1	1
1:D:262:GLU:C	1:D:263:THR:O	0.41	2.57	2	2
1:B:190:ALA:HB2	1:B:214:LEU:HB3	0.41	1.92	8	1
1:D:188:ALA:HB3	1:D:215:VAL:HG21	0.41	1.91	8	1
1:B:116:MET:HE2	1:B:117:HIS:CE1	0.41	2.51	4	1
1:D:116:MET:HE2	1:D:117:HIS:CE1	0.41	2.51	4	1
1:D:186:ALA:HB1	1:D:257:ILE:CG2	0.41	2.45	7	1
1:A:188:ALA:HB3	1:A:215:VAL:HG21	0.41	1.91	8	1
1:A:89:ILE:HD11	1:A:123:ALA:HB1	0.41	1.92	1	1
1:C:262:GLU:C	1:C:263:THR:O	0.41	2.55	3	2
1:D:57:LYS:HA	1:D:151:ARG:HH12	0.41	1.76	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:188:ALA:HB3	1:B:215:VAL:HG21	0.41	1.91	8	1
1:A:246:LEU:HD13	1:A:276:HIS:HB2	0.41	1.93	9	1
1:B:246:LEU:HD13	1:B:276:HIS:HB2	0.41	1.93	9	1
1:A:75:ASN:HD21	1:A:105:VAL:HG23	0.41	1.75	2	1
1:D:74:ASN:CB	1:D:108:LEU:HD11	0.41	2.46	5	1
1:C:49:ARG:HE	1:D:181:ARG:NH1	0.41	2.14	6	1
1:A:219:HIS:O	1:A:219:HIS:CG	0.41	2.72	8	1
1:D:110:THR:HG21	1:D:135:MET:CE	0.41	2.46	8	1
1:A:173:LEU:HB3	1:A:230:HIS:CE1	0.41	2.51	1	1
1:C:110:THR:HG23	1:C:111:VAL:H	0.41	1.75	1	1
1:A:252:MET:SD	1:A:273:ALA:HB1	0.41	2.56	3	1
1:C:74:ASN:CB	1:C:108:LEU:HD11	0.41	2.46	5	1
1:C:196:ARG:HB3	1:C:199:HIS:CG	0.41	2.51	5	1
1:B:49:ARG:HE	1:C:181:ARG:NH1	0.41	2.14	6	1
1:C:219:HIS:O	1:C:219:HIS:CG	0.41	2.72	8	1
1:D:219:HIS:O	1:D:219:HIS:CG	0.41	2.72	8	1
1:B:173:LEU:HB3	1:B:230:HIS:CE1	0.41	2.51	1	1
1:C:188:ALA:HB3	1:C:215:VAL:HG11	0.41	1.93	2	1
1:D:195:MET:SD	1:D:206:LEU:HD23	0.41	2.56	3	1
1:A:196:ARG:HB3	1:A:199:HIS:CG	0.41	2.51	5	1
1:A:110:THR:HG21	1:A:135:MET:CE	0.41	2.46	8	1
1:C:252:MET:SD	1:C:273:ALA:HB1	0.40	2.56	3	1
1:B:57:LYS:HA	1:B:151:ARG:HH12	0.40	1.76	7	1
1:C:110:THR:HG21	1:C:135:MET:CE	0.40	2.46	8	1
1:A:142:THR:HG22	1:D:139:ALA:CB	0.40	2.47	1	1
1:D:173:LEU:HB3	1:D:230:HIS:CE1	0.40	2.51	1	1
1:D:252:MET:SD	1:D:273:ALA:HB1	0.40	2.56	3	1
1:B:196:ARG:HB3	1:B:199:HIS:CG	0.40	2.51	5	1
1:D:196:ARG:HB3	1:D:199:HIS:CG	0.40	2.51	5	1
1:C:57:LYS:HA	1:C:151:ARG:HH12	0.40	1.76	7	1
1:A:139:ALA:CB	1:B:142:THR:HG22	0.40	2.47	1	1
1:C:139:ALA:CB	1:D:142:THR:HG22	0.40	2.47	1	1
1:C:192:MET:CE	1:C:238:LEU:HD11	0.40	2.46	1	1
1:D:71:PHE:CE2	1:D:108:LEU:HD22	0.40	2.51	5	1
1:A:269:GLN:OE1	1:B:185:ILE:HG21	0.40	2.17	8	1
1:C:190:ALA:HB2	1:C:214:LEU:HB3	0.40	1.92	8	1
1:C:269:GLN:OE1	1:D:185:ILE:HG21	0.40	2.17	8	1
1:B:193:ARG:HH21	1:B:206:LEU:HD23	0.40	1.77	9	1
1:B:195:MET:SD	1:B:206:LEU:HD23	0.40	2.56	3	1
1:C:195:MET:SD	1:C:206:LEU:HD23	0.40	2.56	3	1
1:D:274:TRP:CE2	1:D:278:ASP:HB3	0.40	2.52	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:111:VAL:O	1:A:111:VAL:HG22	0.40	2.17	9	1
1:C:75:ASN:HD21	1:C:105:VAL:HG23	0.40	1.75	2	1
1:A:272:HIS:CE1	1:A:274:TRP:NE1	0.40	2.89	3	1
1:D:272:HIS:CE1	1:D:274:TRP:NE1	0.40	2.89	3	1
1:C:71:PHE:CE2	1:C:108:LEU:HD22	0.40	2.51	5	1
1:A:82:TYR:CD2	1:A:100:ALA:HB2	0.40	2.52	8	1
1:C:246:LEU:HD13	1:C:276:HIS:HB2	0.40	1.93	9	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	244/333 (73%)	210±2 (86±1%)	22±3 (9±1%)	12±2 (5±1%)	4	26
1	B	244/333 (73%)	210±2 (86±1%)	22±3 (9±1%)	12±2 (5±1%)	4	26
1	C	244/333 (73%)	210±2 (86±1%)	22±3 (9±1%)	12±2 (5±1%)	4	26
1	D	244/333 (73%)	210±2 (86±1%)	22±3 (9±1%)	12±2 (5±1%)	4	26
All	All	9760/13320 (73%)	8419 (86%)	861 (9%)	480 (5%)	4	26

All 116 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	59	SER	10
1	A	116	MET	10
1	A	223	LEU	10
1	A	225	GLY	10
1	B	59	SER	10
1	B	116	MET	10
1	B	223	LEU	10
1	B	225	GLY	10
1	C	59	SER	10
1	C	116	MET	10
1	C	223	LEU	10

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Mol	Chain	Res	Type	Models (Total)
1	C	225	GLY	10
1	D	59	SER	10
1	D	116	MET	10
1	D	223	LEU	10
1	D	225	GLY	10
1	A	241	GLU	8
1	B	241	GLU	8
1	C	241	GLU	8
1	D	241	GLU	8
1	A	224	LEU	6
1	B	224	LEU	6
1	C	224	LEU	6
1	D	224	LEU	6
1	A	111	VAL	6
1	B	111	VAL	6
1	C	111	VAL	6
1	D	111	VAL	6
1	A	61	PRO	6
1	B	61	PRO	6
1	C	61	PRO	6
1	D	61	PRO	6
1	A	186	ALA	5
1	B	186	ALA	5
1	C	186	ALA	5
1	D	186	ALA	5
1	A	184	VAL	5
1	B	184	VAL	5
1	C	184	VAL	5
1	D	184	VAL	5
1	A	199	HIS	4
1	A	221	ILE	4
1	B	199	HIS	4
1	B	221	ILE	4
1	C	199	HIS	4
1	C	221	ILE	4
1	D	199	HIS	4
1	D	221	ILE	4
1	A	219	HIS	4
1	B	219	HIS	4
1	C	219	HIS	4
1	D	219	HIS	4
1	A	220	PRO	4

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Mol	Chain	Res	Type	Models (Total)
1	B	220	PRO	4
1	C	220	PRO	4
1	D	220	PRO	4
1	A	113	TYR	4
1	B	113	TYR	4
1	C	113	TYR	4
1	D	113	TYR	4
1	A	118	PRO	3
1	A	206	LEU	3
1	B	118	PRO	3
1	B	206	LEU	3
1	C	118	PRO	3
1	C	206	LEU	3
1	D	118	PRO	3
1	D	206	LEU	3
1	A	110	THR	3
1	B	110	THR	3
1	C	110	THR	3
1	D	110	THR	3
1	A	201	SER	3
1	B	201	SER	3
1	C	201	SER	3
1	D	201	SER	3
1	A	200	SER	2
1	B	200	SER	2
1	C	200	SER	2
1	D	200	SER	2
1	A	109	ALA	2
1	B	109	ALA	2
1	C	109	ALA	2
1	D	109	ALA	2
1	A	88	PRO	1
1	A	95	PRO	1
1	A	112	GLY	1
1	B	88	PRO	1
1	B	95	PRO	1
1	B	112	GLY	1
1	C	88	PRO	1
1	C	95	PRO	1
1	C	112	GLY	1
1	D	88	PRO	1
1	D	95	PRO	1

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Mol	Chain	Res	Type	Models (Total)
1	D	112	GLY	1
1	A	166	PRO	1
1	B	166	PRO	1
1	C	166	PRO	1
1	D	166	PRO	1
1	A	119	GLN	1
1	B	119	GLN	1
1	C	119	GLN	1
1	D	119	GLN	1
1	A	222	PHE	1
1	A	262	GLU	1
1	B	222	PHE	1
1	B	262	GLU	1
1	C	222	PHE	1
1	C	262	GLU	1
1	D	222	PHE	1
1	D	262	GLU	1
1	A	197	ARG	1
1	B	197	ARG	1
1	C	197	ARG	1
1	D	197	ARG	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	200/269 (74%)	188±3 (94±1%)	12±3 (6±1%)	21	70
1	B	200/269 (74%)	187±3 (94±1%)	13±3 (6±1%)	21	70
1	C	200/269 (74%)	188±3 (94±1%)	12±3 (6±1%)	21	70
1	D	200/269 (74%)	188±3 (94±1%)	12±3 (6±1%)	21	70
All	All	8000/10760 (74%)	7499 (94%)	501 (6%)	21	70

All 216 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	59	SER	7
1	A	223	LEU	7
1	B	59	SER	7
1	B	223	LEU	7
1	C	59	SER	7
1	C	223	LEU	7
1	D	59	SER	7
1	D	223	LEU	7
1	A	82	TYR	6
1	B	82	TYR	6
1	C	82	TYR	6
1	D	82	TYR	6
1	A	105	VAL	6
1	B	105	VAL	6
1	C	105	VAL	6
1	D	105	VAL	6
1	A	113	TYR	5
1	A	153	ARG	5
1	A	208	LYS	5
1	A	222	PHE	5
1	A	267	VAL	5
1	B	113	TYR	5
1	B	153	ARG	5
1	B	208	LYS	5
1	B	222	PHE	5
1	B	267	VAL	5
1	C	113	TYR	5
1	C	153	ARG	5
1	C	208	LYS	5
1	C	222	PHE	5
1	C	267	VAL	5
1	D	113	TYR	5
1	D	153	ARG	5
1	D	208	LYS	5
1	D	222	PHE	5
1	D	267	VAL	5
1	A	264	THR	5
1	B	164	VAL	5
1	B	264	THR	5
1	C	264	THR	5
1	D	264	THR	5
1	A	164	VAL	4
1	C	164	VAL	4

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Mol	Chain	Res	Type	Models (Total)
1	D	164	VAL	4
1	A	241	GLU	4
1	B	241	GLU	4
1	C	241	GLU	4
1	D	241	GLU	4
1	A	230	HIS	4
1	B	230	HIS	4
1	C	230	HIS	4
1	D	230	HIS	4
1	A	108	LEU	3
1	A	192	MET	3
1	B	108	LEU	3
1	B	192	MET	3
1	C	108	LEU	3
1	C	192	MET	3
1	D	108	LEU	3
1	D	192	MET	3
1	A	191	LYS	3
1	B	191	LYS	3
1	C	191	LYS	3
1	D	191	LYS	3
1	A	206	LEU	2
1	A	242	THR	2
1	B	206	LEU	2
1	B	242	THR	2
1	C	206	LEU	2
1	C	242	THR	2
1	D	206	LEU	2
1	D	242	THR	2
1	A	201	SER	2
1	A	257	ILE	2
1	B	201	SER	2
1	B	257	ILE	2
1	C	201	SER	2
1	C	257	ILE	2
1	D	201	SER	2
1	D	257	ILE	2
1	A	30	ARG	2
1	A	116	MET	2
1	A	148	ARG	2
1	B	30	ARG	2
1	B	116	MET	2

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Mol	Chain	Res	Type	Models (Total)
1	B	148	ARG	2
1	C	30	ARG	2
1	C	116	MET	2
1	C	148	ARG	2
1	D	30	ARG	2
1	D	116	MET	2
1	D	148	ARG	2
1	A	226	TRP	2
1	B	226	TRP	2
1	C	226	TRP	2
1	D	226	TRP	2
1	A	111	VAL	2
1	B	111	VAL	2
1	C	111	VAL	2
1	D	111	VAL	2
1	A	253	LEU	2
1	B	253	LEU	2
1	C	253	LEU	2
1	D	253	LEU	2
1	A	31	ILE	1
1	A	56	LEU	1
1	A	185	ILE	1
1	A	269	GLN	1
1	B	31	ILE	1
1	B	56	LEU	1
1	B	185	ILE	1
1	B	269	GLN	1
1	C	31	ILE	1
1	C	56	LEU	1
1	C	185	ILE	1
1	C	269	GLN	1
1	D	31	ILE	1
1	D	56	LEU	1
1	D	185	ILE	1
1	D	269	GLN	1
1	A	165	ARG	1
1	A	195	MET	1
1	A	204	TYR	1
1	A	239	PHE	1
1	B	165	ARG	1
1	B	195	MET	1
1	B	204	TYR	1

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Mol	Chain	Res	Type	Models (Total)
1	B	239	PHE	1
1	C	165	ARG	1
1	C	195	MET	1
1	C	204	TYR	1
1	C	239	PHE	1
1	D	165	ARG	1
1	D	195	MET	1
1	D	204	TYR	1
1	D	239	PHE	1
1	A	4	ASP	1
1	A	219	HIS	1
1	A	224	LEU	1
1	B	4	ASP	1
1	B	219	HIS	1
1	B	224	LEU	1
1	C	4	ASP	1
1	C	219	HIS	1
1	C	224	LEU	1
1	D	4	ASP	1
1	D	219	HIS	1
1	D	224	LEU	1
1	A	60	TRP	1
1	A	167	PHE	1
1	A	199	HIS	1
1	A	209	ILE	1
1	A	279	ILE	1
1	B	60	TRP	1
1	B	167	PHE	1
1	B	199	HIS	1
1	B	209	ILE	1
1	B	279	ILE	1
1	C	60	TRP	1
1	C	167	PHE	1
1	C	199	HIS	1
1	C	209	ILE	1
1	C	279	ILE	1
1	D	60	TRP	1
1	D	167	PHE	1
1	D	199	HIS	1
1	D	209	ILE	1
1	D	279	ILE	1
1	A	89	ILE	1

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Mol	Chain	Res	Type	Models (Total)
1	A	106	GLU	1
1	B	89	ILE	1
1	B	106	GLU	1
1	C	89	ILE	1
1	C	106	GLU	1
1	D	89	ILE	1
1	D	106	GLU	1
1	A	176	ARG	1
1	B	176	ARG	1
1	C	176	ARG	1
1	D	176	ARG	1
1	A	84	LEU	1
1	A	163	ILE	1
1	A	182	GLN	1
1	A	193	ARG	1
1	B	84	LEU	1
1	B	163	ILE	1
1	B	182	GLN	1
1	B	193	ARG	1
1	C	84	LEU	1
1	C	163	ILE	1
1	C	182	GLN	1
1	C	193	ARG	1
1	D	84	LEU	1
1	D	163	ILE	1
1	D	182	GLN	1
1	D	193	ARG	1
1	A	216	ARG	1
1	A	276	HIS	1
1	B	216	ARG	1
1	B	276	HIS	1
1	C	216	ARG	1
1	C	276	HIS	1
1	D	216	ARG	1
1	D	276	HIS	1
1	A	120	THR	1
1	A	246	LEU	1
1	B	120	THR	1
1	B	246	LEU	1
1	C	120	THR	1
1	C	246	LEU	1
1	D	120	THR	1

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Mol	Chain	Res	Type	Models (Total)
1	D	246	LEU	1
1	A	67	LEU	1
1	B	67	LEU	1
1	C	67	LEU	1
1	D	67	LEU	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 9% for the well-defined parts and 9% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_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	1566
Number of shifts mapped to atoms	1566
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	2

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
$^{13}\text{C}_\alpha$	300	-0.38 ± 0.11	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	278	0.22 ± 0.07	None needed (< 0.5 ppm)
$^{13}\text{C}'$	294	-0.27 ± 0.09	None needed (< 0.5 ppm)
^{15}N	300	0.09 ± 0.22	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments i

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 9%, i.e. 1239 atoms were assigned a chemical shift out of a possible 13596. 0 out of 168 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	714/4832 (15%)	0/1960 (0%)	484/1952 (25%)	230/920 (25%)
Sidechain	517/7412 (7%)	0/4880 (0%)	517/2228 (23%)	0/304 (0%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	8/1352 (1%)	0/684 (0%)	8/612 (1%)	0/56 (0%)
Overall	1239/13596 (9%)	0/7524 (0%)	1009/4792 (21%)	230/1280 (18%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 9%, i.e. 1514 atoms were assigned a chemical shift out of a possible 16576. 0 out of 184 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	878/5968 (15%)	0/2420 (0%)	594/2408 (25%)	284/1140 (25%)
Sidechain	624/8916 (7%)	0/5868 (0%)	624/2684 (23%)	0/364 (0%)
Aromatic	12/1692 (1%)	0/860 (0%)	12/764 (2%)	0/68 (0%)
Overall	1514/16576 (9%)	0/9148 (0%)	1230/5856 (21%)	284/1572 (18%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

7.1.4 Statistically unusual chemical shifts [i](#)

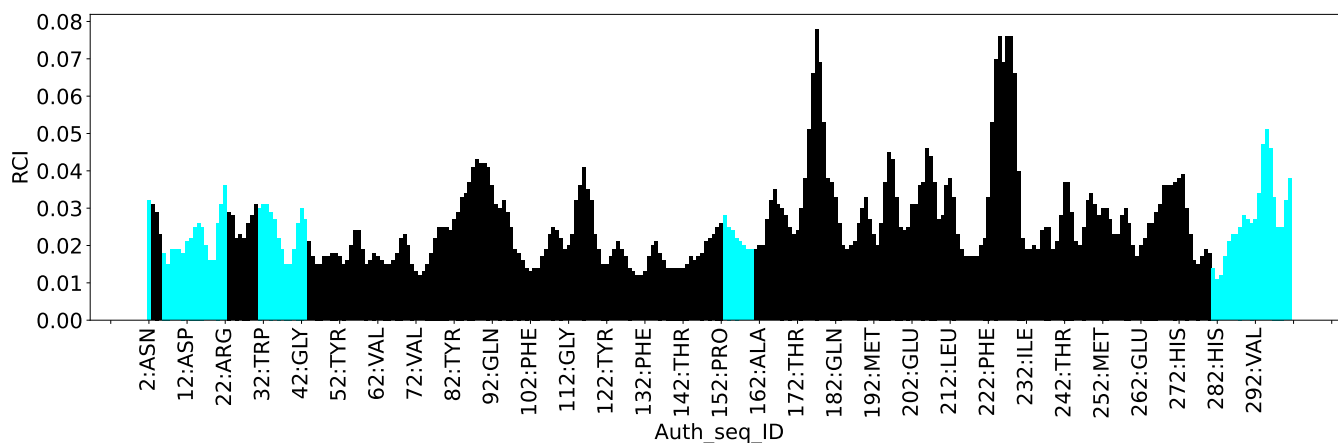
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	14	PHE	CD2	140.31	125.53 – 137.61	7.2
1	A	14	PHE	CD1	140.31	125.33 – 137.83	7.0

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_shifts_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	17
Number of shifts mapped to atoms	17
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](#)

No chemical shift referencing corrections were calculated (not enough data).

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 0%, i.e. 17 atoms were assigned a chemical shift out of a possible 13596. 0 out of 168 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	9/4832 (0%)	0/1960 (0%)	6/1952 (0%)	3/920 (0%)

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	Total	¹H	¹³C	¹⁵N
Sidechain	7/7412 (0%)	0/4880 (0%)	7/2228 (0%)	0/304 (0%)
Aromatic	1/1352 (0%)	0/684 (0%)	1/612 (0%)	0/56 (0%)
Overall	17/13596 (0%)	0/7524 (0%)	14/4792 (0%)	3/1280 (0%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 0%, i.e. 17 atoms were assigned a chemical shift out of a possible 16576. 0 out of 184 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	9/5968 (0%)	0/2420 (0%)	6/2408 (0%)	3/1140 (0%)
Sidechain	7/8916 (0%)	0/5868 (0%)	7/2684 (0%)	0/364 (0%)
Aromatic	1/1692 (0%)	0/860 (0%)	1/764 (0%)	0/68 (0%)
Overall	17/16576 (0%)	0/9148 (0%)	14/5856 (0%)	3/1572 (0%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

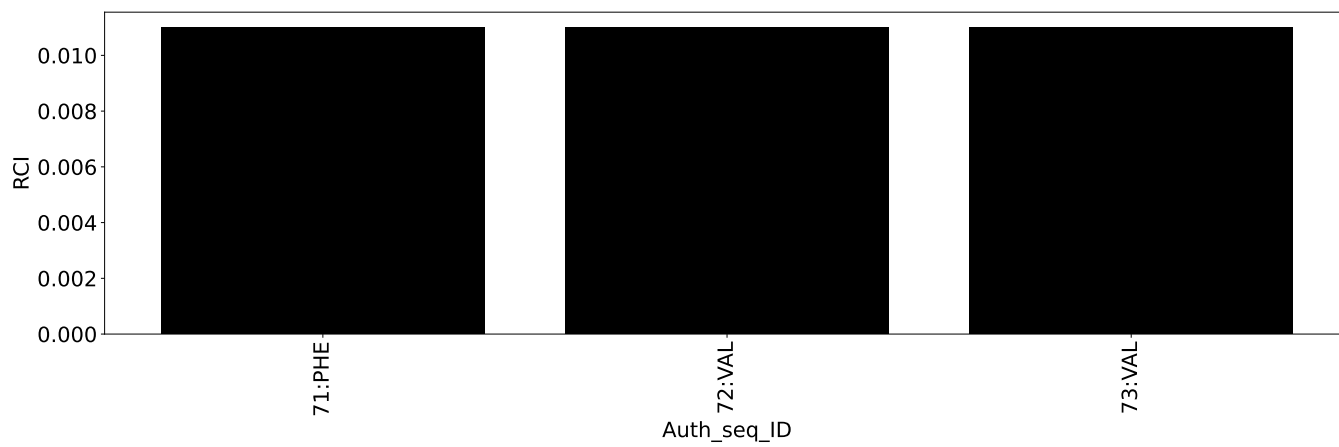
7.2.4 Statistically unusual chemical shifts [i](#)

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 A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	57
Intra-residue ($ i-j =0$)	0
Sequential ($ i-j =1$)	4
Medium range ($ i-j >1$ and $ i-j <5$)	12
Long range ($ i-j \geq 5$)	38
Inter-chain	3
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	2004
Number of unmapped restraints	4
Number of restraints per residue	1.5
Number of long range restraints per residue ¹	0.0

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	3.2	0.2
0.2-0.5 (Medium)	4.7	0.5
>0.5 (Large)	10.1	1.77

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	364.0	10.0
10.0-20.0 (Medium)	76.1	19.9
>20.0 (Large)	15.6	38.6

9 Distance violation analysis i

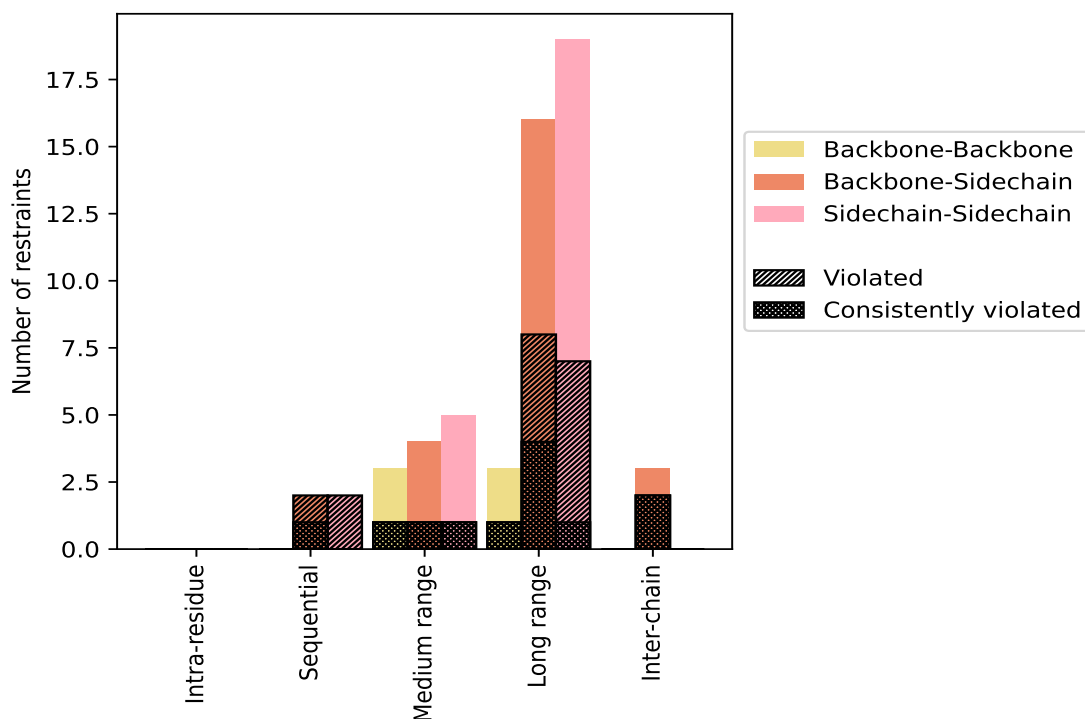
9.1 Summary of distance violations i

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 ($i-j =1$)	4	7.0	4	100.0	7.0	1	25.0	1.8
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	2	3.5	2	100.0	3.5	1	50.0	1.8
Sidechain-Sidechain	2	3.5	2	100.0	3.5	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	12	21.1	3	25.0	5.3	3	25.0	5.3
Backbone-Backbone	3	5.3	1	33.3	1.8	1	33.3	1.8
Backbone-Sidechain	4	7.0	1	25.0	1.8	1	25.0	1.8
Sidechain-Sidechain	5	8.8	1	20.0	1.8	1	20.0	1.8
Long range ($i-j \geq 5$)	38	66.7	16	42.1	28.1	6	15.8	10.5
Backbone-Backbone	3	5.3	1	33.3	1.8	1	33.3	1.8
Backbone-Sidechain	16	28.1	8	50.0	14.0	4	25.0	7.0
Sidechain-Sidechain	19	33.3	7	36.8	12.3	1	5.3	1.8
Inter-chain	3	5.3	2	66.7	3.5	2	66.7	3.5
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	3	5.3	2	66.7	3.5	2	66.7	3.5
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	57	100.0	25	43.9	43.9	12	21.1	21.1
Backbone-Backbone	6	10.5	2	33.3	3.5	2	33.3	3.5
Backbone-Sidechain	25	43.9	13	52.0	22.8	8	32.0	14.0
Sidechain-Sidechain	26	45.6	10	38.5	17.5	2	7.7	3.5

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

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



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

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

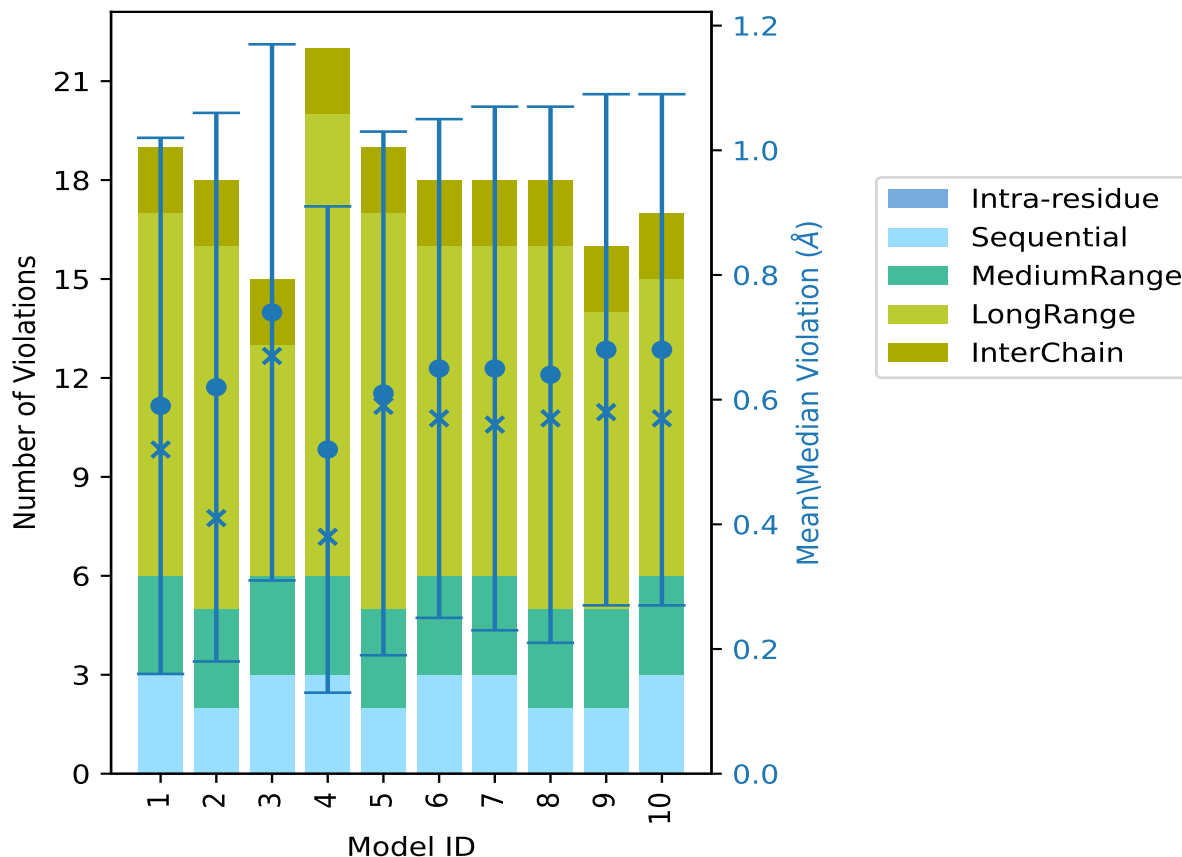
The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	0	3	3	11	2	19	0.59	1.5	0.43	0.52
2	0	2	3	11	2	18	0.62	1.65	0.44	0.41
3	0	3	3	7	2	15	0.74	1.75	0.43	0.67
4	0	3	3	14	2	22	0.52	1.46	0.39	0.38
5	0	2	3	12	2	19	0.61	1.44	0.42	0.59
6	0	3	3	10	2	18	0.65	1.44	0.4	0.57
7	0	3	3	10	2	18	0.65	1.62	0.42	0.56
8	0	2	3	11	2	18	0.64	1.62	0.43	0.57
9	0	2	3	9	2	16	0.68	1.55	0.41	0.58
10	0	3	3	9	2	17	0.68	1.77	0.41	0.57

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model [i](#)



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

9.3 Distance violation statistics for the ensemble [i](#)

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, 32(IR:0, SQ:0, MR:9, LR:22, IC:1) 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	1	0	2	0	3	1	10.0
0	0	0	1	0	1	2	20.0
0	0	0	1	0	1	3	30.0
0	0	0	0	0	0	4	40.0

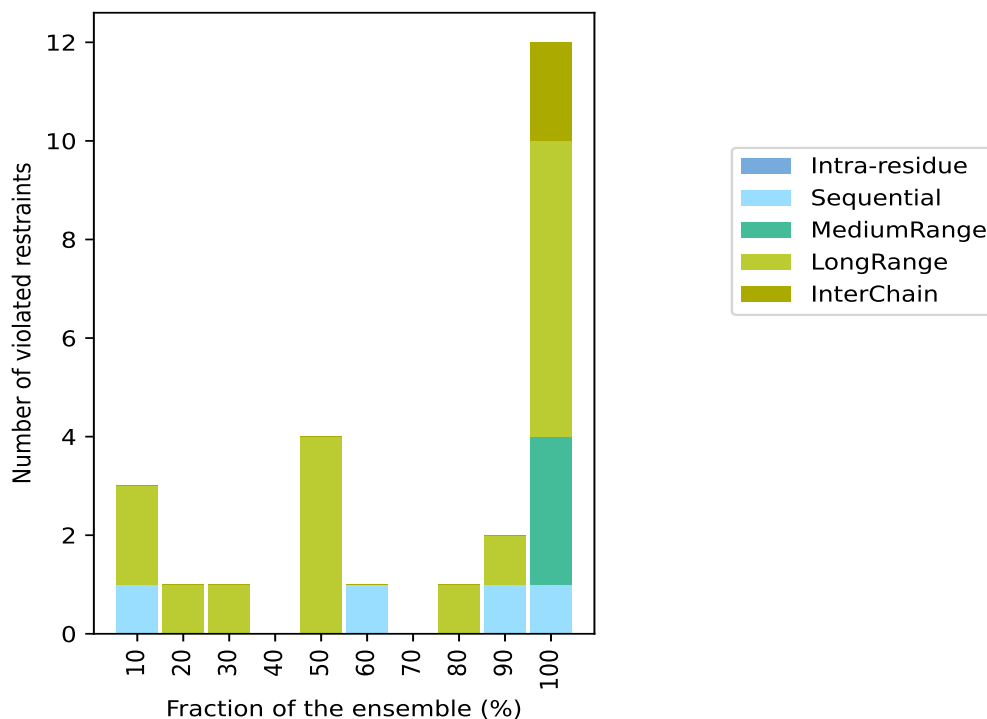
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Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	0	0	4	0	4	5	50.0
0	1	0	0	0	1	6	60.0
0	0	0	0	0	0	7	70.0
0	0	0	1	0	1	8	80.0
0	1	0	1	0	2	9	90.0
0	1	3	6	2	12	10	100.0

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

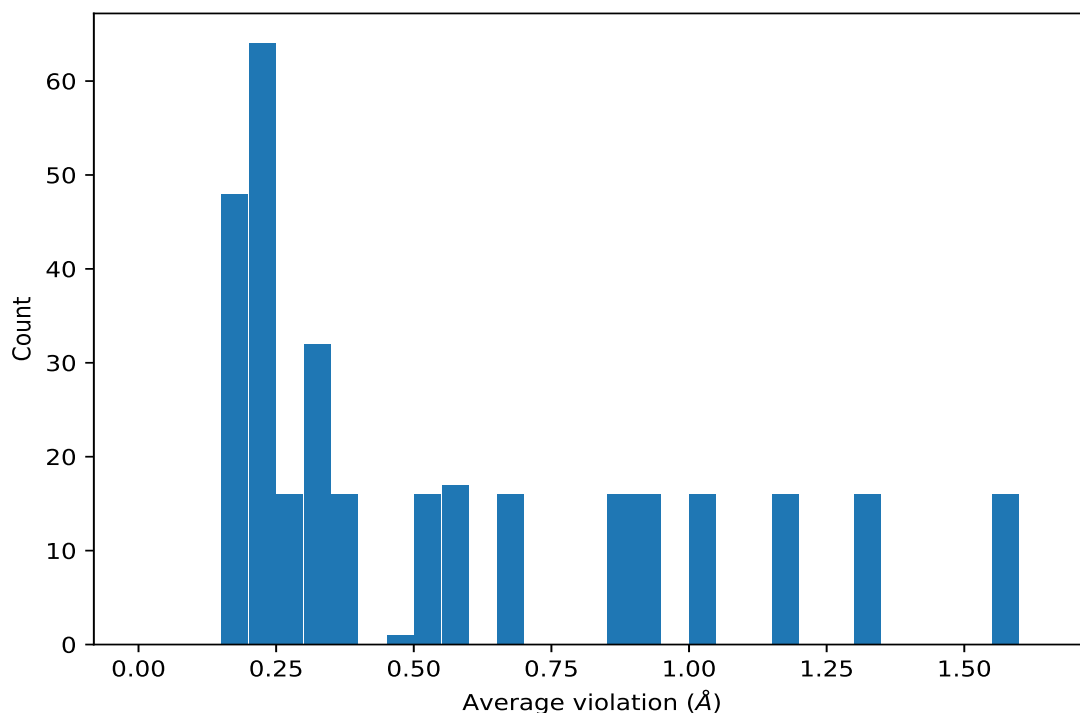
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	10	1.58	0.12	1.58
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	10	1.58	0.12	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	10	1.31	0.04	1.31
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	10	1.31	0.04	1.31
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	10	1.16	0.01	1.16
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	10	1.16	0.01	1.16
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	10	1.02	0.11	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	10	1.02	0.11	1.0
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	10	1.02	0.11	1.0
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	10	0.94	0.11	0.95
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	10	0.94	0.11	0.95
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	10	0.86	0.06	0.85
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	10	0.86	0.06	0.85
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	10	0.69	0.08	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	10	0.69	0.08	0.7
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	10	0.69	0.08	0.7
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	10	0.57	0.03	0.58
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	10	0.57	0.12	0.6
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	10	0.57	0.12	0.6
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	10	0.54	0.08	0.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	10	0.54	0.08	0.57
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	10	0.54	0.08	0.57
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	10	0.47	0.05	0.47
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	10	0.3	0.1	0.27
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	10	0.3	0.1	0.27
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	9	0.21	0.04	0.2
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	9	0.21	0.04	0.2
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	9	0.2	0.02	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	9	0.2	0.02	0.19
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	9	0.2	0.02	0.19
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	8	0.37	0.08	0.37
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	8	0.37	0.08	0.37
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	6	0.31	0.19	0.29
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	6	0.31	0.19	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,23)	1:A:105:VAL:CG1	1:A:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:A:105:VAL:CG1	1:B:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:A:105:VAL:CG1	1:C:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:A:105:VAL:CG1	1:D:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:B:105:VAL:CG1	1:A:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:B:105:VAL:CG1	1:B:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:B:105:VAL:CG1	1:C:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:B:105:VAL:CG1	1:D:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:C:105:VAL:CG1	1:A:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:C:105:VAL:CG1	1:B:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:C:105:VAL:CG1	1:C:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:C:105:VAL:CG1	1:D:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:D:105:VAL:CG1	1:A:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:D:105:VAL:CG1	1:B:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:D:105:VAL:CG1	1:C:116:MET:CE	5	0.25	0.09	0.22
(2,23)	1:D:105:VAL:CG1	1:D:116:MET:CE	5	0.25	0.09	0.22
(2,42)	1:A:230:HIS:CB	1:A:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:A:230:HIS:CB	1:B:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:A:230:HIS:CB	1:C:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:A:230:HIS:CB	1:D:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:B:230:HIS:CB	1:A:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:B:230:HIS:CB	1:B:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:B:230:HIS:CB	1:C:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:B:230:HIS:CB	1:D:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:C:230:HIS:CB	1:A:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:C:230:HIS:CB	1:B:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:C:230:HIS:CB	1:C:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:C:230:HIS:CB	1:D:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:D:230:HIS:CB	1:A:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:D:230:HIS:CB	1:B:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:D:230:HIS:CB	1:C:237:PRO:CG	5	0.21	0.04	0.23
(2,42)	1:D:230:HIS:CB	1:D:237:PRO:CG	5	0.21	0.04	0.23
(2,43)	1:A:238:LEU:CD2	1:A:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:A:238:LEU:CD2	1:B:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:A:238:LEU:CD2	1:C:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:A:238:LEU:CD2	1:D:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:B:238:LEU:CD2	1:A:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:B:238:LEU:CD2	1:B:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:B:238:LEU:CD2	1:C:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:B:238:LEU:CD2	1:D:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:C:238:LEU:CD2	1:A:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:C:238:LEU:CD2	1:B:173:LEU:CG	5	0.17	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,43)	1:C:238:LEU:CD2	1:C:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:C:238:LEU:CD2	1:D:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:D:238:LEU:CD2	1:A:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:D:238:LEU:CD2	1:B:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:D:238:LEU:CD2	1:C:173:LEU:CG	5	0.17	0.03	0.15
(2,43)	1:D:238:LEU:CD2	1:D:173:LEU:CG	5	0.17	0.03	0.15
(2,34)	1:A:191:LYS:CB	1:A:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:A:191:LYS:CB	1:B:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:A:191:LYS:CB	1:C:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:A:191:LYS:CB	1:D:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:B:191:LYS:CB	1:A:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:B:191:LYS:CB	1:B:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:B:191:LYS:CB	1:C:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:B:191:LYS:CB	1:D:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:C:191:LYS:CB	1:A:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:C:191:LYS:CB	1:B:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:C:191:LYS:CB	1:C:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:C:191:LYS:CB	1:D:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:D:191:LYS:CB	1:A:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:D:191:LYS:CB	1:B:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:D:191:LYS:CB	1:C:256:MET:CA	5	0.15	0.03	0.14
(2,34)	1:D:191:LYS:CB	1:D:256:MET:CA	5	0.15	0.03	0.14
(2,38)	1:A:215:VAL:CG1	1:A:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:A:215:VAL:CG1	1:B:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:A:215:VAL:CG1	1:C:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:A:215:VAL:CG1	1:D:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:B:215:VAL:CG1	1:A:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:B:215:VAL:CG1	1:B:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:B:215:VAL:CG1	1:C:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:B:215:VAL:CG1	1:D:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:C:215:VAL:CG1	1:A:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:C:215:VAL:CG1	1:B:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:C:215:VAL:CG1	1:C:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:C:215:VAL:CG1	1:D:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:D:215:VAL:CG1	1:A:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:D:215:VAL:CG1	1:B:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:D:215:VAL:CG1	1:C:174:MET:CE	3	0.2	0.07	0.17
(2,38)	1:D:215:VAL:CG1	1:D:174:MET:CE	3	0.2	0.07	0.17
(2,32)	1:A:151:ARG:CG	1:A:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:A:151:ARG:CG	1:B:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:A:151:ARG:CG	1:C:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:A:151:ARG:CG	1:D:268:MET:CA	2	0.16	0.02	0.16

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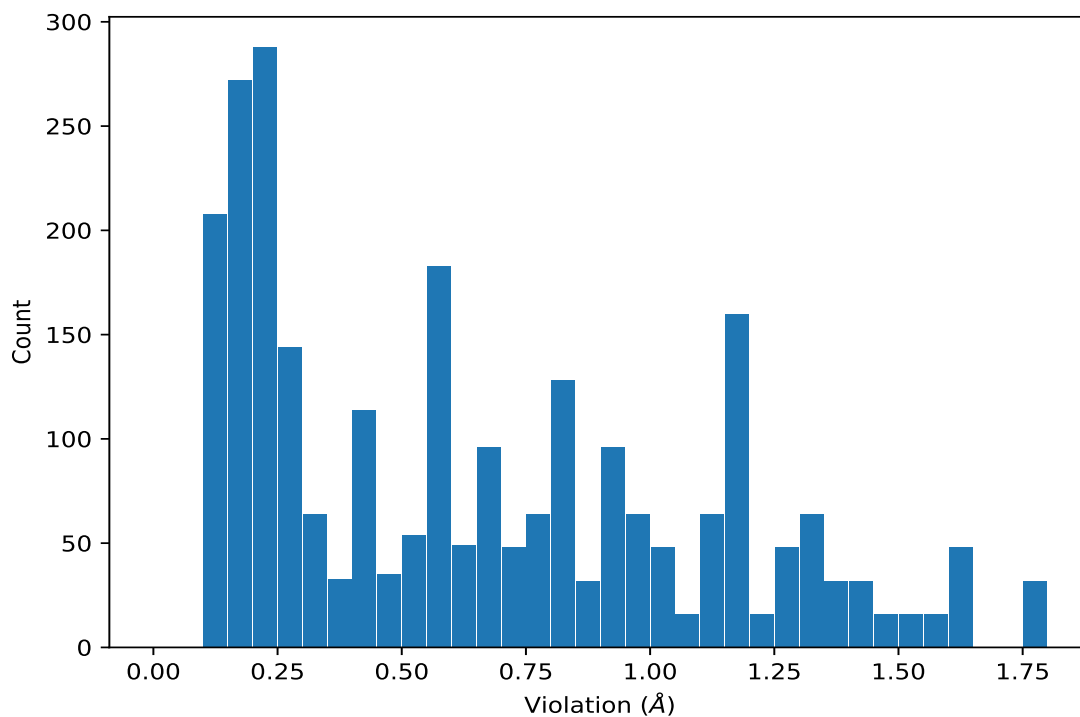
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,32)	1:B:151:ARG:CG	1:A:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:B:151:ARG:CG	1:B:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:B:151:ARG:CG	1:C:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:B:151:ARG:CG	1:D:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:C:151:ARG:CG	1:A:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:C:151:ARG:CG	1:B:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:C:151:ARG:CG	1:C:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:C:151:ARG:CG	1:D:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:D:151:ARG:CG	1:A:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:D:151:ARG:CG	1:B:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:D:151:ARG:CG	1:C:268:MET:CA	2	0.16	0.02	0.16
(2,32)	1:D:151:ARG:CG	1:D:268:MET:CA	2	0.16	0.02	0.16

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	10	1.77
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	10	1.77
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	10	1.77
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	10	1.77
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	10	1.77
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	10	1.77
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	10	1.77
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	10	1.77
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	10	1.77
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	10	1.77
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	10	1.77
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	10	1.77
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	10	1.77
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	10	1.77
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	10	1.77
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	10	1.77
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	3	1.75
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	3	1.75
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	3	1.75
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	3	1.75
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	3	1.75
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	3	1.75
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	3	1.75
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	3	1.75
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	3	1.75
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	3	1.75
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	3	1.75
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	3	1.75
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	3	1.75
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	3	1.75
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	3	1.75
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	3	1.75
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	2	1.65
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	2	1.65
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	2	1.65
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	2	1.65
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	2	1.65
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	2	1.65
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	2	1.65
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	2	1.65
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	2	1.65
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	2	1.65
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	2	1.65
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	2	1.65
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	2	1.65
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	2	1.65
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	2	1.65
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	7	1.62
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	7	1.62
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	7	1.62
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	7	1.62
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	7	1.62
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	7	1.62
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	7	1.62
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	7	1.62
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	7	1.62
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	7	1.62
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	7	1.62
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	7	1.62
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	7	1.62
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	7	1.62
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	7	1.62
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	7	1.62
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	8	1.62
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	8	1.62
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	8	1.62
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	8	1.62
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	8	1.62
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	8	1.62
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	8	1.62
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	8	1.62
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	8	1.62
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	8	1.62
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	8	1.62
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	8	1.62
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	8	1.62
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	8	1.62
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	8	1.62
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	9	1.55
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	9	1.55
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	9	1.55
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	9	1.55
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	9	1.55
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	9	1.55
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	9	1.55
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	9	1.55
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	9	1.55
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	9	1.55
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	9	1.55
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	9	1.55
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	9	1.55
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	9	1.55
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	9	1.55
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	9	1.55
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	1	1.5
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	1	1.5
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	1	1.5
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	1	1.5
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	1	1.5
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	1	1.5
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	1	1.5
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	1	1.5
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	1	1.5
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	1	1.5
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	1	1.5
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	1	1.5
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	1	1.5
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	1	1.5
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	1	1.5
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	1	1.5
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	4	1.46
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	4	1.46
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	4	1.46
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	4	1.46
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	4	1.46
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	4	1.46
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	4	1.46
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	4	1.46
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	4	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	4	1.46
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	4	1.46
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	4	1.46
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	4	1.46
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	4	1.46
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	4	1.46
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	4	1.46
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	5	1.44
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	5	1.44
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	5	1.44
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	5	1.44
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	5	1.44
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	5	1.44
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	5	1.44
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	5	1.44
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	5	1.44
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	5	1.44
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	5	1.44
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	5	1.44
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	5	1.44
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	5	1.44
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	5	1.44
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	5	1.44
(2,5)	1:A:16:GLN:CA	1:A:176:ARG:CG	6	1.44
(2,5)	1:A:16:GLN:CA	1:B:176:ARG:CG	6	1.44
(2,5)	1:A:16:GLN:CA	1:C:176:ARG:CG	6	1.44
(2,5)	1:A:16:GLN:CA	1:D:176:ARG:CG	6	1.44
(2,5)	1:B:16:GLN:CA	1:A:176:ARG:CG	6	1.44
(2,5)	1:B:16:GLN:CA	1:B:176:ARG:CG	6	1.44
(2,5)	1:B:16:GLN:CA	1:C:176:ARG:CG	6	1.44
(2,5)	1:B:16:GLN:CA	1:D:176:ARG:CG	6	1.44
(2,5)	1:C:16:GLN:CA	1:A:176:ARG:CG	6	1.44
(2,5)	1:C:16:GLN:CA	1:B:176:ARG:CG	6	1.44
(2,5)	1:C:16:GLN:CA	1:C:176:ARG:CG	6	1.44
(2,5)	1:C:16:GLN:CA	1:D:176:ARG:CG	6	1.44
(2,5)	1:D:16:GLN:CA	1:A:176:ARG:CG	6	1.44
(2,5)	1:D:16:GLN:CA	1:B:176:ARG:CG	6	1.44
(2,5)	1:D:16:GLN:CA	1:C:176:ARG:CG	6	1.44
(2,5)	1:D:16:GLN:CA	1:D:176:ARG:CG	6	1.44
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	3	1.4
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	3	1.4
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	3	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	3	1.4
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	3	1.4
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	3	1.4
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	3	1.4
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	3	1.4
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	3	1.4
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	3	1.4
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	3	1.4
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	3	1.4
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	3	1.4
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	3	1.4
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	3	1.4
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	3	1.4
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	2	1.35
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	2	1.35
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	2	1.35
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	2	1.35
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	2	1.35
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	2	1.35
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	2	1.35
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	2	1.35
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	2	1.35
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	2	1.35
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	2	1.35
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	2	1.35
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	2	1.35
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	2	1.35
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	2	1.35
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	2	1.35
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	1	1.33
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	1	1.33
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	1	1.33
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	1	1.33
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	1	1.33
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	1	1.33
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	1	1.33
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	1	1.33
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	1	1.33
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	1	1.33
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	1	1.33
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	1	1.33
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	1	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	1	1.33
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	1	1.33
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	1	1.33
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	4	1.32
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	4	1.32
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	4	1.32
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	4	1.32
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	4	1.32
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	4	1.32
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	4	1.32
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	4	1.32
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	4	1.32
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	4	1.32
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	4	1.32
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	4	1.32
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	4	1.32
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	4	1.32
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	4	1.32
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	4	1.32
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	7	1.32
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	7	1.32
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	7	1.32
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	7	1.32
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	7	1.32
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	7	1.32
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	7	1.32
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	7	1.32
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	7	1.32
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	7	1.32
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	7	1.32
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	7	1.32
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	7	1.32
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	7	1.32
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	7	1.32
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	7	1.32
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	9	1.3
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	9	1.3
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	9	1.3
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	9	1.3
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	9	1.3
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	9	1.3
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	9	1.3
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	9	1.3
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	9	1.3
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	9	1.3
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	9	1.3
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	9	1.3
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	9	1.3
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	9	1.3
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	9	1.3
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	8	1.28
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	8	1.28
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	8	1.28
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	8	1.28
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	8	1.28
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	8	1.28
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	8	1.28
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	8	1.28
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	8	1.28
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	8	1.28
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	8	1.28
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	8	1.28
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	8	1.28
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	8	1.28
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	8	1.28
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	8	1.28
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	10	1.28
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	10	1.28
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	10	1.28
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	10	1.28
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	10	1.28
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	10	1.28
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	10	1.28
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	10	1.28
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	10	1.28
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	10	1.28
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	10	1.28
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	10	1.28
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	10	1.28
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	10	1.28
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	10	1.28
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	10	1.28
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	6	1.27
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	6	1.27
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	6	1.27
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	6	1.27
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	6	1.27
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	6	1.27
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	6	1.27
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	6	1.27
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	6	1.27
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	6	1.27
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	6	1.27
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	6	1.27
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	6	1.27
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	6	1.27
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	6	1.27
(2,49)	1:A:271:ARG:CA	1:A:5:PRO:CG	5	1.23
(2,49)	1:A:271:ARG:CA	1:B:5:PRO:CG	5	1.23
(2,49)	1:A:271:ARG:CA	1:C:5:PRO:CG	5	1.23
(2,49)	1:A:271:ARG:CA	1:D:5:PRO:CG	5	1.23
(2,49)	1:B:271:ARG:CA	1:A:5:PRO:CG	5	1.23
(2,49)	1:B:271:ARG:CA	1:B:5:PRO:CG	5	1.23
(2,49)	1:B:271:ARG:CA	1:C:5:PRO:CG	5	1.23
(2,49)	1:B:271:ARG:CA	1:D:5:PRO:CG	5	1.23
(2,49)	1:C:271:ARG:CA	1:A:5:PRO:CG	5	1.23
(2,49)	1:C:271:ARG:CA	1:B:5:PRO:CG	5	1.23
(2,49)	1:C:271:ARG:CA	1:C:5:PRO:CG	5	1.23
(2,49)	1:C:271:ARG:CA	1:D:5:PRO:CG	5	1.23
(2,49)	1:D:271:ARG:CA	1:A:5:PRO:CG	5	1.23
(2,49)	1:D:271:ARG:CA	1:B:5:PRO:CG	5	1.23
(2,49)	1:D:271:ARG:CA	1:C:5:PRO:CG	5	1.23
(2,49)	1:D:271:ARG:CA	1:D:5:PRO:CG	5	1.23
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	5	1.2
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	5	1.2
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	5	1.2
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	5	1.2
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	5	1.2
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	5	1.2
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	5	1.2
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	5	1.2
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	5	1.2
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	5	1.2
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	5	1.2
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	5	1.2
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	5	1.2
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	5	1.2
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	5	1.2
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	6	1.18
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	6	1.18
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	6	1.18
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	6	1.18
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	6	1.18
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	6	1.18
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	6	1.18
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	6	1.18
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	6	1.18
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	6	1.18
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	6	1.18
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	6	1.18
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	6	1.18
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	6	1.18
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	6	1.18
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	6	1.18
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	6	1.17
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	6	1.17
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	6	1.17
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	6	1.17
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	6	1.17
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	6	1.17
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	6	1.17
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	6	1.17
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	6	1.17
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	6	1.17
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	6	1.17
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	6	1.17
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	6	1.17
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	6	1.17
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	6	1.17
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	6	1.17
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	2	1.17
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	2	1.17
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	2	1.17
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	2	1.17
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	2	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	2	1.17
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	2	1.17
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	2	1.17
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	2	1.17
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	2	1.17
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	2	1.17
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	2	1.17
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	2	1.17
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	2	1.17
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	2	1.17
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	2	1.17
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	4	1.17
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	4	1.17
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	4	1.17
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	4	1.17
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	4	1.17
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	4	1.17
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	4	1.17
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	4	1.17
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	4	1.17
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	4	1.17
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	4	1.17
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	4	1.17
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	4	1.17
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	4	1.17
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	4	1.17
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	4	1.17
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	7	1.17
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	7	1.17
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	7	1.17
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	7	1.17
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	7	1.17
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	7	1.17
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	7	1.17
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	7	1.17
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	7	1.17
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	7	1.17
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	7	1.17
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	7	1.17
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	7	1.17
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	7	1.17
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	7	1.17
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	9	1.17
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	9	1.17
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	9	1.17
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	9	1.17
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	9	1.17
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	9	1.17
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	9	1.17
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	9	1.17
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	9	1.17
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	9	1.17
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	9	1.17
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	9	1.17
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	9	1.17
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	9	1.17
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	9	1.17
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	9	1.17
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	1	1.16
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	1	1.16
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	1	1.16
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	1	1.16
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	1	1.16
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	1	1.16
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	1	1.16
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	1	1.16
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	1	1.16
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	1	1.16
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	1	1.16
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	1	1.16
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	1	1.16
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	1	1.16
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	1	1.16
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	1	1.16
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	8	1.16
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	8	1.16
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	8	1.16
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	8	1.16
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	8	1.16
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	8	1.16
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	8	1.16
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	8	1.16
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	8	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	8	1.16
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	8	1.16
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	8	1.16
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	8	1.16
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	8	1.16
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	8	1.16
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	8	1.16
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	10	1.16
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	10	1.16
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	10	1.16
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	10	1.16
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	10	1.16
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	10	1.16
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	10	1.16
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	10	1.16
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	10	1.16
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	10	1.16
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	10	1.16
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	10	1.16
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	10	1.16
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	10	1.16
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	10	1.16
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	10	1.16
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	3	1.14
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	3	1.14
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	3	1.14
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	3	1.14
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	3	1.14
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	3	1.14
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	3	1.14
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	3	1.14
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	3	1.14
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	3	1.14
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	3	1.14
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	3	1.14
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	3	1.14
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	3	1.14
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	3	1.14
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	3	1.14
(2,36)	1:A:206:LEU:CA	1:A:207:MET:CG	5	1.14
(2,36)	1:A:206:LEU:CA	1:B:207:MET:CG	5	1.14
(2,36)	1:A:206:LEU:CA	1:C:207:MET:CG	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:A:206:LEU:CA	1:D:207:MET:CG	5	1.14
(2,36)	1:B:206:LEU:CA	1:A:207:MET:CG	5	1.14
(2,36)	1:B:206:LEU:CA	1:B:207:MET:CG	5	1.14
(2,36)	1:B:206:LEU:CA	1:C:207:MET:CG	5	1.14
(2,36)	1:B:206:LEU:CA	1:D:207:MET:CG	5	1.14
(2,36)	1:C:206:LEU:CA	1:A:207:MET:CG	5	1.14
(2,36)	1:C:206:LEU:CA	1:B:207:MET:CG	5	1.14
(2,36)	1:C:206:LEU:CA	1:C:207:MET:CG	5	1.14
(2,36)	1:C:206:LEU:CA	1:D:207:MET:CG	5	1.14
(2,36)	1:D:206:LEU:CA	1:A:207:MET:CG	5	1.14
(2,36)	1:D:206:LEU:CA	1:B:207:MET:CG	5	1.14
(2,36)	1:D:206:LEU:CA	1:C:207:MET:CG	5	1.14
(2,36)	1:D:206:LEU:CA	1:D:207:MET:CG	5	1.14
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	7	1.11
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	7	1.11
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	7	1.11
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	7	1.11
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	7	1.11
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	7	1.11
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	7	1.11
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	7	1.11
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	7	1.11
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	7	1.11
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	7	1.11
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	7	1.11
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	7	1.11
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	7	1.11
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	7	1.11
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	7	1.11
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	1	1.1
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	1	1.1
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	1	1.1
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	1	1.1
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	1	1.1
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	1	1.1
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	1	1.1
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	1	1.1
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	1	1.1
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	1	1.1
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	1	1.1
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	1	1.1
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	1	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	1	1.1
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	1	1.1
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	1	1.1
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	5	1.07
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	5	1.07
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	5	1.07
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	5	1.07
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	5	1.07
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	5	1.07
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	5	1.07
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	5	1.07
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	5	1.07
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	5	1.07
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	5	1.07
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	5	1.07
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	5	1.07
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	5	1.07
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	5	1.07
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	5	1.07
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	8	1.04
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	8	1.04
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	8	1.04
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	8	1.04
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	8	1.04
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	8	1.04
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	8	1.04
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	8	1.04
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	8	1.04
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	8	1.04
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	8	1.04
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	8	1.04
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	8	1.04
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	8	1.04
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	8	1.04
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	8	1.04
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	9	1.03
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	9	1.03
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	9	1.03
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	9	1.03
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	9	1.03
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	9	1.03
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	9	1.03
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	9	1.03
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	9	1.03
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	9	1.03
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	9	1.03
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	9	1.03
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	9	1.03
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	9	1.03
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	9	1.03
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	8	1.02
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	8	1.02
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	8	1.02
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	8	1.02
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	8	1.02
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	8	1.02
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	8	1.02
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	8	1.02
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	8	1.02
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	8	1.02
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	8	1.02
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	8	1.02
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	8	1.02
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	8	1.02
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	8	1.02
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	8	1.02
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	2	0.99
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	2	0.99
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	2	0.99
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	2	0.99
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	2	0.99
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	2	0.99
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	2	0.99
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	2	0.99
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	2	0.99
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	2	0.99
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	2	0.99
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	2	0.99
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	2	0.99
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	2	0.99
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	2	0.99
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	2	0.99
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	7	0.98
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	7	0.98
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	7	0.98
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	7	0.98
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	7	0.98
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	7	0.98
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	7	0.98
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	7	0.98
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	7	0.98
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	7	0.98
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	7	0.98
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	7	0.98
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	7	0.98
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	7	0.98
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	7	0.98
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	1	0.98
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	1	0.98
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	1	0.98
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	1	0.98
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	1	0.98
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	1	0.98
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	1	0.98
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	1	0.98
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	1	0.98
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	1	0.98
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	1	0.98
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	1	0.98
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	1	0.98
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	1	0.98
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	1	0.98
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	1	0.98
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	3	0.97
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	3	0.97
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	3	0.97
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	3	0.97
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	3	0.97
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	3	0.97
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	3	0.97
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	3	0.97
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	3	0.97
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	3	0.97
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	3	0.97
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	3	0.97
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	3	0.97
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	3	0.97
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	3	0.97
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	2	0.95
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	2	0.95
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	2	0.95
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	2	0.95
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	2	0.95
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	2	0.95
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	2	0.95
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	2	0.95
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	2	0.95
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	2	0.95
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	2	0.95
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	2	0.95
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	2	0.95
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	2	0.95
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	2	0.95
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	2	0.95
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	6	0.95
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	6	0.95
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	6	0.95
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	6	0.95
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	6	0.95
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	6	0.95
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	6	0.95
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	6	0.95
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	6	0.95
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	6	0.95
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	6	0.95
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	6	0.95
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	6	0.95
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	6	0.95
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	6	0.95
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	6	0.95
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	9	0.95
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	9	0.95
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	9	0.95
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	9	0.95
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	9	0.95
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	9	0.95
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	9	0.95
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	9	0.95
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	9	0.95
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	9	0.95
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	9	0.95
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	9	0.95
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	9	0.95
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	9	0.95
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	9	0.95
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	5	0.93
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	5	0.93
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	5	0.93
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	5	0.93
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	5	0.93
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	5	0.93
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	5	0.93
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	5	0.93
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	5	0.93
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	5	0.93
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	5	0.93
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	5	0.93
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	5	0.93
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	5	0.93
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	5	0.93
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	5	0.93
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	2	0.92
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	2	0.92
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	2	0.92
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	2	0.92
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	2	0.92
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	2	0.92
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	2	0.92
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	2	0.92
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	2	0.92
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	2	0.92
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	2	0.92
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	2	0.92
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	2	0.92
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	2	0.92
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	2	0.92
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	8	0.91
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	8	0.91
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	8	0.91
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	8	0.91
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	8	0.91
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	8	0.91
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	8	0.91
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	8	0.91
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	8	0.91
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	8	0.91
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	8	0.91
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	8	0.91
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	8	0.91
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	8	0.91
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	8	0.91
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	8	0.91
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	4	0.88
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	4	0.88
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	4	0.88
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	4	0.88
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	4	0.88
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	4	0.88
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	4	0.88
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	4	0.88
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	4	0.88
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	4	0.88
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	4	0.88
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	4	0.88
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	4	0.88
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	4	0.88
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	4	0.88
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	4	0.88
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	3	0.86
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	3	0.86
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	3	0.86
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	3	0.86
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	3	0.86
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	3	0.86
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	3	0.86
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	3	0.86
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	3	0.86
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	3	0.86
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	3	0.86
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	3	0.86
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	3	0.86
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	3	0.86
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	3	0.86
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	6	0.85
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	6	0.85
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	6	0.85
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	6	0.85
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	6	0.85
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	6	0.85
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	6	0.85
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	6	0.85
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	6	0.85
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	6	0.85
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	6	0.85
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	6	0.85
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	6	0.85
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	6	0.85
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	6	0.85
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	6	0.85
(2,4)	1:A:16:GLN:CA	1:A:26:ARG:CG	10	0.85
(2,4)	1:A:16:GLN:CA	1:B:26:ARG:CG	10	0.85
(2,4)	1:A:16:GLN:CA	1:C:26:ARG:CG	10	0.85
(2,4)	1:A:16:GLN:CA	1:D:26:ARG:CG	10	0.85
(2,4)	1:B:16:GLN:CA	1:A:26:ARG:CG	10	0.85
(2,4)	1:B:16:GLN:CA	1:B:26:ARG:CG	10	0.85
(2,4)	1:B:16:GLN:CA	1:C:26:ARG:CG	10	0.85
(2,4)	1:B:16:GLN:CA	1:D:26:ARG:CG	10	0.85
(2,4)	1:C:16:GLN:CA	1:A:26:ARG:CG	10	0.85
(2,4)	1:C:16:GLN:CA	1:B:26:ARG:CG	10	0.85
(2,4)	1:C:16:GLN:CA	1:C:26:ARG:CG	10	0.85
(2,4)	1:C:16:GLN:CA	1:D:26:ARG:CG	10	0.85
(2,4)	1:D:16:GLN:CA	1:A:26:ARG:CG	10	0.85
(2,4)	1:D:16:GLN:CA	1:B:26:ARG:CG	10	0.85
(2,4)	1:D:16:GLN:CA	1:C:26:ARG:CG	10	0.85
(2,4)	1:D:16:GLN:CA	1:D:26:ARG:CG	10	0.85
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	4	0.85
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	4	0.85
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	4	0.85
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	4	0.85
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	4	0.85
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	4	0.85
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	4	0.85
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	4	0.85
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	4	0.85
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	4	0.85
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	4	0.85
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	4	0.85
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	4	0.85
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	4	0.85
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	4	0.85
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	10	0.85
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	10	0.85
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	10	0.85
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	10	0.85
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	10	0.85
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	10	0.85
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	10	0.85
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	10	0.85
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	10	0.85
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	10	0.85
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	10	0.85
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	10	0.85
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	10	0.85
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	10	0.85
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	10	0.85
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	10	0.85
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	7	0.84
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	7	0.84
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	7	0.84
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	7	0.84
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	7	0.84
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	7	0.84
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	7	0.84
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	7	0.84
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	7	0.84
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	7	0.84
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	7	0.84
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	7	0.84
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	7	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	7	0.84
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	7	0.84
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	7	0.84
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	6	0.83
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	6	0.83
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	6	0.83
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	6	0.83
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	6	0.83
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	6	0.83
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	6	0.83
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	6	0.83
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	6	0.83
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	6	0.83
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	6	0.83
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	6	0.83
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	6	0.83
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	6	0.83
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	6	0.83
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	6	0.83
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	10	0.82
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	10	0.82
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	10	0.82
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	10	0.82
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	10	0.82
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	10	0.82
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	10	0.82
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	10	0.82
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	10	0.82
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	10	0.82
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	10	0.82
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	10	0.82
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	10	0.82
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	10	0.82
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	10	0.82
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	10	0.82
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	4	0.8
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	4	0.8
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	4	0.8
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	4	0.8
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	4	0.8
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	4	0.8
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	4	0.8
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	4	0.8
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	4	0.8
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	4	0.8
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	4	0.8
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	4	0.8
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	4	0.8
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	4	0.8
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	4	0.8
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	3	0.78
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	3	0.78
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	3	0.78
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	3	0.78
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	3	0.78
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	3	0.78
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	3	0.78
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	3	0.78
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	3	0.78
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	3	0.78
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	3	0.78
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	3	0.78
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	3	0.78
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	3	0.78
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	3	0.78
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	3	0.78
(2,25)	1:A:118:PRO:CA	1:A:104:SER:CA	9	0.77
(2,25)	1:A:118:PRO:CA	1:B:104:SER:CA	9	0.77
(2,25)	1:A:118:PRO:CA	1:C:104:SER:CA	9	0.77
(2,25)	1:A:118:PRO:CA	1:D:104:SER:CA	9	0.77
(2,25)	1:B:118:PRO:CA	1:A:104:SER:CA	9	0.77
(2,25)	1:B:118:PRO:CA	1:B:104:SER:CA	9	0.77
(2,25)	1:B:118:PRO:CA	1:C:104:SER:CA	9	0.77
(2,25)	1:B:118:PRO:CA	1:D:104:SER:CA	9	0.77
(2,25)	1:C:118:PRO:CA	1:A:104:SER:CA	9	0.77
(2,25)	1:C:118:PRO:CA	1:B:104:SER:CA	9	0.77
(2,25)	1:C:118:PRO:CA	1:C:104:SER:CA	9	0.77
(2,25)	1:C:118:PRO:CA	1:D:104:SER:CA	9	0.77
(2,25)	1:D:118:PRO:CA	1:A:104:SER:CA	9	0.77
(2,25)	1:D:118:PRO:CA	1:B:104:SER:CA	9	0.77
(2,25)	1:D:118:PRO:CA	1:C:104:SER:CA	9	0.77
(2,25)	1:D:118:PRO:CA	1:D:104:SER:CA	9	0.77
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	3	0.75
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	3	0.75
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	3	0.75
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	3	0.75
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	3	0.75
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	3	0.75
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	3	0.75
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	3	0.75
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	3	0.75
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	3	0.75
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	3	0.75
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	3	0.75
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	3	0.75
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	3	0.75
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	3	0.75
(2,1)	1:A:3:VAL:CG1	1:A:222:PHE:CA	1	0.75
(2,1)	1:A:3:VAL:CG1	1:B:222:PHE:CA	1	0.75
(2,1)	1:A:3:VAL:CG1	1:C:222:PHE:CA	1	0.75
(2,1)	1:A:3:VAL:CG1	1:D:222:PHE:CA	1	0.75
(2,1)	1:B:3:VAL:CG1	1:A:222:PHE:CA	1	0.75
(2,1)	1:B:3:VAL:CG1	1:B:222:PHE:CA	1	0.75
(2,1)	1:B:3:VAL:CG1	1:C:222:PHE:CA	1	0.75
(2,1)	1:B:3:VAL:CG1	1:D:222:PHE:CA	1	0.75
(2,1)	1:C:3:VAL:CG1	1:A:222:PHE:CA	1	0.75
(2,1)	1:C:3:VAL:CG1	1:B:222:PHE:CA	1	0.75
(2,1)	1:C:3:VAL:CG1	1:C:222:PHE:CA	1	0.75
(2,1)	1:C:3:VAL:CG1	1:D:222:PHE:CA	1	0.75
(2,1)	1:D:3:VAL:CG1	1:A:222:PHE:CA	1	0.75
(2,1)	1:D:3:VAL:CG1	1:B:222:PHE:CA	1	0.75
(2,1)	1:D:3:VAL:CG1	1:C:222:PHE:CA	1	0.75
(2,1)	1:D:3:VAL:CG1	1:D:222:PHE:CA	1	0.75
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	7	0.72
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	7	0.72
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	7	0.72
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	7	0.72
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	7	0.72
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	7	0.72
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	7	0.72
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	7	0.72
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	7	0.72
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	7	0.72
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	7	0.72
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	7	0.72
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	7	0.72
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	7	0.72
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	7	0.72
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	8	0.72
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	8	0.72
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	8	0.72
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	8	0.72
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	8	0.72
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	8	0.72
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	8	0.72
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	8	0.72
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	8	0.72
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	8	0.72
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	8	0.72
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	8	0.72
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	8	0.72
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	8	0.72
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	8	0.72
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	8	0.72
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	9	0.71
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	9	0.71
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	9	0.71
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	9	0.71
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	9	0.71
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	9	0.71
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	9	0.71
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	9	0.71
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	9	0.71
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	9	0.71
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	9	0.71
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	9	0.71
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	9	0.71
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	9	0.71
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	9	0.71
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	9	0.71
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	2	0.7
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	2	0.7
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	2	0.7
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	2	0.7
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	2	0.7
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	2	0.7
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	2	0.7
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	2	0.7
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	2	0.7
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	2	0.7
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	2	0.7
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	2	0.7
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	2	0.7
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	2	0.7
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	2	0.7
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	10	0.7
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	10	0.7
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	10	0.7
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	10	0.7
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	10	0.7
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	10	0.7
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	10	0.7
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	10	0.7
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	10	0.7
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	10	0.7
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	10	0.7
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	10	0.7
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	10	0.7
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	10	0.7
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	10	0.7
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	10	0.7
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	1	0.69
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	1	0.69
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	1	0.69
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	1	0.69
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	1	0.69
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	1	0.69
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	1	0.69
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	1	0.69
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	1	0.69
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	1	0.69
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	1	0.69
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	1	0.69
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	1	0.69
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	1	0.69
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	1	0.69
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	3	0.67
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	3	0.67
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	3	0.67
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	3	0.67
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	3	0.67
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	3	0.67
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	3	0.67
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	3	0.67
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	3	0.67
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	3	0.67
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	3	0.67
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	3	0.67
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	3	0.67
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	3	0.67
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	3	0.67
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	3	0.67
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	6	0.67
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	6	0.67
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	6	0.67
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	6	0.67
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	6	0.67
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	6	0.67
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	6	0.67
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	6	0.67
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	6	0.67
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	6	0.67
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	6	0.67
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	6	0.67
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	6	0.67
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	6	0.67
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	6	0.67
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	6	0.67
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	10	0.67
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	10	0.67
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	10	0.67
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	10	0.67
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	10	0.67
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	10	0.67
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	10	0.67
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	10	0.67
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	10	0.67
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	10	0.67
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	10	0.67
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	10	0.67
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	10	0.67
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	10	0.67
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	10	0.67
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	8	0.63
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	8	0.63
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	8	0.63
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	8	0.63
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	8	0.63
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	8	0.63
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	8	0.63
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	8	0.63
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	8	0.63
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	8	0.63
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	8	0.63
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	8	0.63
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	8	0.63
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	8	0.63
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	8	0.63
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	8	0.63
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	5	0.62
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	5	0.62
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	5	0.62
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	5	0.62
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	5	0.62
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	5	0.62
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	5	0.62
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	5	0.62
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	5	0.62
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	5	0.62
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	5	0.62
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	5	0.62
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	5	0.62
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	5	0.62
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	5	0.62
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	5	0.62
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	1	0.62
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	6	0.61
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	6	0.61
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	6	0.61
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	6	0.61
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	6	0.61
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	6	0.61
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	6	0.61
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	6	0.61
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	6	0.61
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	6	0.61
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	6	0.61
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	6	0.61
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	6	0.61
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	6	0.61
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	6	0.61
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	3	0.6
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	3	0.6
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	3	0.6
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	3	0.6
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	3	0.6
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	3	0.6
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	3	0.6
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	3	0.6
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	3	0.6
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	3	0.6
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	3	0.6
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	3	0.6
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	3	0.6
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	3	0.6
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	3	0.6
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	3	0.6
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	3	0.6
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	3	0.6
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	3	0.6
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	3	0.6
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	3	0.6
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	3	0.6
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	3	0.6
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	3	0.6
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	3	0.6
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	3	0.6
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	3	0.6
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	3	0.6
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	3	0.6
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	3	0.6
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	3	0.6
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	7	0.6
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	5	0.59
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	5	0.59
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	5	0.59
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	5	0.59
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	5	0.59
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	5	0.59
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	5	0.59
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	5	0.59
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	5	0.59
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	5	0.59
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	5	0.59
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	5	0.59
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	5	0.59
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	5	0.59
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	5	0.59
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	5	0.59
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	1	0.59
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	1	0.59
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	1	0.59
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	1	0.59
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	1	0.59
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	1	0.59
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	1	0.59
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	1	0.59
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	1	0.59
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	1	0.59
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	1	0.59
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	1	0.59
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	1	0.59
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	1	0.59
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	1	0.59
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	1	0.59
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	5	0.59
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	5	0.59
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	5	0.59
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	5	0.59
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	5	0.59
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	5	0.59
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	5	0.59
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	5	0.59
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	5	0.59
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	5	0.59
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	5	0.59
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	5	0.59
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	5	0.59
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	5	0.59
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	5	0.59
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	5	0.59
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	8	0.59
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	9	0.58
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	9	0.58
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	9	0.58
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	9	0.58
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	9	0.58
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	9	0.58
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	9	0.58
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	9	0.58
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	9	0.58
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	9	0.58
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	9	0.58
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	9	0.58
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	9	0.58
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	9	0.58
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	9	0.58
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	9	0.58
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	2	0.58
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	9	0.58
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	7	0.57
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	7	0.57
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	7	0.57
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	7	0.57
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	7	0.57
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	7	0.57
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	7	0.57
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	7	0.57
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	7	0.57
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	7	0.57
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	7	0.57
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	7	0.57
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	7	0.57
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	7	0.57
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	7	0.57
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	9	0.57
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	9	0.57
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	9	0.57
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	9	0.57
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	9	0.57
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	9	0.57
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	9	0.57
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	9	0.57
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	9	0.57
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	9	0.57
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	9	0.57
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	9	0.57
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	9	0.57
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	9	0.57
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	9	0.57
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	9	0.57
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	10	0.57
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	8	0.56
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	8	0.56
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	8	0.56
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	8	0.56
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	8	0.56
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	8	0.56
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	8	0.56
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	8	0.56
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	8	0.56
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	8	0.56
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	8	0.56
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	8	0.56
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	8	0.56
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	8	0.56
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	8	0.56
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	8	0.56
(2,53)	1:A:288:LEU:CA	1:A:286:VAL:CB	4	0.55
(2,53)	1:A:288:LEU:CA	1:B:286:VAL:CB	4	0.55
(2,53)	1:A:288:LEU:CA	1:C:286:VAL:CB	4	0.55
(2,53)	1:A:288:LEU:CA	1:D:286:VAL:CB	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:B:288:LEU:CA	1:A:286:VAL:CB	4	0.55
(2,53)	1:B:288:LEU:CA	1:B:286:VAL:CB	4	0.55
(2,53)	1:B:288:LEU:CA	1:C:286:VAL:CB	4	0.55
(2,53)	1:B:288:LEU:CA	1:D:286:VAL:CB	4	0.55
(2,53)	1:C:288:LEU:CA	1:A:286:VAL:CB	4	0.55
(2,53)	1:C:288:LEU:CA	1:B:286:VAL:CB	4	0.55
(2,53)	1:C:288:LEU:CA	1:C:286:VAL:CB	4	0.55
(2,53)	1:C:288:LEU:CA	1:D:286:VAL:CB	4	0.55
(2,53)	1:D:288:LEU:CA	1:A:286:VAL:CB	4	0.55
(2,53)	1:D:288:LEU:CA	1:B:286:VAL:CB	4	0.55
(2,53)	1:D:288:LEU:CA	1:C:286:VAL:CB	4	0.55
(2,53)	1:D:288:LEU:CA	1:D:286:VAL:CB	4	0.55
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	7	0.55
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	7	0.55
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	7	0.55
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	7	0.55
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	7	0.55
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	7	0.55
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	7	0.55
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	7	0.55
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	7	0.55
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	7	0.55
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	7	0.55
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	7	0.55
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	7	0.55
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	7	0.55
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	7	0.55
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	7	0.55
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	4	0.55
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	4	0.54
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	4	0.54
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	4	0.54
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	4	0.54
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	4	0.54
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	4	0.54
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	4	0.54
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	4	0.54
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	4	0.54
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	4	0.54
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	4	0.54
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	4	0.54
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	4	0.54
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	4	0.54
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	4	0.54
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	6	0.54
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	4	0.53
(1,2)	1:A:222:PHE:CA	1:D:29:ARG:CD	3	0.53
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	10	0.52
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	10	0.52
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	10	0.52
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	10	0.52
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	10	0.52
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	10	0.52
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	10	0.52
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	10	0.52
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	10	0.52
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	10	0.52
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	10	0.52
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	10	0.52
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	10	0.52
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	10	0.52
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	10	0.52
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	10	0.52
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	1	0.52
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	1	0.52
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	1	0.52
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	1	0.52
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	1	0.52
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	1	0.52
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	1	0.52
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	1	0.52
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	1	0.52
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	1	0.52
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	1	0.52
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	1	0.52
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	1	0.52
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	1	0.52
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	1	0.52
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	1	0.52
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	5	0.52
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	10	0.52
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	8	0.5
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	10	0.49
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	10	0.49
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	10	0.49
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	10	0.49
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	10	0.49
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	10	0.49
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	10	0.49
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	10	0.49
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	10	0.49
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	10	0.49
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	10	0.49
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	10	0.49
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	10	0.49
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	10	0.49
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	10	0.49
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	6	0.47
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	6	0.47
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	6	0.47
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	6	0.47
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	6	0.47
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	6	0.47
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	6	0.47
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	6	0.47
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	6	0.47
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	6	0.47
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	6	0.47
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	6	0.47
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	6	0.47
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	6	0.47
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	6	0.47
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	6	0.47
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	1	0.47
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	9	0.47
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	7	0.45
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	8	0.44
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	8	0.44
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	8	0.44
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	8	0.44
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	8	0.44
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	8	0.44
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	8	0.44
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	8	0.44
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	8	0.44
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	8	0.44
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	8	0.44
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	8	0.44
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	8	0.44
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	8	0.44
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	8	0.44
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	7	0.43
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	7	0.43
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	7	0.43
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	7	0.43
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	7	0.43
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	7	0.43
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	7	0.43
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	7	0.43
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	7	0.43
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	7	0.43
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	7	0.43
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	7	0.43
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	7	0.43
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	7	0.43
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	7	0.43
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	7	0.43
(2,23)	1:A:105:VAL:CG1	1:A:116:MET:CE	4	0.43
(2,23)	1:A:105:VAL:CG1	1:B:116:MET:CE	4	0.43
(2,23)	1:A:105:VAL:CG1	1:C:116:MET:CE	4	0.43
(2,23)	1:A:105:VAL:CG1	1:D:116:MET:CE	4	0.43
(2,23)	1:B:105:VAL:CG1	1:A:116:MET:CE	4	0.43
(2,23)	1:B:105:VAL:CG1	1:B:116:MET:CE	4	0.43
(2,23)	1:B:105:VAL:CG1	1:C:116:MET:CE	4	0.43
(2,23)	1:B:105:VAL:CG1	1:D:116:MET:CE	4	0.43
(2,23)	1:C:105:VAL:CG1	1:A:116:MET:CE	4	0.43
(2,23)	1:C:105:VAL:CG1	1:B:116:MET:CE	4	0.43
(2,23)	1:C:105:VAL:CG1	1:C:116:MET:CE	4	0.43
(2,23)	1:C:105:VAL:CG1	1:D:116:MET:CE	4	0.43
(2,23)	1:D:105:VAL:CG1	1:A:116:MET:CE	4	0.43
(2,23)	1:D:105:VAL:CG1	1:B:116:MET:CE	4	0.43
(2,23)	1:D:105:VAL:CG1	1:C:116:MET:CE	4	0.43
(2,23)	1:D:105:VAL:CG1	1:D:116:MET:CE	4	0.43
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	7	0.43
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	7	0.43
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	7	0.43
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	7	0.43
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	7	0.43
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	7	0.43
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	7	0.43
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	7	0.43
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	7	0.43
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	7	0.43
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	7	0.43
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	7	0.43
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	7	0.43
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	7	0.43
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	7	0.43
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	10	0.43
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	10	0.43
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	10	0.43
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	10	0.43
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	10	0.43
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	10	0.43
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	10	0.43
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	10	0.43
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	10	0.43
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	10	0.43
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	10	0.43
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	10	0.43
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	10	0.43
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	10	0.43
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	10	0.43
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	10	0.43
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	6	0.42
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	6	0.42
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	6	0.42
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	6	0.42
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	6	0.42
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	6	0.42
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	6	0.42
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	6	0.42
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	6	0.42
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	6	0.42
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	6	0.42
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	6	0.42
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	6	0.42
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	6	0.42
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	6	0.42
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	3	0.42
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	2	0.41
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	2	0.41
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	2	0.41
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	2	0.41
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	2	0.41
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	2	0.41
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	2	0.41
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	2	0.41
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	2	0.41
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	2	0.41
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	2	0.41
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	2	0.41
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	2	0.41
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	2	0.41
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	2	0.41
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	2	0.41
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	2	0.41
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	2	0.39
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	2	0.39
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	2	0.39
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	2	0.39
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	2	0.39
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	2	0.39
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	2	0.39
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	2	0.39
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	2	0.39
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	2	0.39
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	2	0.39
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	2	0.39
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	2	0.39
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	2	0.39
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	2	0.39
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	2	0.39
(2,15)	1:A:51:LEU:CA	1:A:47:VAL:CA	2	0.37
(2,15)	1:A:51:LEU:CA	1:B:47:VAL:CA	2	0.37
(2,15)	1:A:51:LEU:CA	1:C:47:VAL:CA	2	0.37
(2,15)	1:A:51:LEU:CA	1:D:47:VAL:CA	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:B:51:LEU:CA	1:A:47:VAL:CA	2	0.37
(2,15)	1:B:51:LEU:CA	1:B:47:VAL:CA	2	0.37
(2,15)	1:B:51:LEU:CA	1:C:47:VAL:CA	2	0.37
(2,15)	1:B:51:LEU:CA	1:D:47:VAL:CA	2	0.37
(2,15)	1:C:51:LEU:CA	1:A:47:VAL:CA	2	0.37
(2,15)	1:C:51:LEU:CA	1:B:47:VAL:CA	2	0.37
(2,15)	1:C:51:LEU:CA	1:C:47:VAL:CA	2	0.37
(2,15)	1:C:51:LEU:CA	1:D:47:VAL:CA	2	0.37
(2,15)	1:D:51:LEU:CA	1:A:47:VAL:CA	2	0.37
(2,15)	1:D:51:LEU:CA	1:B:47:VAL:CA	2	0.37
(2,15)	1:D:51:LEU:CA	1:C:47:VAL:CA	2	0.37
(2,15)	1:D:51:LEU:CA	1:D:47:VAL:CA	2	0.37
(1,3)	1:A:222:PHE:CA	1:D:209:ILE:CB	6	0.37
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	1	0.35
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	1	0.35
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	1	0.35
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	1	0.35
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	1	0.35
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	1	0.35
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	1	0.35
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	1	0.35
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	1	0.35
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	1	0.35
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	1	0.35
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	1	0.35
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	1	0.35
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	1	0.35
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	1	0.35
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	1	0.35
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	5	0.34
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	5	0.34
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	5	0.34
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	5	0.34
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	5	0.34
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	5	0.34
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	5	0.34
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	5	0.34
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	5	0.34
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	5	0.34
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	5	0.34
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	5	0.34
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	5	0.34
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	5	0.34
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	5	0.34
(2,20)	1:A:58:VAL:CB	1:A:54:TRP:CB	4	0.34
(2,20)	1:A:58:VAL:CB	1:B:54:TRP:CB	4	0.34
(2,20)	1:A:58:VAL:CB	1:C:54:TRP:CB	4	0.34
(2,20)	1:A:58:VAL:CB	1:D:54:TRP:CB	4	0.34
(2,20)	1:B:58:VAL:CB	1:A:54:TRP:CB	4	0.34
(2,20)	1:B:58:VAL:CB	1:B:54:TRP:CB	4	0.34
(2,20)	1:B:58:VAL:CB	1:C:54:TRP:CB	4	0.34
(2,20)	1:B:58:VAL:CB	1:D:54:TRP:CB	4	0.34
(2,20)	1:C:58:VAL:CB	1:A:54:TRP:CB	4	0.34
(2,20)	1:C:58:VAL:CB	1:B:54:TRP:CB	4	0.34
(2,20)	1:C:58:VAL:CB	1:C:54:TRP:CB	4	0.34
(2,20)	1:C:58:VAL:CB	1:D:54:TRP:CB	4	0.34
(2,20)	1:D:58:VAL:CB	1:A:54:TRP:CB	4	0.34
(2,20)	1:D:58:VAL:CB	1:B:54:TRP:CB	4	0.34
(2,20)	1:D:58:VAL:CB	1:C:54:TRP:CB	4	0.34
(2,20)	1:D:58:VAL:CB	1:D:54:TRP:CB	4	0.34
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	4	0.31
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	4	0.31
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	4	0.31
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	4	0.31
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	4	0.31
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	4	0.31
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	4	0.31
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	4	0.31
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	4	0.31
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	4	0.31
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	4	0.31
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	4	0.31
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	4	0.31
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	4	0.31
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	4	0.31
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	4	0.31
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	8	0.3
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	8	0.3
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	8	0.3
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	8	0.3
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	8	0.3
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	8	0.3
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	8	0.3
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	8	0.3
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	8	0.3
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	8	0.3
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	8	0.3
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	8	0.3
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	8	0.3
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	8	0.3
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	8	0.3
(2,38)	1:A:215:VAL:CG1	1:A:174:MET:CE	10	0.3
(2,38)	1:A:215:VAL:CG1	1:B:174:MET:CE	10	0.3
(2,38)	1:A:215:VAL:CG1	1:C:174:MET:CE	10	0.3
(2,38)	1:A:215:VAL:CG1	1:D:174:MET:CE	10	0.3
(2,38)	1:B:215:VAL:CG1	1:A:174:MET:CE	10	0.3
(2,38)	1:B:215:VAL:CG1	1:B:174:MET:CE	10	0.3
(2,38)	1:B:215:VAL:CG1	1:C:174:MET:CE	10	0.3
(2,38)	1:B:215:VAL:CG1	1:D:174:MET:CE	10	0.3
(2,38)	1:C:215:VAL:CG1	1:A:174:MET:CE	10	0.3
(2,38)	1:C:215:VAL:CG1	1:B:174:MET:CE	10	0.3
(2,38)	1:C:215:VAL:CG1	1:C:174:MET:CE	10	0.3
(2,38)	1:C:215:VAL:CG1	1:D:174:MET:CE	10	0.3
(2,38)	1:D:215:VAL:CG1	1:A:174:MET:CE	10	0.3
(2,38)	1:D:215:VAL:CG1	1:B:174:MET:CE	10	0.3
(2,38)	1:D:215:VAL:CG1	1:C:174:MET:CE	10	0.3
(2,38)	1:D:215:VAL:CG1	1:D:174:MET:CE	10	0.3
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	9	0.29
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	9	0.29
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	9	0.29
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	9	0.29
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	9	0.29
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	9	0.29
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	9	0.29
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	9	0.29
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	9	0.29
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	9	0.29
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	9	0.29
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	9	0.29
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	9	0.29
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	9	0.29
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	9	0.29
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	9	0.29
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	6	0.29
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	6	0.29
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	6	0.29
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	6	0.29
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	6	0.29
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	6	0.29
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	6	0.29
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	6	0.29
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	6	0.29
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	6	0.29
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	6	0.29
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	6	0.29
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	6	0.29
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	6	0.29
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	6	0.29
(2,42)	1:A:230:HIS:CB	1:A:237:PRO:CG	5	0.27
(2,42)	1:A:230:HIS:CB	1:B:237:PRO:CG	5	0.27
(2,42)	1:A:230:HIS:CB	1:C:237:PRO:CG	5	0.27
(2,42)	1:A:230:HIS:CB	1:D:237:PRO:CG	5	0.27
(2,42)	1:B:230:HIS:CB	1:A:237:PRO:CG	5	0.27
(2,42)	1:B:230:HIS:CB	1:B:237:PRO:CG	5	0.27
(2,42)	1:B:230:HIS:CB	1:C:237:PRO:CG	5	0.27
(2,42)	1:B:230:HIS:CB	1:D:237:PRO:CG	5	0.27
(2,42)	1:C:230:HIS:CB	1:A:237:PRO:CG	5	0.27
(2,42)	1:C:230:HIS:CB	1:B:237:PRO:CG	5	0.27
(2,42)	1:C:230:HIS:CB	1:C:237:PRO:CG	5	0.27
(2,42)	1:C:230:HIS:CB	1:D:237:PRO:CG	5	0.27
(2,42)	1:D:230:HIS:CB	1:A:237:PRO:CG	5	0.27
(2,42)	1:D:230:HIS:CB	1:B:237:PRO:CG	5	0.27
(2,42)	1:D:230:HIS:CB	1:C:237:PRO:CG	5	0.27
(2,42)	1:D:230:HIS:CB	1:D:237:PRO:CG	5	0.27
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	2	0.27
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	2	0.27
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	2	0.27
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	2	0.27
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	2	0.27
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	2	0.27
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	2	0.27
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	2	0.27
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	2	0.27
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	2	0.27
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	2	0.27
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	2	0.27
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	2	0.27
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	2	0.27
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	2	0.27
(2,50)	1:A:271:ARG:CA	1:A:254:LEU:CG	4	0.26
(2,50)	1:A:271:ARG:CA	1:B:254:LEU:CG	4	0.26
(2,50)	1:A:271:ARG:CA	1:C:254:LEU:CG	4	0.26
(2,50)	1:A:271:ARG:CA	1:D:254:LEU:CG	4	0.26
(2,50)	1:B:271:ARG:CA	1:A:254:LEU:CG	4	0.26
(2,50)	1:B:271:ARG:CA	1:B:254:LEU:CG	4	0.26
(2,50)	1:B:271:ARG:CA	1:C:254:LEU:CG	4	0.26
(2,50)	1:B:271:ARG:CA	1:D:254:LEU:CG	4	0.26
(2,50)	1:C:271:ARG:CA	1:A:254:LEU:CG	4	0.26
(2,50)	1:C:271:ARG:CA	1:B:254:LEU:CG	4	0.26
(2,50)	1:C:271:ARG:CA	1:C:254:LEU:CG	4	0.26
(2,50)	1:C:271:ARG:CA	1:D:254:LEU:CG	4	0.26
(2,50)	1:D:271:ARG:CA	1:A:254:LEU:CG	4	0.26
(2,50)	1:D:271:ARG:CA	1:B:254:LEU:CG	4	0.26
(2,50)	1:D:271:ARG:CA	1:C:254:LEU:CG	4	0.26
(2,50)	1:D:271:ARG:CA	1:D:254:LEU:CG	4	0.26
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	9	0.26
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	9	0.26
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	9	0.26
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	9	0.26
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	9	0.26
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	9	0.26
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	9	0.26
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	9	0.26
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	9	0.26
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	9	0.26
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	9	0.26
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	9	0.26
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	9	0.26
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	9	0.26
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	9	0.26
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	9	0.26
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	2	0.25
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	2	0.25
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	2	0.25
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	2	0.25
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	2	0.25
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	2	0.25
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	2	0.25
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	2	0.25
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	2	0.25
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	2	0.25
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	2	0.25
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	2	0.25
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	2	0.25
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	2	0.25
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	2	0.25
(2,42)	1:A:230:HIS:CB	1:A:237:PRO:CG	1	0.24
(2,42)	1:A:230:HIS:CB	1:B:237:PRO:CG	1	0.24
(2,42)	1:A:230:HIS:CB	1:C:237:PRO:CG	1	0.24
(2,42)	1:A:230:HIS:CB	1:D:237:PRO:CG	1	0.24
(2,42)	1:B:230:HIS:CB	1:A:237:PRO:CG	1	0.24
(2,42)	1:B:230:HIS:CB	1:B:237:PRO:CG	1	0.24
(2,42)	1:B:230:HIS:CB	1:C:237:PRO:CG	1	0.24
(2,42)	1:B:230:HIS:CB	1:D:237:PRO:CG	1	0.24
(2,42)	1:C:230:HIS:CB	1:A:237:PRO:CG	1	0.24
(2,42)	1:C:230:HIS:CB	1:B:237:PRO:CG	1	0.24
(2,42)	1:C:230:HIS:CB	1:C:237:PRO:CG	1	0.24
(2,42)	1:C:230:HIS:CB	1:D:237:PRO:CG	1	0.24
(2,42)	1:D:230:HIS:CB	1:A:237:PRO:CG	1	0.24
(2,42)	1:D:230:HIS:CB	1:B:237:PRO:CG	1	0.24
(2,42)	1:D:230:HIS:CB	1:C:237:PRO:CG	1	0.24
(2,42)	1:D:230:HIS:CB	1:D:237:PRO:CG	1	0.24
(2,48)	1:A:267:VAL:CG2	1:A:189:ARG:CG	4	0.23
(2,48)	1:A:267:VAL:CG2	1:B:189:ARG:CG	4	0.23
(2,48)	1:A:267:VAL:CG2	1:C:189:ARG:CG	4	0.23
(2,48)	1:A:267:VAL:CG2	1:D:189:ARG:CG	4	0.23
(2,48)	1:B:267:VAL:CG2	1:A:189:ARG:CG	4	0.23
(2,48)	1:B:267:VAL:CG2	1:B:189:ARG:CG	4	0.23
(2,48)	1:B:267:VAL:CG2	1:C:189:ARG:CG	4	0.23
(2,48)	1:B:267:VAL:CG2	1:D:189:ARG:CG	4	0.23
(2,48)	1:C:267:VAL:CG2	1:A:189:ARG:CG	4	0.23
(2,48)	1:C:267:VAL:CG2	1:B:189:ARG:CG	4	0.23
(2,48)	1:C:267:VAL:CG2	1:C:189:ARG:CG	4	0.23
(2,48)	1:C:267:VAL:CG2	1:D:189:ARG:CG	4	0.23
(2,48)	1:D:267:VAL:CG2	1:A:189:ARG:CG	4	0.23
(2,48)	1:D:267:VAL:CG2	1:B:189:ARG:CG	4	0.23
(2,48)	1:D:267:VAL:CG2	1:C:189:ARG:CG	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:D:267:VAL:CG2	1:D:189:ARG:CG	4	0.23
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	9	0.23
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	9	0.23
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	9	0.23
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	9	0.23
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	9	0.23
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	9	0.23
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	9	0.23
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	9	0.23
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	9	0.23
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	9	0.23
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	9	0.23
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	9	0.23
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	9	0.23
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	9	0.23
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	9	0.23
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	9	0.23
(2,42)	1:A:230:HIS:CB	1:A:237:PRO:CG	2	0.23
(2,42)	1:A:230:HIS:CB	1:B:237:PRO:CG	2	0.23
(2,42)	1:A:230:HIS:CB	1:C:237:PRO:CG	2	0.23
(2,42)	1:A:230:HIS:CB	1:D:237:PRO:CG	2	0.23
(2,42)	1:B:230:HIS:CB	1:A:237:PRO:CG	2	0.23
(2,42)	1:B:230:HIS:CB	1:B:237:PRO:CG	2	0.23
(2,42)	1:B:230:HIS:CB	1:C:237:PRO:CG	2	0.23
(2,42)	1:B:230:HIS:CB	1:D:237:PRO:CG	2	0.23
(2,42)	1:C:230:HIS:CB	1:A:237:PRO:CG	2	0.23
(2,42)	1:C:230:HIS:CB	1:B:237:PRO:CG	2	0.23
(2,42)	1:C:230:HIS:CB	1:C:237:PRO:CG	2	0.23
(2,42)	1:C:230:HIS:CB	1:D:237:PRO:CG	2	0.23
(2,42)	1:D:230:HIS:CB	1:A:237:PRO:CG	2	0.23
(2,42)	1:D:230:HIS:CB	1:B:237:PRO:CG	2	0.23
(2,42)	1:D:230:HIS:CB	1:C:237:PRO:CG	2	0.23
(2,42)	1:D:230:HIS:CB	1:D:237:PRO:CG	2	0.23
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	7	0.23
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	7	0.23
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	7	0.23
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	7	0.23
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	7	0.23
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	7	0.23
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	7	0.23
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	7	0.23
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	7	0.23
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	7	0.23
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	7	0.23
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	7	0.23
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	7	0.23
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	7	0.23
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	7	0.23
(2,23)	1:A:105:VAL:CG1	1:A:116:MET:CE	9	0.23
(2,23)	1:A:105:VAL:CG1	1:B:116:MET:CE	9	0.23
(2,23)	1:A:105:VAL:CG1	1:C:116:MET:CE	9	0.23
(2,23)	1:A:105:VAL:CG1	1:D:116:MET:CE	9	0.23
(2,23)	1:B:105:VAL:CG1	1:A:116:MET:CE	9	0.23
(2,23)	1:B:105:VAL:CG1	1:B:116:MET:CE	9	0.23
(2,23)	1:B:105:VAL:CG1	1:C:116:MET:CE	9	0.23
(2,23)	1:B:105:VAL:CG1	1:D:116:MET:CE	9	0.23
(2,23)	1:C:105:VAL:CG1	1:A:116:MET:CE	9	0.23
(2,23)	1:C:105:VAL:CG1	1:B:116:MET:CE	9	0.23
(2,23)	1:C:105:VAL:CG1	1:C:116:MET:CE	9	0.23
(2,23)	1:C:105:VAL:CG1	1:D:116:MET:CE	9	0.23
(2,23)	1:D:105:VAL:CG1	1:A:116:MET:CE	9	0.23
(2,23)	1:D:105:VAL:CG1	1:B:116:MET:CE	9	0.23
(2,23)	1:D:105:VAL:CG1	1:C:116:MET:CE	9	0.23
(2,23)	1:D:105:VAL:CG1	1:D:116:MET:CE	9	0.23
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	3	0.22
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	3	0.22
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	3	0.22
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	3	0.22
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	3	0.22
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	3	0.22
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	3	0.22
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	3	0.22
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	3	0.22
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	3	0.22
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	3	0.22
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	3	0.22
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	3	0.22
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	3	0.22
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	3	0.22
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	3	0.22
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	5	0.22
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	5	0.22
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	5	0.22
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	5	0.22
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	5	0.22
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	5	0.22
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	5	0.22
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	5	0.22
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	5	0.22
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	5	0.22
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	5	0.22
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	5	0.22
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	5	0.22
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	5	0.22
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	5	0.22
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	1	0.22
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	1	0.22
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	1	0.22
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	1	0.22
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	1	0.22
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	1	0.22
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	1	0.22
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	1	0.22
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	1	0.22
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	1	0.22
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	1	0.22
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	1	0.22
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	1	0.22
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	1	0.22
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	1	0.22
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	1	0.22
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	4	0.22
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	4	0.22
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	4	0.22
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	4	0.22
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	4	0.22
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	4	0.22
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	4	0.22
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	4	0.22
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	4	0.22
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	4	0.22
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	4	0.22
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	4	0.22
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	4	0.22
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	4	0.22
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	4	0.22
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	10	0.22
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	10	0.22
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	10	0.22
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	10	0.22
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	10	0.22
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	10	0.22
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	10	0.22
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	10	0.22
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	10	0.22
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	10	0.22
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	10	0.22
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	10	0.22
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	10	0.22
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	10	0.22
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	10	0.22
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	10	0.22
(2,23)	1:A:105:VAL:CG1	1:A:116:MET:CE	6	0.22
(2,23)	1:A:105:VAL:CG1	1:B:116:MET:CE	6	0.22
(2,23)	1:A:105:VAL:CG1	1:C:116:MET:CE	6	0.22
(2,23)	1:A:105:VAL:CG1	1:D:116:MET:CE	6	0.22
(2,23)	1:B:105:VAL:CG1	1:A:116:MET:CE	6	0.22
(2,23)	1:B:105:VAL:CG1	1:B:116:MET:CE	6	0.22
(2,23)	1:B:105:VAL:CG1	1:C:116:MET:CE	6	0.22
(2,23)	1:B:105:VAL:CG1	1:D:116:MET:CE	6	0.22
(2,23)	1:C:105:VAL:CG1	1:A:116:MET:CE	6	0.22
(2,23)	1:C:105:VAL:CG1	1:B:116:MET:CE	6	0.22
(2,23)	1:C:105:VAL:CG1	1:C:116:MET:CE	6	0.22
(2,23)	1:C:105:VAL:CG1	1:D:116:MET:CE	6	0.22
(2,23)	1:D:105:VAL:CG1	1:A:116:MET:CE	6	0.22
(2,23)	1:D:105:VAL:CG1	1:B:116:MET:CE	6	0.22
(2,23)	1:D:105:VAL:CG1	1:C:116:MET:CE	6	0.22
(2,23)	1:D:105:VAL:CG1	1:D:116:MET:CE	6	0.22
(2,45)	1:A:248:GLU:CB	1:A:196:ARG:CB	1	0.21
(2,45)	1:A:248:GLU:CB	1:B:196:ARG:CB	1	0.21
(2,45)	1:A:248:GLU:CB	1:C:196:ARG:CB	1	0.21
(2,45)	1:A:248:GLU:CB	1:D:196:ARG:CB	1	0.21
(2,45)	1:B:248:GLU:CB	1:A:196:ARG:CB	1	0.21
(2,45)	1:B:248:GLU:CB	1:B:196:ARG:CB	1	0.21
(2,45)	1:B:248:GLU:CB	1:C:196:ARG:CB	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:B:248:GLU:CB	1:D:196:ARG:CB	1	0.21
(2,45)	1:C:248:GLU:CB	1:A:196:ARG:CB	1	0.21
(2,45)	1:C:248:GLU:CB	1:B:196:ARG:CB	1	0.21
(2,45)	1:C:248:GLU:CB	1:C:196:ARG:CB	1	0.21
(2,45)	1:C:248:GLU:CB	1:D:196:ARG:CB	1	0.21
(2,45)	1:D:248:GLU:CB	1:A:196:ARG:CB	1	0.21
(2,45)	1:D:248:GLU:CB	1:B:196:ARG:CB	1	0.21
(2,45)	1:D:248:GLU:CB	1:C:196:ARG:CB	1	0.21
(2,45)	1:D:248:GLU:CB	1:D:196:ARG:CB	1	0.21
(2,43)	1:A:238:LEU:CD2	1:A:173:LEU:CG	7	0.21
(2,43)	1:A:238:LEU:CD2	1:B:173:LEU:CG	7	0.21
(2,43)	1:A:238:LEU:CD2	1:C:173:LEU:CG	7	0.21
(2,43)	1:A:238:LEU:CD2	1:D:173:LEU:CG	7	0.21
(2,43)	1:B:238:LEU:CD2	1:A:173:LEU:CG	7	0.21
(2,43)	1:B:238:LEU:CD2	1:B:173:LEU:CG	7	0.21
(2,43)	1:B:238:LEU:CD2	1:C:173:LEU:CG	7	0.21
(2,43)	1:B:238:LEU:CD2	1:D:173:LEU:CG	7	0.21
(2,43)	1:C:238:LEU:CD2	1:A:173:LEU:CG	7	0.21
(2,43)	1:C:238:LEU:CD2	1:B:173:LEU:CG	7	0.21
(2,43)	1:C:238:LEU:CD2	1:C:173:LEU:CG	7	0.21
(2,43)	1:C:238:LEU:CD2	1:D:173:LEU:CG	7	0.21
(2,43)	1:D:238:LEU:CD2	1:A:173:LEU:CG	7	0.21
(2,43)	1:D:238:LEU:CD2	1:B:173:LEU:CG	7	0.21
(2,43)	1:D:238:LEU:CD2	1:C:173:LEU:CG	7	0.21
(2,43)	1:D:238:LEU:CD2	1:D:173:LEU:CG	7	0.21
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	7	0.21
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	7	0.21
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	7	0.21
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	7	0.21
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	7	0.21
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	7	0.21
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	7	0.21
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	7	0.21
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	7	0.21
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	7	0.21
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	7	0.21
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	7	0.21
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	7	0.21
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	7	0.21
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	7	0.21
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	7	0.21
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	3	0.21
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	3	0.21
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	3	0.21
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	3	0.21
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	3	0.21
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	3	0.21
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	3	0.21
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	3	0.21
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	3	0.21
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	3	0.21
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	3	0.21
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	3	0.21
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	3	0.21
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	3	0.21
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	3	0.21
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	5	0.2
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	5	0.2
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	5	0.2
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	5	0.2
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	5	0.2
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	5	0.2
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	5	0.2
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	5	0.2
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	5	0.2
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	5	0.2
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	5	0.2
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	5	0.2
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	5	0.2
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	5	0.2
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	5	0.2
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	5	0.2
(2,34)	1:A:191:LYS:CB	1:A:256:MET:CA	4	0.2
(2,34)	1:A:191:LYS:CB	1:B:256:MET:CA	4	0.2
(2,34)	1:A:191:LYS:CB	1:C:256:MET:CA	4	0.2
(2,34)	1:A:191:LYS:CB	1:D:256:MET:CA	4	0.2
(2,34)	1:B:191:LYS:CB	1:A:256:MET:CA	4	0.2
(2,34)	1:B:191:LYS:CB	1:B:256:MET:CA	4	0.2
(2,34)	1:B:191:LYS:CB	1:C:256:MET:CA	4	0.2
(2,34)	1:B:191:LYS:CB	1:D:256:MET:CA	4	0.2
(2,34)	1:C:191:LYS:CB	1:A:256:MET:CA	4	0.2
(2,34)	1:C:191:LYS:CB	1:B:256:MET:CA	4	0.2
(2,34)	1:C:191:LYS:CB	1:C:256:MET:CA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:C:191:LYS:CB	1:D:256:MET:CA	4	0.2
(2,34)	1:D:191:LYS:CB	1:A:256:MET:CA	4	0.2
(2,34)	1:D:191:LYS:CB	1:B:256:MET:CA	4	0.2
(2,34)	1:D:191:LYS:CB	1:C:256:MET:CA	4	0.2
(2,34)	1:D:191:LYS:CB	1:D:256:MET:CA	4	0.2
(2,43)	1:A:238:LEU:CD2	1:A:173:LEU:CG	4	0.19
(2,43)	1:A:238:LEU:CD2	1:B:173:LEU:CG	4	0.19
(2,43)	1:A:238:LEU:CD2	1:C:173:LEU:CG	4	0.19
(2,43)	1:A:238:LEU:CD2	1:D:173:LEU:CG	4	0.19
(2,43)	1:B:238:LEU:CD2	1:A:173:LEU:CG	4	0.19
(2,43)	1:B:238:LEU:CD2	1:B:173:LEU:CG	4	0.19
(2,43)	1:B:238:LEU:CD2	1:C:173:LEU:CG	4	0.19
(2,43)	1:B:238:LEU:CD2	1:D:173:LEU:CG	4	0.19
(2,43)	1:C:238:LEU:CD2	1:A:173:LEU:CG	4	0.19
(2,43)	1:C:238:LEU:CD2	1:B:173:LEU:CG	4	0.19
(2,43)	1:C:238:LEU:CD2	1:C:173:LEU:CG	4	0.19
(2,43)	1:C:238:LEU:CD2	1:D:173:LEU:CG	4	0.19
(2,43)	1:D:238:LEU:CD2	1:A:173:LEU:CG	4	0.19
(2,43)	1:D:238:LEU:CD2	1:B:173:LEU:CG	4	0.19
(2,43)	1:D:238:LEU:CD2	1:C:173:LEU:CG	4	0.19
(2,43)	1:D:238:LEU:CD2	1:D:173:LEU:CG	4	0.19
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	4	0.19
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	4	0.19
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	4	0.19
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	4	0.19
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	4	0.19
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	4	0.19
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	4	0.19
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	4	0.19
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	4	0.19
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	4	0.19
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	4	0.19
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	4	0.19
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	4	0.19
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	4	0.19
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	4	0.19
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	4	0.19
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	10	0.19
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	10	0.19
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	10	0.19
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	10	0.19
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	10	0.19
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	10	0.19
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	10	0.19
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	10	0.19
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	10	0.19
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	10	0.19
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	10	0.19
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	10	0.19
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	10	0.19
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	10	0.19
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	10	0.19
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	1	0.19
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	1	0.19
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	1	0.19
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	1	0.19
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	1	0.19
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	1	0.19
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	1	0.19
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	1	0.19
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	1	0.19
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	1	0.19
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	1	0.19
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	1	0.19
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	1	0.19
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	1	0.19
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	1	0.19
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	1	0.19
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	2	0.19
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	2	0.19
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	2	0.19
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	2	0.19
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	2	0.19
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	2	0.19
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	2	0.19
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	2	0.19
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	2	0.19
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	2	0.19
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	2	0.19
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	2	0.19
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	2	0.19
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	2	0.19
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	2	0.19
(2,23)	1:A:105:VAL:CG1	1:A:116:MET:CE	8	0.19
(2,23)	1:A:105:VAL:CG1	1:B:116:MET:CE	8	0.19
(2,23)	1:A:105:VAL:CG1	1:C:116:MET:CE	8	0.19
(2,23)	1:A:105:VAL:CG1	1:D:116:MET:CE	8	0.19
(2,23)	1:B:105:VAL:CG1	1:A:116:MET:CE	8	0.19
(2,23)	1:B:105:VAL:CG1	1:B:116:MET:CE	8	0.19
(2,23)	1:B:105:VAL:CG1	1:C:116:MET:CE	8	0.19
(2,23)	1:B:105:VAL:CG1	1:D:116:MET:CE	8	0.19
(2,23)	1:C:105:VAL:CG1	1:A:116:MET:CE	8	0.19
(2,23)	1:C:105:VAL:CG1	1:B:116:MET:CE	8	0.19
(2,23)	1:C:105:VAL:CG1	1:C:116:MET:CE	8	0.19
(2,23)	1:C:105:VAL:CG1	1:D:116:MET:CE	8	0.19
(2,23)	1:D:105:VAL:CG1	1:A:116:MET:CE	8	0.19
(2,23)	1:D:105:VAL:CG1	1:B:116:MET:CE	8	0.19
(2,23)	1:D:105:VAL:CG1	1:C:116:MET:CE	8	0.19
(2,23)	1:D:105:VAL:CG1	1:D:116:MET:CE	8	0.19
(2,42)	1:A:230:HIS:CB	1:A:237:PRO:CG	4	0.18
(2,42)	1:A:230:HIS:CB	1:B:237:PRO:CG	4	0.18
(2,42)	1:A:230:HIS:CB	1:C:237:PRO:CG	4	0.18
(2,42)	1:A:230:HIS:CB	1:D:237:PRO:CG	4	0.18
(2,42)	1:B:230:HIS:CB	1:A:237:PRO:CG	4	0.18
(2,42)	1:B:230:HIS:CB	1:B:237:PRO:CG	4	0.18
(2,42)	1:B:230:HIS:CB	1:C:237:PRO:CG	4	0.18
(2,42)	1:B:230:HIS:CB	1:D:237:PRO:CG	4	0.18
(2,42)	1:C:230:HIS:CB	1:A:237:PRO:CG	4	0.18
(2,42)	1:C:230:HIS:CB	1:B:237:PRO:CG	4	0.18
(2,42)	1:C:230:HIS:CB	1:C:237:PRO:CG	4	0.18
(2,42)	1:C:230:HIS:CB	1:D:237:PRO:CG	4	0.18
(2,42)	1:D:230:HIS:CB	1:A:237:PRO:CG	4	0.18
(2,42)	1:D:230:HIS:CB	1:B:237:PRO:CG	4	0.18
(2,42)	1:D:230:HIS:CB	1:C:237:PRO:CG	4	0.18
(2,42)	1:D:230:HIS:CB	1:D:237:PRO:CG	4	0.18
(2,34)	1:A:191:LYS:CB	1:A:256:MET:CA	5	0.18
(2,34)	1:A:191:LYS:CB	1:B:256:MET:CA	5	0.18
(2,34)	1:A:191:LYS:CB	1:C:256:MET:CA	5	0.18
(2,34)	1:A:191:LYS:CB	1:D:256:MET:CA	5	0.18
(2,34)	1:B:191:LYS:CB	1:A:256:MET:CA	5	0.18
(2,34)	1:B:191:LYS:CB	1:B:256:MET:CA	5	0.18
(2,34)	1:B:191:LYS:CB	1:C:256:MET:CA	5	0.18
(2,34)	1:B:191:LYS:CB	1:D:256:MET:CA	5	0.18
(2,34)	1:C:191:LYS:CB	1:A:256:MET:CA	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:C:191:LYS:CB	1:B:256:MET:CA	5	0.18
(2,34)	1:C:191:LYS:CB	1:C:256:MET:CA	5	0.18
(2,34)	1:C:191:LYS:CB	1:D:256:MET:CA	5	0.18
(2,34)	1:D:191:LYS:CB	1:A:256:MET:CA	5	0.18
(2,34)	1:D:191:LYS:CB	1:B:256:MET:CA	5	0.18
(2,34)	1:D:191:LYS:CB	1:C:256:MET:CA	5	0.18
(2,34)	1:D:191:LYS:CB	1:D:256:MET:CA	5	0.18
(2,32)	1:A:151:ARG:CG	1:A:268:MET:CA	8	0.18
(2,32)	1:A:151:ARG:CG	1:B:268:MET:CA	8	0.18
(2,32)	1:A:151:ARG:CG	1:C:268:MET:CA	8	0.18
(2,32)	1:A:151:ARG:CG	1:D:268:MET:CA	8	0.18
(2,32)	1:B:151:ARG:CG	1:A:268:MET:CA	8	0.18
(2,32)	1:B:151:ARG:CG	1:B:268:MET:CA	8	0.18
(2,32)	1:B:151:ARG:CG	1:C:268:MET:CA	8	0.18
(2,32)	1:B:151:ARG:CG	1:D:268:MET:CA	8	0.18
(2,32)	1:C:151:ARG:CG	1:A:268:MET:CA	8	0.18
(2,32)	1:C:151:ARG:CG	1:B:268:MET:CA	8	0.18
(2,32)	1:C:151:ARG:CG	1:C:268:MET:CA	8	0.18
(2,32)	1:C:151:ARG:CG	1:D:268:MET:CA	8	0.18
(2,32)	1:D:151:ARG:CG	1:A:268:MET:CA	8	0.18
(2,32)	1:D:151:ARG:CG	1:B:268:MET:CA	8	0.18
(2,32)	1:D:151:ARG:CG	1:C:268:MET:CA	8	0.18
(2,32)	1:D:151:ARG:CG	1:D:268:MET:CA	8	0.18
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	8	0.18
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	8	0.18
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	8	0.18
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	8	0.18
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	8	0.18
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	8	0.18
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	8	0.18
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	8	0.18
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	8	0.18
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	8	0.18
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	8	0.18
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	8	0.18
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	8	0.18
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	8	0.18
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	8	0.18
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	8	0.18
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	9	0.18
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	9	0.18
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	9	0.18
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	9	0.18
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	9	0.18
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	9	0.18
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	9	0.18
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	9	0.18
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	9	0.18
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	9	0.18
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	9	0.18
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	9	0.18
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	9	0.18
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	9	0.18
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	9	0.18
(2,23)	1:A:105:VAL:CG1	1:A:116:MET:CE	5	0.18
(2,23)	1:A:105:VAL:CG1	1:B:116:MET:CE	5	0.18
(2,23)	1:A:105:VAL:CG1	1:C:116:MET:CE	5	0.18
(2,23)	1:A:105:VAL:CG1	1:D:116:MET:CE	5	0.18
(2,23)	1:B:105:VAL:CG1	1:A:116:MET:CE	5	0.18
(2,23)	1:B:105:VAL:CG1	1:B:116:MET:CE	5	0.18
(2,23)	1:B:105:VAL:CG1	1:C:116:MET:CE	5	0.18
(2,23)	1:B:105:VAL:CG1	1:D:116:MET:CE	5	0.18
(2,23)	1:C:105:VAL:CG1	1:A:116:MET:CE	5	0.18
(2,23)	1:C:105:VAL:CG1	1:B:116:MET:CE	5	0.18
(2,23)	1:C:105:VAL:CG1	1:C:116:MET:CE	5	0.18
(2,23)	1:C:105:VAL:CG1	1:D:116:MET:CE	5	0.18
(2,23)	1:D:105:VAL:CG1	1:A:116:MET:CE	5	0.18
(2,23)	1:D:105:VAL:CG1	1:B:116:MET:CE	5	0.18
(2,23)	1:D:105:VAL:CG1	1:C:116:MET:CE	5	0.18
(2,23)	1:D:105:VAL:CG1	1:D:116:MET:CE	5	0.18
(2,7)	1:A:29:ARG:CG	1:A:38:VAL:CB	7	0.17
(2,7)	1:A:29:ARG:CG	1:B:38:VAL:CB	7	0.17
(2,7)	1:A:29:ARG:CG	1:C:38:VAL:CB	7	0.17
(2,7)	1:A:29:ARG:CG	1:D:38:VAL:CB	7	0.17
(2,7)	1:B:29:ARG:CG	1:A:38:VAL:CB	7	0.17
(2,7)	1:B:29:ARG:CG	1:B:38:VAL:CB	7	0.17
(2,7)	1:B:29:ARG:CG	1:C:38:VAL:CB	7	0.17
(2,7)	1:B:29:ARG:CG	1:D:38:VAL:CB	7	0.17
(2,7)	1:C:29:ARG:CG	1:A:38:VAL:CB	7	0.17
(2,7)	1:C:29:ARG:CG	1:B:38:VAL:CB	7	0.17
(2,7)	1:C:29:ARG:CG	1:C:38:VAL:CB	7	0.17
(2,7)	1:C:29:ARG:CG	1:D:38:VAL:CB	7	0.17
(2,7)	1:D:29:ARG:CG	1:A:38:VAL:CB	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:D:29:ARG:CG	1:B:38:VAL:CB	7	0.17
(2,7)	1:D:29:ARG:CG	1:C:38:VAL:CB	7	0.17
(2,7)	1:D:29:ARG:CG	1:D:38:VAL:CB	7	0.17
(2,38)	1:A:215:VAL:CG1	1:A:174:MET:CE	4	0.17
(2,38)	1:A:215:VAL:CG1	1:B:174:MET:CE	4	0.17
(2,38)	1:A:215:VAL:CG1	1:C:174:MET:CE	4	0.17
(2,38)	1:A:215:VAL:CG1	1:D:174:MET:CE	4	0.17
(2,38)	1:B:215:VAL:CG1	1:A:174:MET:CE	4	0.17
(2,38)	1:B:215:VAL:CG1	1:B:174:MET:CE	4	0.17
(2,38)	1:B:215:VAL:CG1	1:C:174:MET:CE	4	0.17
(2,38)	1:B:215:VAL:CG1	1:D:174:MET:CE	4	0.17
(2,38)	1:C:215:VAL:CG1	1:A:174:MET:CE	4	0.17
(2,38)	1:C:215:VAL:CG1	1:B:174:MET:CE	4	0.17
(2,38)	1:C:215:VAL:CG1	1:C:174:MET:CE	4	0.17
(2,38)	1:C:215:VAL:CG1	1:D:174:MET:CE	4	0.17
(2,38)	1:D:215:VAL:CG1	1:A:174:MET:CE	4	0.17
(2,38)	1:D:215:VAL:CG1	1:B:174:MET:CE	4	0.17
(2,38)	1:D:215:VAL:CG1	1:C:174:MET:CE	4	0.17
(2,38)	1:D:215:VAL:CG1	1:D:174:MET:CE	4	0.17
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	6	0.17
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	6	0.17
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	6	0.17
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	6	0.17
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	6	0.17
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	6	0.17
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	6	0.17
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	6	0.17
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	6	0.17
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	6	0.17
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	6	0.17
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	6	0.17
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	6	0.17
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	6	0.17
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	6	0.17
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	6	0.17
(2,28)	1:A:130:GLU:CB	1:A:131:CYS:CA	5	0.17
(2,28)	1:A:130:GLU:CB	1:B:131:CYS:CA	5	0.17
(2,28)	1:A:130:GLU:CB	1:C:131:CYS:CA	5	0.17
(2,28)	1:A:130:GLU:CB	1:D:131:CYS:CA	5	0.17
(2,28)	1:B:130:GLU:CB	1:A:131:CYS:CA	5	0.17
(2,28)	1:B:130:GLU:CB	1:B:131:CYS:CA	5	0.17
(2,28)	1:B:130:GLU:CB	1:C:131:CYS:CA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:B:130:GLU:CB	1:D:131:CYS:CA	5	0.17
(2,28)	1:C:130:GLU:CB	1:A:131:CYS:CA	5	0.17
(2,28)	1:C:130:GLU:CB	1:B:131:CYS:CA	5	0.17
(2,28)	1:C:130:GLU:CB	1:C:131:CYS:CA	5	0.17
(2,28)	1:C:130:GLU:CB	1:D:131:CYS:CA	5	0.17
(2,28)	1:D:130:GLU:CB	1:A:131:CYS:CA	5	0.17
(2,28)	1:D:130:GLU:CB	1:B:131:CYS:CA	5	0.17
(2,28)	1:D:130:GLU:CB	1:C:131:CYS:CA	5	0.17
(2,28)	1:D:130:GLU:CB	1:D:131:CYS:CA	5	0.17
(2,33)	1:A:156:ILE:CG1	1:A:157:MET:CE	6	0.16
(2,33)	1:A:156:ILE:CG1	1:B:157:MET:CE	6	0.16
(2,33)	1:A:156:ILE:CG1	1:C:157:MET:CE	6	0.16
(2,33)	1:A:156:ILE:CG1	1:D:157:MET:CE	6	0.16
(2,33)	1:B:156:ILE:CG1	1:A:157:MET:CE	6	0.16
(2,33)	1:B:156:ILE:CG1	1:B:157:MET:CE	6	0.16
(2,33)	1:B:156:ILE:CG1	1:C:157:MET:CE	6	0.16
(2,33)	1:B:156:ILE:CG1	1:D:157:MET:CE	6	0.16
(2,33)	1:C:156:ILE:CG1	1:A:157:MET:CE	6	0.16
(2,33)	1:C:156:ILE:CG1	1:B:157:MET:CE	6	0.16
(2,33)	1:C:156:ILE:CG1	1:C:157:MET:CE	6	0.16
(2,33)	1:C:156:ILE:CG1	1:D:157:MET:CE	6	0.16
(2,33)	1:D:156:ILE:CG1	1:A:157:MET:CE	6	0.16
(2,33)	1:D:156:ILE:CG1	1:B:157:MET:CE	6	0.16
(2,33)	1:D:156:ILE:CG1	1:C:157:MET:CE	6	0.16
(2,33)	1:D:156:ILE:CG1	1:D:157:MET:CE	6	0.16
(2,43)	1:A:238:LEU:CD2	1:A:173:LEU:CG	3	0.15
(2,43)	1:A:238:LEU:CD2	1:B:173:LEU:CG	3	0.15
(2,43)	1:A:238:LEU:CD2	1:C:173:LEU:CG	3	0.15
(2,43)	1:A:238:LEU:CD2	1:D:173:LEU:CG	3	0.15
(2,43)	1:B:238:LEU:CD2	1:A:173:LEU:CG	3	0.15
(2,43)	1:B:238:LEU:CD2	1:B:173:LEU:CG	3	0.15
(2,43)	1:B:238:LEU:CD2	1:C:173:LEU:CG	3	0.15
(2,43)	1:B:238:LEU:CD2	1:D:173:LEU:CG	3	0.15
(2,43)	1:C:238:LEU:CD2	1:A:173:LEU:CG	3	0.15
(2,43)	1:C:238:LEU:CD2	1:B:173:LEU:CG	3	0.15
(2,43)	1:C:238:LEU:CD2	1:C:173:LEU:CG	3	0.15
(2,43)	1:C:238:LEU:CD2	1:D:173:LEU:CG	3	0.15
(2,43)	1:D:238:LEU:CD2	1:A:173:LEU:CG	3	0.15
(2,43)	1:D:238:LEU:CD2	1:B:173:LEU:CG	3	0.15
(2,43)	1:D:238:LEU:CD2	1:C:173:LEU:CG	3	0.15
(2,43)	1:D:238:LEU:CD2	1:D:173:LEU:CG	3	0.15
(2,43)	1:A:238:LEU:CD2	1:A:173:LEU:CG	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:A:238:LEU:CD2	1:B:173:LEU:CG	5	0.15
(2,43)	1:A:238:LEU:CD2	1:C:173:LEU:CG	5	0.15
(2,43)	1:A:238:LEU:CD2	1:D:173:LEU:CG	5	0.15
(2,43)	1:B:238:LEU:CD2	1:A:173:LEU:CG	5	0.15
(2,43)	1:B:238:LEU:CD2	1:B:173:LEU:CG	5	0.15
(2,43)	1:B:238:LEU:CD2	1:C:173:LEU:CG	5	0.15
(2,43)	1:B:238:LEU:CD2	1:D:173:LEU:CG	5	0.15
(2,43)	1:C:238:LEU:CD2	1:A:173:LEU:CG	5	0.15
(2,43)	1:C:238:LEU:CD2	1:B:173:LEU:CG	5	0.15
(2,43)	1:C:238:LEU:CD2	1:C:173:LEU:CG	5	0.15
(2,43)	1:C:238:LEU:CD2	1:D:173:LEU:CG	5	0.15
(2,43)	1:D:238:LEU:CD2	1:A:173:LEU:CG	5	0.15
(2,43)	1:D:238:LEU:CD2	1:B:173:LEU:CG	5	0.15
(2,43)	1:D:238:LEU:CD2	1:C:173:LEU:CG	5	0.15
(2,43)	1:D:238:LEU:CD2	1:D:173:LEU:CG	5	0.15
(2,42)	1:A:230:HIS:CB	1:A:237:PRO:CG	6	0.15
(2,42)	1:A:230:HIS:CB	1:B:237:PRO:CG	6	0.15
(2,42)	1:A:230:HIS:CB	1:C:237:PRO:CG	6	0.15
(2,42)	1:A:230:HIS:CB	1:D:237:PRO:CG	6	0.15
(2,42)	1:B:230:HIS:CB	1:A:237:PRO:CG	6	0.15
(2,42)	1:B:230:HIS:CB	1:B:237:PRO:CG	6	0.15
(2,42)	1:B:230:HIS:CB	1:C:237:PRO:CG	6	0.15
(2,42)	1:B:230:HIS:CB	1:D:237:PRO:CG	6	0.15
(2,42)	1:C:230:HIS:CB	1:A:237:PRO:CG	6	0.15
(2,42)	1:C:230:HIS:CB	1:B:237:PRO:CG	6	0.15
(2,42)	1:C:230:HIS:CB	1:C:237:PRO:CG	6	0.15
(2,42)	1:C:230:HIS:CB	1:D:237:PRO:CG	6	0.15
(2,42)	1:D:230:HIS:CB	1:A:237:PRO:CG	6	0.15
(2,42)	1:D:230:HIS:CB	1:B:237:PRO:CG	6	0.15
(2,42)	1:D:230:HIS:CB	1:C:237:PRO:CG	6	0.15
(2,42)	1:D:230:HIS:CB	1:D:237:PRO:CG	6	0.15
(2,37)	1:A:208:LYS:CB	1:A:195:MET:CA	8	0.15
(2,37)	1:A:208:LYS:CB	1:B:195:MET:CA	8	0.15
(2,37)	1:A:208:LYS:CB	1:C:195:MET:CA	8	0.15
(2,37)	1:A:208:LYS:CB	1:D:195:MET:CA	8	0.15
(2,37)	1:B:208:LYS:CB	1:A:195:MET:CA	8	0.15
(2,37)	1:B:208:LYS:CB	1:B:195:MET:CA	8	0.15
(2,37)	1:B:208:LYS:CB	1:C:195:MET:CA	8	0.15
(2,37)	1:B:208:LYS:CB	1:D:195:MET:CA	8	0.15
(2,37)	1:C:208:LYS:CB	1:A:195:MET:CA	8	0.15
(2,37)	1:C:208:LYS:CB	1:B:195:MET:CA	8	0.15
(2,37)	1:C:208:LYS:CB	1:C:195:MET:CA	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:C:208:LYS:CB	1:D:195:MET:CA	8	0.15
(2,37)	1:D:208:LYS:CB	1:A:195:MET:CA	8	0.15
(2,37)	1:D:208:LYS:CB	1:B:195:MET:CA	8	0.15
(2,37)	1:D:208:LYS:CB	1:C:195:MET:CA	8	0.15
(2,37)	1:D:208:LYS:CB	1:D:195:MET:CA	8	0.15
(2,32)	1:A:151:ARG:CG	1:A:268:MET:CA	2	0.15
(2,32)	1:A:151:ARG:CG	1:B:268:MET:CA	2	0.15
(2,32)	1:A:151:ARG:CG	1:C:268:MET:CA	2	0.15
(2,32)	1:A:151:ARG:CG	1:D:268:MET:CA	2	0.15
(2,32)	1:B:151:ARG:CG	1:A:268:MET:CA	2	0.15
(2,32)	1:B:151:ARG:CG	1:B:268:MET:CA	2	0.15
(2,32)	1:B:151:ARG:CG	1:C:268:MET:CA	2	0.15
(2,32)	1:B:151:ARG:CG	1:D:268:MET:CA	2	0.15
(2,32)	1:C:151:ARG:CG	1:A:268:MET:CA	2	0.15
(2,32)	1:C:151:ARG:CG	1:B:268:MET:CA	2	0.15
(2,32)	1:C:151:ARG:CG	1:C:268:MET:CA	2	0.15
(2,32)	1:C:151:ARG:CG	1:D:268:MET:CA	2	0.15
(2,32)	1:D:151:ARG:CG	1:A:268:MET:CA	2	0.15
(2,32)	1:D:151:ARG:CG	1:B:268:MET:CA	2	0.15
(2,32)	1:D:151:ARG:CG	1:C:268:MET:CA	2	0.15
(2,32)	1:D:151:ARG:CG	1:D:268:MET:CA	2	0.15
(2,38)	1:A:215:VAL:CG1	1:A:174:MET:CE	7	0.14
(2,38)	1:A:215:VAL:CG1	1:B:174:MET:CE	7	0.14
(2,38)	1:A:215:VAL:CG1	1:C:174:MET:CE	7	0.14
(2,38)	1:A:215:VAL:CG1	1:D:174:MET:CE	7	0.14
(2,38)	1:B:215:VAL:CG1	1:A:174:MET:CE	7	0.14
(2,38)	1:B:215:VAL:CG1	1:B:174:MET:CE	7	0.14
(2,38)	1:B:215:VAL:CG1	1:C:174:MET:CE	7	0.14
(2,38)	1:B:215:VAL:CG1	1:D:174:MET:CE	7	0.14
(2,38)	1:C:215:VAL:CG1	1:A:174:MET:CE	7	0.14
(2,38)	1:C:215:VAL:CG1	1:B:174:MET:CE	7	0.14
(2,38)	1:C:215:VAL:CG1	1:C:174:MET:CE	7	0.14
(2,38)	1:C:215:VAL:CG1	1:D:174:MET:CE	7	0.14
(2,38)	1:D:215:VAL:CG1	1:A:174:MET:CE	7	0.14
(2,38)	1:D:215:VAL:CG1	1:B:174:MET:CE	7	0.14
(2,38)	1:D:215:VAL:CG1	1:C:174:MET:CE	7	0.14
(2,38)	1:D:215:VAL:CG1	1:D:174:MET:CE	7	0.14
(2,34)	1:A:191:LYS:CB	1:A:256:MET:CA	1	0.14
(2,34)	1:A:191:LYS:CB	1:B:256:MET:CA	1	0.14
(2,34)	1:A:191:LYS:CB	1:C:256:MET:CA	1	0.14
(2,34)	1:A:191:LYS:CB	1:D:256:MET:CA	1	0.14
(2,34)	1:B:191:LYS:CB	1:A:256:MET:CA	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:B:191:LYS:CB	1:B:256:MET:CA	1	0.14
(2,34)	1:B:191:LYS:CB	1:C:256:MET:CA	1	0.14
(2,34)	1:B:191:LYS:CB	1:D:256:MET:CA	1	0.14
(2,34)	1:C:191:LYS:CB	1:A:256:MET:CA	1	0.14
(2,34)	1:C:191:LYS:CB	1:B:256:MET:CA	1	0.14
(2,34)	1:C:191:LYS:CB	1:C:256:MET:CA	1	0.14
(2,34)	1:C:191:LYS:CB	1:D:256:MET:CA	1	0.14
(2,34)	1:D:191:LYS:CB	1:A:256:MET:CA	1	0.14
(2,34)	1:D:191:LYS:CB	1:B:256:MET:CA	1	0.14
(2,34)	1:D:191:LYS:CB	1:C:256:MET:CA	1	0.14
(2,34)	1:D:191:LYS:CB	1:D:256:MET:CA	1	0.14
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	10	0.14
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	10	0.14
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	10	0.14
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	10	0.14
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	10	0.14
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	10	0.14
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	10	0.14
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	10	0.14
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	10	0.14
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	10	0.14
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	10	0.14
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	10	0.14
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	10	0.14
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	10	0.14
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	10	0.14
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	10	0.14
(2,43)	1:A:238:LEU:CD2	1:A:173:LEU:CG	1	0.13
(2,43)	1:A:238:LEU:CD2	1:B:173:LEU:CG	1	0.13
(2,43)	1:A:238:LEU:CD2	1:C:173:LEU:CG	1	0.13
(2,43)	1:A:238:LEU:CD2	1:D:173:LEU:CG	1	0.13
(2,43)	1:B:238:LEU:CD2	1:A:173:LEU:CG	1	0.13
(2,43)	1:B:238:LEU:CD2	1:B:173:LEU:CG	1	0.13
(2,43)	1:B:238:LEU:CD2	1:C:173:LEU:CG	1	0.13
(2,43)	1:B:238:LEU:CD2	1:D:173:LEU:CG	1	0.13
(2,43)	1:C:238:LEU:CD2	1:A:173:LEU:CG	1	0.13
(2,43)	1:C:238:LEU:CD2	1:B:173:LEU:CG	1	0.13
(2,43)	1:C:238:LEU:CD2	1:C:173:LEU:CG	1	0.13
(2,43)	1:C:238:LEU:CD2	1:D:173:LEU:CG	1	0.13
(2,43)	1:D:238:LEU:CD2	1:A:173:LEU:CG	1	0.13
(2,43)	1:D:238:LEU:CD2	1:B:173:LEU:CG	1	0.13
(2,43)	1:D:238:LEU:CD2	1:C:173:LEU:CG	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:D:238:LEU:CD2	1:D:173:LEU:CG	1	0.13
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	4	0.13
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	4	0.13
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	4	0.13
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	4	0.13
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	4	0.13
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	4	0.13
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	4	0.13
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	4	0.13
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	4	0.13
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	4	0.13
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	4	0.13
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	4	0.13
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	4	0.13
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	4	0.13
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	4	0.13
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	4	0.13
(2,34)	1:A:191:LYS:CB	1:A:256:MET:CA	2	0.12
(2,34)	1:A:191:LYS:CB	1:B:256:MET:CA	2	0.12
(2,34)	1:A:191:LYS:CB	1:C:256:MET:CA	2	0.12
(2,34)	1:A:191:LYS:CB	1:D:256:MET:CA	2	0.12
(2,34)	1:B:191:LYS:CB	1:A:256:MET:CA	2	0.12
(2,34)	1:B:191:LYS:CB	1:B:256:MET:CA	2	0.12
(2,34)	1:B:191:LYS:CB	1:C:256:MET:CA	2	0.12
(2,34)	1:B:191:LYS:CB	1:D:256:MET:CA	2	0.12
(2,34)	1:C:191:LYS:CB	1:A:256:MET:CA	2	0.12
(2,34)	1:C:191:LYS:CB	1:B:256:MET:CA	2	0.12
(2,34)	1:C:191:LYS:CB	1:C:256:MET:CA	2	0.12
(2,34)	1:C:191:LYS:CB	1:D:256:MET:CA	2	0.12
(2,34)	1:D:191:LYS:CB	1:A:256:MET:CA	2	0.12
(2,34)	1:D:191:LYS:CB	1:B:256:MET:CA	2	0.12
(2,34)	1:D:191:LYS:CB	1:C:256:MET:CA	2	0.12
(2,34)	1:D:191:LYS:CB	1:D:256:MET:CA	2	0.12
(2,34)	1:A:191:LYS:CB	1:A:256:MET:CA	8	0.11
(2,34)	1:A:191:LYS:CB	1:B:256:MET:CA	8	0.11
(2,34)	1:A:191:LYS:CB	1:C:256:MET:CA	8	0.11
(2,34)	1:A:191:LYS:CB	1:D:256:MET:CA	8	0.11
(2,34)	1:B:191:LYS:CB	1:A:256:MET:CA	8	0.11
(2,34)	1:B:191:LYS:CB	1:B:256:MET:CA	8	0.11
(2,34)	1:B:191:LYS:CB	1:C:256:MET:CA	8	0.11
(2,34)	1:B:191:LYS:CB	1:D:256:MET:CA	8	0.11
(2,34)	1:C:191:LYS:CB	1:A:256:MET:CA	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:C:191:LYS:CB	1:B:256:MET:CA	8	0.11
(2,34)	1:C:191:LYS:CB	1:C:256:MET:CA	8	0.11
(2,34)	1:C:191:LYS:CB	1:D:256:MET:CA	8	0.11
(2,34)	1:D:191:LYS:CB	1:A:256:MET:CA	8	0.11
(2,34)	1:D:191:LYS:CB	1:B:256:MET:CA	8	0.11
(2,34)	1:D:191:LYS:CB	1:C:256:MET:CA	8	0.11
(2,34)	1:D:191:LYS:CB	1:D:256:MET:CA	8	0.11
(2,17)	1:A:58:VAL:CG2	1:A:57:LYS:CG	1	0.11
(2,17)	1:A:58:VAL:CG2	1:B:57:LYS:CG	1	0.11
(2,17)	1:A:58:VAL:CG2	1:C:57:LYS:CG	1	0.11
(2,17)	1:A:58:VAL:CG2	1:D:57:LYS:CG	1	0.11
(2,17)	1:B:58:VAL:CG2	1:A:57:LYS:CG	1	0.11
(2,17)	1:B:58:VAL:CG2	1:B:57:LYS:CG	1	0.11
(2,17)	1:B:58:VAL:CG2	1:C:57:LYS:CG	1	0.11
(2,17)	1:B:58:VAL:CG2	1:D:57:LYS:CG	1	0.11
(2,17)	1:C:58:VAL:CG2	1:A:57:LYS:CG	1	0.11
(2,17)	1:C:58:VAL:CG2	1:B:57:LYS:CG	1	0.11
(2,17)	1:C:58:VAL:CG2	1:C:57:LYS:CG	1	0.11
(2,17)	1:C:58:VAL:CG2	1:D:57:LYS:CG	1	0.11
(2,17)	1:D:58:VAL:CG2	1:A:57:LYS:CG	1	0.11
(2,17)	1:D:58:VAL:CG2	1:B:57:LYS:CG	1	0.11
(2,17)	1:D:58:VAL:CG2	1:C:57:LYS:CG	1	0.11
(2,17)	1:D:58:VAL:CG2	1:D:57:LYS:CG	1	0.11

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

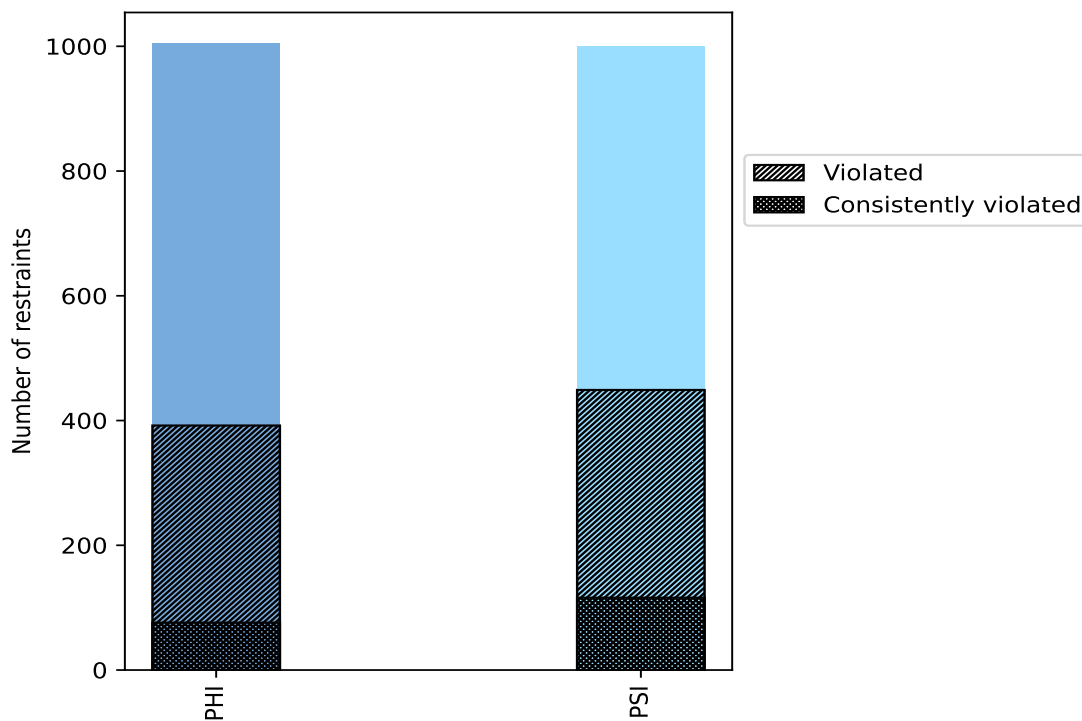
10.1 Summary of dihedral-angle violations [i](#)

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	1004	50.1	392	39.0	19.6	76	7.6	3.8
PSI	1000	49.9	449	44.9	22.4	116	11.6	5.8
Total	2004	100.0	841	42.0	42.0	192	9.6	9.6

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](#)



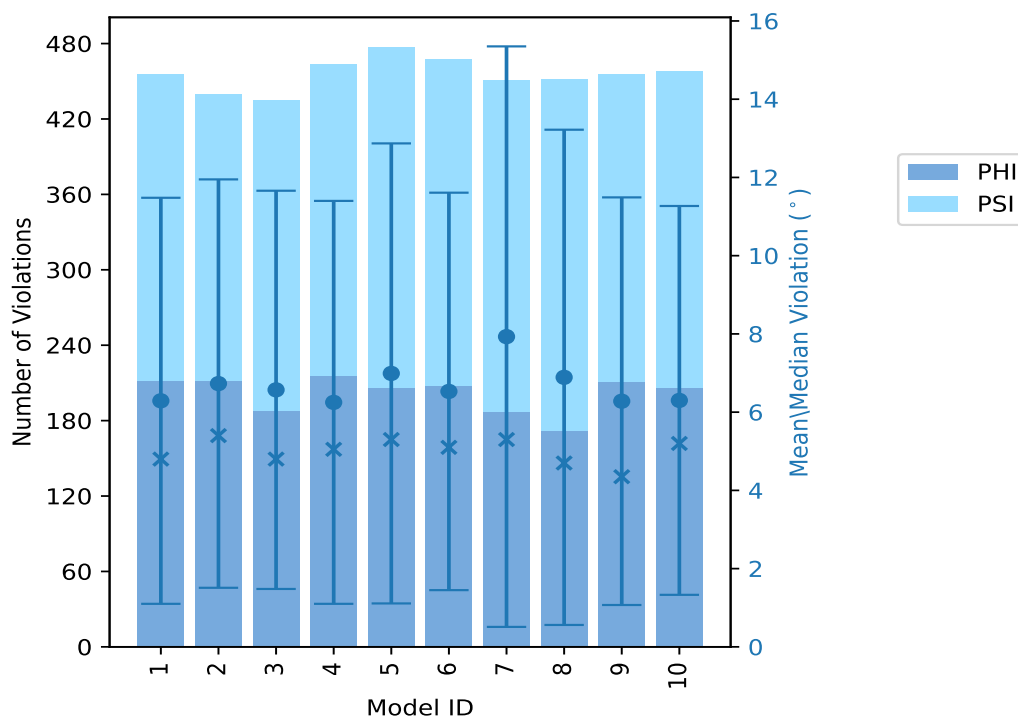
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	212	244	456	6.29	32.3	5.19	4.8
2	212	228	440	6.73	24.2	5.22	5.4
3	188	247	435	6.57	26.4	5.09	4.8
4	216	248	464	6.25	29.8	5.15	5.05
5	206	271	477	6.99	34.9	5.88	5.3
6	208	260	468	6.53	29.3	5.08	5.1
7	187	264	451	7.93	38.6	7.42	5.3
8	172	280	452	6.89	32.1	6.33	4.7
9	211	245	456	6.28	28.0	5.21	4.35
10	206	252	458	6.3	27.4	4.97	5.2

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



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

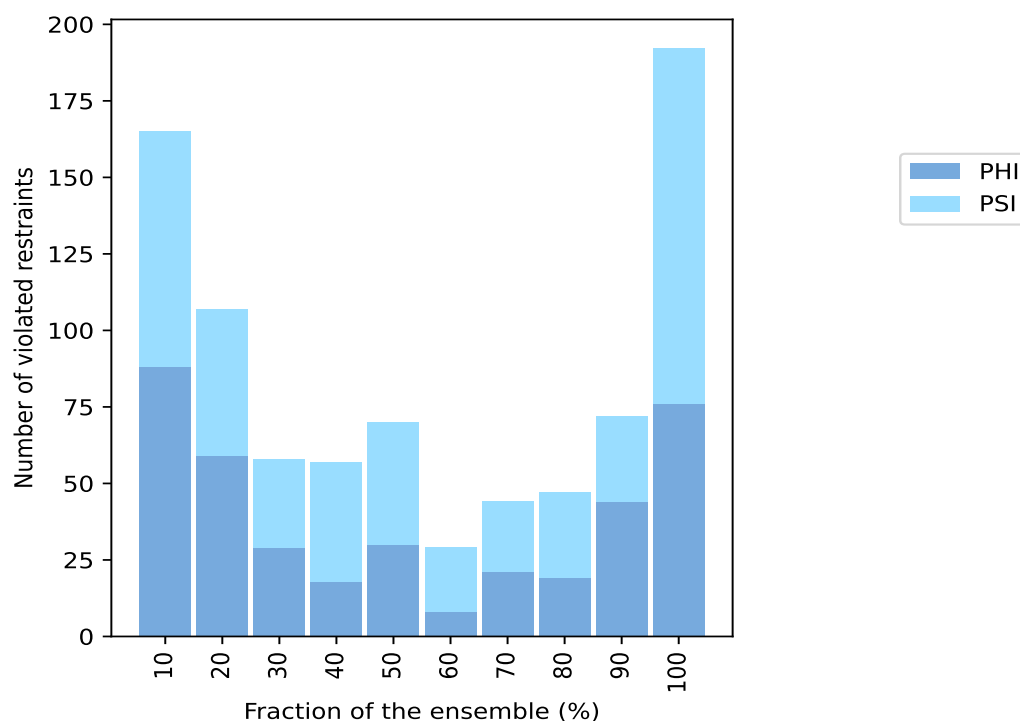
10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
88	77	165	1	10.0
59	48	107	2	20.0
29	29	58	3	30.0
18	39	57	4	40.0
30	40	70	5	50.0
8	21	29	6	60.0
21	23	44	7	70.0
19	28	47	8	80.0
44	28	72	9	90.0
76	116	192	10	100.0

¹ Number of models with violations

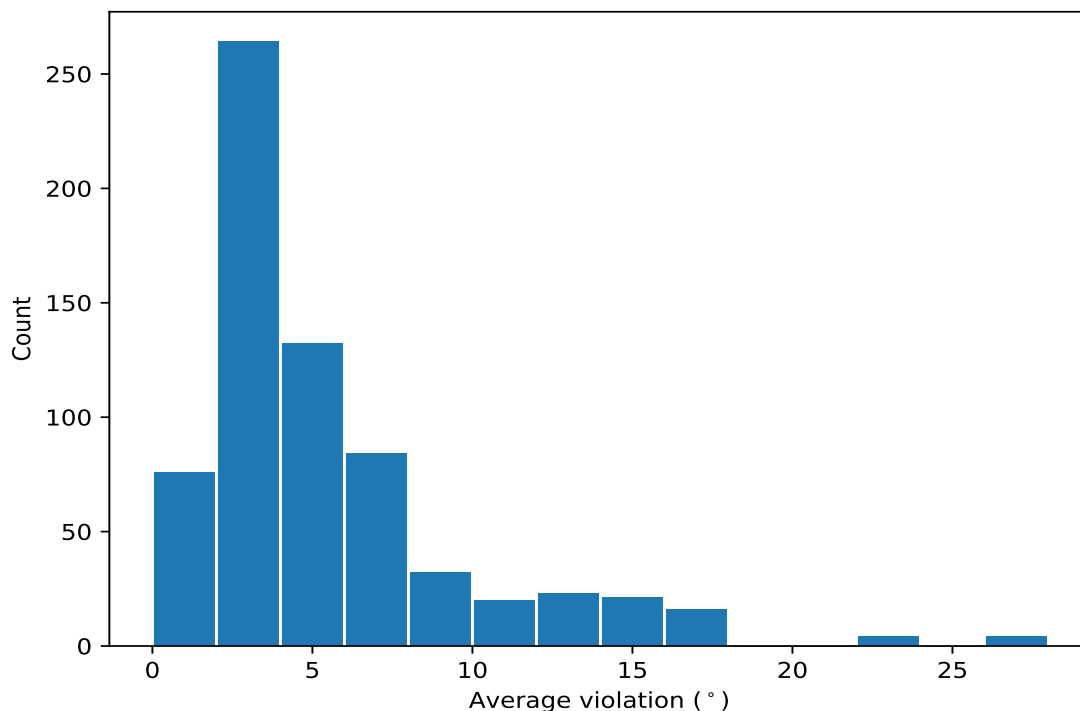
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



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	Media
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	10	27.4	4.23	28.65
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	10	27.39	4.22	28.65
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	10	27.39	4.21	28.65
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	10	27.39	4.21	28.65
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	10	23.54	1.91	23.6
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	10	23.53	1.89	23.55
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	10	23.53	1.91	23.55
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	10	23.52	1.9	23.55
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	10	17.37	3.42	17.15
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	10	17.37	3.43	17.15
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	10	17.36	3.44	17.15
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	10	17.35	3.45	17.15
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	10	16.76	0.74	16.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	10	16.75	0.76	16.95
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	10	16.75	0.74	16.95
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	10	16.75	0.73	16.95
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	10	16.14	4.01	15.4
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	10	16.14	4.01	15.4
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	10	16.14	4.01	15.4
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	10	16.14	4.03	15.4
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	10	15.0	4.58	12.9
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	10	14.98	4.58	12.85
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	10	14.96	4.59	12.85
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	10	14.96	4.59	12.8
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	10	14.5	2.79	14.1
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	10	14.49	2.8	14.1
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	10	14.49	2.79	14.1
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	10	14.49	2.8	14.1
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	10	14.37	3.51	15.3
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	10	14.37	3.49	15.25
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	10	14.36	3.5	15.3
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	10	14.35	3.5	15.25
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	10	14.33	3.76	13.2
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	10	14.32	3.75	13.2
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	10	14.32	3.75	13.2
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	10	14.32	3.78	13.2
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	10	14.01	5.32	14.35
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	10	13.99	5.32	14.3
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	10	13.99	5.33	14.35
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	10	13.99	5.33	14.35
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	10	13.67	2.94	14.2
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	10	13.65	2.96	14.25
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	10	13.65	2.94	14.2
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	10	13.64	2.95	14.2
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	10	13.05	2.65	12.5
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	10	13.04	2.66	12.5
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	10	13.01	2.64	12.4
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	10	13.01	2.64	12.4
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	10	12.26	1.88	12.05
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	10	12.24	1.88	12.1
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	10	12.23	1.88	12.05
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	10	12.22	1.88	12.05
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	10	12.21	2.26	11.85
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	10	12.21	2.26	11.85
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	10	12.18	2.26	11.8
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	10	12.18	2.23	11.85
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	10	12.17	3.74	13.5
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	10	12.15	3.73	13.5
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	10	12.15	3.73	13.5
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	10	12.14	3.73	13.5
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	10	11.86	4.14	11.45
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	10	11.84	4.15	11.45
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	10	11.83	4.16	11.45
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	10	11.83	4.13	11.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	10	10.72	4.04	10.9
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	10	10.7	4.03	10.9
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	10	10.69	4.06	10.9
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	10	10.68	4.05	10.9
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	10	10.24	2.38	9.75
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	10	10.21	2.37	9.75
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	10	10.21	2.38	9.7
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	10	10.2	2.39	9.7
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	10	9.92	6.1	7.5
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	10	9.91	6.11	7.5
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	10	9.9	6.12	7.5
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	10	9.88	6.13	7.45
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	10	9.78	2.98	9.0
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	10	9.75	3.0	9.0
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	10	9.74	3.0	9.0
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	10	9.74	2.99	9.0
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	10	8.96	2.22	9.25
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	10	8.95	2.22	9.25
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	10	8.94	2.22	9.2
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	10	8.93	2.21	9.2
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	10	8.69	3.08	9.5
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	10	8.68	3.08	9.45
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	10	8.66	3.09	9.45
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	10	8.66	3.09	9.45
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	10	8.24	3.16	6.7
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	10	8.24	3.14	6.7
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	10	8.22	3.16	6.7
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	10	8.21	3.16	6.7
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	10	8.17	2.54	8.95
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	10	8.14	2.56	8.95
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	10	8.14	2.55	8.9
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	10	8.13	2.55	8.9
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	10	8.09	2.16	8.15
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	10	8.07	2.19	8.15
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	10	8.07	2.2	8.15
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	10	8.06	2.19	8.15
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	10	7.94	1.99	7.75
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	10	7.93	3.62	6.8
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	10	7.92	1.99	7.7
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	10	7.92	1.97	7.75
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	10	7.91	3.63	6.8
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	10	7.91	3.63	6.8
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	10	7.91	1.99	7.7
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	10	7.91	3.6	6.8
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	10	7.89	2.88	7.75
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	10	7.88	2.88	7.7
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	10	7.87	2.88	7.65
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	10	7.86	2.88	7.65
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	10	7.85	2.57	8.7
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	10	7.83	2.58	8.65
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	10	7.82	2.55	8.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	10	7.79	2.57	8.6
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	10	7.77	1.2	8.3
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	10	7.77	1.2	8.3
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	10	7.76	1.2	8.3
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	10	7.76	1.2	8.3
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	10	7.32	1.66	7.4
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	10	7.31	1.65	7.4
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	10	7.29	1.64	7.4
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	10	7.27	1.64	7.4
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	10	6.84	1.23	7.1
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	10	6.83	1.23	7.05
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	10	6.82	1.23	7.05
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	10	6.82	1.23	7.05
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	10	6.42	0.26	6.35
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	10	6.41	0.25	6.35
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	10	6.4	0.26	6.35
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	10	6.39	0.26	6.35
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	10	6.18	0.74	6.05
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	10	6.17	0.74	6.05
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	10	6.16	0.77	6.1
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	10	6.16	0.76	6.1
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	10	6.03	1.11	5.95
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	10	6.03	1.11	5.95
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	10	6.02	1.11	5.9
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	10	6.02	1.12	5.95
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	10	5.96	2.01	5.7
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	10	5.96	2.02	5.65
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	10	5.95	2.03	5.65
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	10	5.95	2.03	5.65
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	10	5.93	1.61	5.5
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	10	5.93	1.59	5.5
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	10	5.91	1.59	5.5
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	10	5.91	1.59	5.5
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	10	5.67	2.05	5.9
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	10	5.66	2.06	5.9
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	10	5.66	2.06	5.9
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	10	5.65	2.05	5.9
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	10	5.61	1.05	5.9
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	10	5.59	1.06	5.9
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	10	5.59	1.05	5.85
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	10	5.59	1.07	5.85
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	10	5.36	0.63	5.4
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	10	5.35	0.65	5.4
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	10	5.33	0.65	5.35
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	10	5.33	0.64	5.35
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	10	5.15	2.34	4.55
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	10	5.15	2.37	4.55
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	10	5.14	2.37	4.55
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	10	5.14	2.37	4.55
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	10	5.04	1.46	4.5
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	10	5.03	1.45	4.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	10	5.03	1.47	4.5
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	10	5.03	1.06	5.2
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	10	5.02	1.46	4.45
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	10	5.01	1.05	5.15
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	10	5.01	1.05	5.15
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	10	4.99	1.02	5.15
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	10	4.9	0.89	4.95
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	10	4.9	0.87	4.95
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	10	4.89	0.85	4.95
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	10	4.89	0.88	4.9
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	10	4.48	3.05	3.55
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	10	4.47	1.28	5.15
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	10	4.46	3.07	3.5
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	10	4.46	1.27	5.15
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	10	4.45	3.08	3.5
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	10	4.45	1.27	5.1
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	10	4.45	1.27	5.1
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	10	4.44	3.06	3.5
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	10	3.22	0.84	3.4
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	10	3.22	0.84	3.4
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	10	3.21	0.85	3.35
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	10	3.2	0.85	3.35
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	10	2.84	0.88	2.7
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	10	2.83	0.84	2.7
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	10	2.82	0.83	2.7
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	10	2.81	0.88	2.7
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	9	17.6	6.58	17.8
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	9	17.58	6.57	17.8
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	9	17.56	6.55	17.7
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	9	17.56	6.59	17.8
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	9	15.68	1.49	15.6
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	9	15.67	1.53	15.6
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	9	15.66	1.5	15.5
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	9	15.64	1.49	15.5
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	9	10.27	5.87	9.3
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	9	10.26	5.88	9.2
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	9	10.24	5.89	9.3
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	9	10.23	5.88	9.3
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	9	8.04	3.34	8.3
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	9	8.03	3.32	8.3
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	9	8.01	3.36	8.3
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	9	8.0	3.34	8.3
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	9	7.26	2.82	7.4
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	9	7.24	2.81	7.3
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	9	7.24	2.84	7.4
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	9	7.22	2.83	7.3
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	9	7.19	1.42	7.3
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	9	7.17	1.43	7.3
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	9	7.17	1.45	7.3
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	9	7.16	1.45	7.3
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	9	6.92	1.47	7.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	9	6.89	1.47	7.1
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	9	6.89	1.47	7.1
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	9	6.89	1.44	7.1
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	9	6.68	2.33	6.5
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	9	6.66	2.34	6.5
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	9	6.66	2.31	6.5
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	9	6.63	2.3	6.4
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	9	6.28	0.89	5.9
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	9	6.26	0.88	5.9
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	9	6.24	0.88	5.9
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	9	6.24	0.89	5.9
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	9	5.93	8.32	3.3
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	9	5.92	8.33	3.2
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	9	5.92	8.33	3.2
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	9	5.91	8.33	3.2
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	9	5.23	2.35	4.5
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	9	5.22	2.36	4.5
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	9	5.2	2.33	4.4
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	9	5.2	2.35	4.5
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	9	4.86	1.04	5.1
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	9	4.86	0.99	5.1
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	9	4.86	1.02	5.1
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	9	4.84	5.94	3.3
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	9	4.84	1.03	5.1
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	9	4.83	5.95	3.3
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	9	4.82	5.95	3.2
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	9	4.81	5.96	3.2
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	9	3.76	1.23	3.2
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	9	3.74	1.21	3.2
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	9	3.73	1.2	3.2
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	9	3.72	1.22	3.2
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	9	3.62	1.56	3.6
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	9	3.62	1.56	3.5
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	9	3.61	1.57	3.5
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	9	3.61	1.56	3.5
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	9	3.37	0.89	3.6
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	9	3.37	0.89	3.6
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	9	3.36	0.9	3.5
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	9	3.34	0.88	3.5
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	9	2.97	1.29	3.0
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	9	2.96	1.27	2.9
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	9	2.96	1.29	3.0
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	9	2.94	1.28	3.0
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	9	2.83	0.97	2.7
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	9	2.83	0.97	2.7
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	9	2.82	0.95	2.7
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	9	2.8	0.96	2.7
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	8	7.01	3.78	7.05
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	8	7.0	3.77	7.05
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	8	7.0	3.76	7.05
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	8	6.98	3.76	7.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	8	5.41	1.8	5.15
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	8	5.41	1.81	5.1
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	8	5.4	1.81	5.15
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	8	5.39	1.79	5.15
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	8	5.05	2.21	5.75
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	8	5.04	2.2	5.75
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	8	5.02	2.19	5.7
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	8	5.01	2.23	5.75
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	8	5.0	0.77	5.2
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	8	4.99	0.77	5.15
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	8	4.99	0.77	5.15
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	8	4.97	0.76	5.1
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	8	4.01	0.95	4.1
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	8	4.01	0.93	4.05
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	8	4.0	0.94	4.05
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	8	3.99	0.93	4.05
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	8	3.81	1.74	3.85
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	8	3.81	1.74	3.85
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	8	3.81	1.74	3.85
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	8	3.74	2.12	3.45
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	8	3.74	2.07	3.5
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	8	3.74	2.12	3.45
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	8	3.73	1.91	3.3
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	8	3.72	2.09	3.45
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	8	3.7	1.89	3.35
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	8	3.7	1.92	3.3
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	8	3.69	1.93	3.3
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	8	3.05	1.22	3.3
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	8	3.05	1.21	3.35
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	8	3.05	1.21	3.35
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	8	3.04	1.19	3.35
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	8	2.94	1.93	2.4
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	8	2.94	1.93	2.4
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	8	2.94	1.93	2.35
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	8	2.94	1.93	2.35
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	8	2.74	0.95	2.7
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	8	2.74	0.94	2.8
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	8	2.74	1.21	2.1
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	8	2.74	1.21	2.1
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	8	2.72	0.96	2.7
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	8	2.72	1.21	2.1
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	8	2.72	1.22	2.1
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	8	2.71	0.95	2.75
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	7	5.29	3.61	3.9
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	7	5.27	3.58	3.9
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	7	5.27	3.58	3.9
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	7	5.27	3.58	3.9
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	7	4.89	2.12	5.1
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	7	4.87	2.1	5.1
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	7	4.86	2.1	5.0
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	7	4.86	2.1	5.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	7	4.41	1.21	4.8
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	7	4.4	1.21	4.8
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	7	4.4	1.23	4.8
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	7	4.4	1.2	4.8
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	7	4.14	1.31	4.5
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	7	4.14	1.31	4.5
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	7	4.14	1.31	4.5
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	7	4.14	1.48	4.2
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	7	4.13	1.3	4.4
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	7	4.03	2.28	4.6
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	7	4.01	2.27	4.6
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	7	4.0	2.31	4.6
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	7	4.0	2.28	4.6
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	7	3.51	1.22	4.3
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	7	3.51	1.22	4.3
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	7	3.49	1.22	4.3
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	7	3.49	1.25	4.3
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	7	3.47	0.84	3.4
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	7	3.46	0.85	3.4
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	7	3.46	0.85	3.4
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	7	3.46	0.85	3.4
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	7	3.04	1.77	3.1
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	7	3.03	1.76	3.1
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	7	3.03	1.79	3.1
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	7	2.97	1.1	3.3
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	7	2.96	1.09	3.2
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	7	2.96	1.09	3.2
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	7	2.94	1.1	3.2
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	7	2.67	1.15	2.7
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	7	2.66	1.12	2.7
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	7	2.64	1.13	2.7
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	7	2.61	1.09	2.7
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	7	1.96	0.31	1.9
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	7	1.94	0.31	1.9
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	7	1.93	0.29	1.9
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	7	1.93	0.28	1.9
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	6	6.17	2.48	5.5
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	6	6.15	2.49	5.5
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	6	6.12	2.5	5.4
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	6	6.12	2.5	5.4
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	6	3.95	1.44	3.65
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	6	3.93	1.45	3.65
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	6	3.92	1.43	3.65
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	6	3.92	1.43	3.65
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	6	3.67	1.17	3.3
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	6	3.67	1.17	3.3
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	6	3.67	1.17	3.3
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	6	3.65	1.18	3.3
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	6	3.37	1.71	3.4
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	6	3.0	3.32	1.6
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	6	3.0	3.32	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	6	3.0	3.32	1.6
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	6	2.98	3.32	1.6
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	6	2.9	0.84	2.8
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	6	2.9	0.85	2.85
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	6	2.88	0.84	2.85
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	6	2.88	0.83	2.85
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	6	2.1	0.54	2.0
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	6	2.1	0.56	2.0
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	6	2.08	0.56	2.0
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	6	2.08	0.56	2.0
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	6	1.88	0.84	1.65
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	6	1.87	0.84	1.6
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	6	1.87	0.84	1.6
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	6	1.87	0.84	1.6
(1,1190)	1:B:184:VAL:C	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	5	6.9	2.0	7.1
(1,1009)	1:A:156:ILE:N	1:A:156:ILE:CA	1:A:156:ILE:C	1:A:157:MET:N	5	6.9	2.03	8.0
(1,1011)	1:C:156:ILE:N	1:C:156:ILE:CA	1:C:156:ILE:C	1:C:157:MET:N	5	6.9	2.03	8.0
(1,1010)	1:B:156:ILE:N	1:B:156:ILE:CA	1:B:156:ILE:C	1:B:157:MET:N	5	6.88	2.01	8.0
(1,1012)	1:D:156:ILE:N	1:D:156:ILE:CA	1:D:156:ILE:C	1:D:157:MET:N	5	6.88	2.02	7.9
(1,1189)	1:A:184:VAL:C	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	5	6.88	1.97	7.1
(1,1192)	1:D:184:VAL:C	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	5	6.88	1.99	7.1
(1,1191)	1:C:184:VAL:C	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	5	6.86	1.96	7.1
(1,241)	1:A:38:VAL:C	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	5	4.92	1.68	5.4
(1,244)	1:D:38:VAL:C	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	5	4.92	1.71	5.4
(1,243)	1:C:38:VAL:C	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	5	4.9	1.74	5.4
(1,242)	1:B:38:VAL:C	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	5	4.88	1.67	5.4
(1,998)	1:B:154:ALA:C	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	5	3.8	1.38	3.4
(1,999)	1:C:154:ALA:C	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	5	3.78	1.44	3.4
(1,1000)	1:D:154:ALA:C	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	5	3.78	1.4	3.4
(1,997)	1:A:154:ALA:C	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	5	3.76	1.41	3.3
(1,725)	1:A:106:GLU:N	1:A:106:GLU:CA	1:A:106:GLU:C	1:A:107:THR:N	5	3.14	0.96	2.7
(1,726)	1:B:106:GLU:N	1:B:106:GLU:CA	1:B:106:GLU:C	1:B:107:THR:N	5	3.14	0.96	2.7
(1,727)	1:C:106:GLU:N	1:C:106:GLU:CA	1:C:106:GLU:C	1:C:107:THR:N	5	3.14	0.96	2.7
(1,728)	1:D:106:GLU:N	1:D:106:GLU:CA	1:D:106:GLU:C	1:D:107:THR:N	5	3.14	0.96	2.7
(1,1449)	1:A:237:PRO:N	1:A:237:PRO:CA	1:A:237:PRO:C	1:A:238:LEU:N	5	3.08	0.4	3.0
(1,1450)	1:B:237:PRO:N	1:B:237:PRO:CA	1:B:237:PRO:C	1:B:238:LEU:N	5	3.08	0.42	3.0
(1,1451)	1:C:237:PRO:N	1:C:237:PRO:CA	1:C:237:PRO:C	1:C:238:LEU:N	5	3.08	0.42	3.0
(1,1452)	1:D:237:PRO:N	1:D:237:PRO:CA	1:D:237:PRO:C	1:D:238:LEU:N	5	3.06	0.45	3.0
(1,65)	1:A:11:SER:C	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	5	3.02	1.41	3.1
(1,66)	1:B:11:SER:C	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	5	3.02	1.38	3.2
(1,68)	1:D:11:SER:C	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	5	3.02	1.41	3.1
(1,67)	1:C:11:SER:C	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	5	3.0	1.38	3.1
(1,1378)	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1:B:222:PHE:N	5	2.92	1.47	2.3
(1,1379)	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1:C:222:PHE:N	5	2.92	1.46	2.3
(1,1377)	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1:A:222:PHE:N	5	2.9	1.48	2.3
(1,1380)	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1:D:222:PHE:N	5	2.9	1.47	2.3
(1,1209)	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	1:A:189:ARG:N	5	2.68	1.22	2.2
(1,1210)	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	1:B:189:ARG:N	5	2.68	1.22	2.2
(1,1211)	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	1:C:189:ARG:N	5	2.66	1.23	2.1
(1,1212)	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	1:D:189:ARG:N	5	2.66	1.23	2.1
(1,1355)	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1:C:218:GLU:N	5	2.58	1.55	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1356)	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1:D:218:GLU:N	5	2.58	1.54	2.1
(1,143)	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1:C:23:LYS:N	5	2.56	1.03	3.3
(1,1129)	1:A:175:VAL:N	1:A:175:VAL:CA	1:A:175:VAL:C	1:A:176:ARG:N	5	2.56	0.48	2.6
(1,1131)	1:C:175:VAL:N	1:C:175:VAL:CA	1:C:175:VAL:C	1:C:176:ARG:N	5	2.56	0.48	2.6
(1,1132)	1:D:175:VAL:N	1:D:175:VAL:CA	1:D:175:VAL:C	1:D:176:ARG:N	5	2.56	0.48	2.6
(1,142)	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1:B:23:LYS:N	5	2.54	1.02	3.2
(1,144)	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1:D:23:LYS:N	5	2.54	1.02	3.2
(1,1130)	1:B:175:VAL:N	1:B:175:VAL:CA	1:B:175:VAL:C	1:B:176:ARG:N	5	2.54	0.48	2.6
(1,1353)	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1:A:218:GLU:N	5	2.54	1.56	2.0
(1,1354)	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1:B:218:GLU:N	5	2.52	1.57	1.9
(1,141)	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1:A:23:LYS:N	5	2.52	1.0	3.2
(1,1838)	1:B:8:PRO:C	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	5	2.44	0.55	2.2
(1,1839)	1:C:8:PRO:C	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	5	2.44	0.55	2.2
(1,1840)	1:D:8:PRO:C	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	5	2.44	0.51	2.2
(1,1837)	1:A:8:PRO:C	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	5	2.42	0.51	2.2
(1,170)	1:B:27:GLY:C	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	5	2.0	1.24	1.3
(1,171)	1:C:27:GLY:C	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	5	1.98	1.2	1.3
(1,172)	1:D:27:GLY:C	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	5	1.98	1.2	1.3
(1,1164)	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	1:D:181:ARG:N	5	1.98	0.57	2.0
(1,1163)	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	1:C:181:ARG:N	5	1.96	0.55	2.0
(1,1161)	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	1:A:181:ARG:N	5	1.96	0.55	2.0
(1,1162)	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	1:B:181:ARG:N	5	1.92	0.56	2.0
(1,1989)	1:A:260:SER:C	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	5	1.86	0.67	1.6
(1,1991)	1:C:260:SER:C	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	5	1.86	0.67	1.6
(1,1992)	1:D:260:SER:C	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	5	1.84	0.68	1.6
(1,1990)	1:B:260:SER:C	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	5	1.82	0.62	1.6
(1,1873)	1:A:95:PRO:N	1:A:95:PRO:CA	1:A:95:PRO:C	1:A:96:GLY:N	5	1.68	0.4	1.4
(1,633)	1:A:90:ALA:C	1:A:91:ASN:N	1:A:91:ASN:CA	1:A:91:ASN:C	5	1.66	0.74	1.4
(1,634)	1:B:90:ALA:C	1:B:91:ASN:N	1:B:91:ASN:CA	1:B:91:ASN:C	5	1.66	0.74	1.4
(1,635)	1:C:90:ALA:C	1:C:91:ASN:N	1:C:91:ASN:CA	1:C:91:ASN:C	5	1.66	0.74	1.4
(1,1875)	1:C:95:PRO:N	1:C:95:PRO:CA	1:C:95:PRO:C	1:C:96:GLY:N	5	1.66	0.41	1.4
(1,1876)	1:D:95:PRO:N	1:D:95:PRO:CA	1:D:95:PRO:C	1:D:96:GLY:N	5	1.66	0.41	1.4
(1,1874)	1:B:95:PRO:N	1:B:95:PRO:CA	1:B:95:PRO:C	1:B:96:GLY:N	5	1.64	0.4	1.4
(1,1920)	1:D:198:GLU:C	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	4	7.3	2.88	6.65
(1,1917)	1:A:198:GLU:C	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	4	7.28	2.9	6.65
(1,1919)	1:C:198:GLU:C	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	4	7.28	2.84	6.65
(1,1918)	1:B:198:GLU:C	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	4	7.25	2.87	6.65
(1,1730)	1:B:283:HIS:N	1:B:283:HIS:CA	1:B:283:HIS:C	1:B:284:ARG:N	4	4.28	4.46	2.05
(1,1729)	1:A:283:HIS:N	1:A:283:HIS:CA	1:A:283:HIS:C	1:A:284:ARG:N	4	4.25	4.53	1.95
(1,1732)	1:D:283:HIS:N	1:D:283:HIS:CA	1:D:283:HIS:C	1:D:284:ARG:N	4	4.23	4.49	1.95
(1,1731)	1:C:283:HIS:N	1:C:283:HIS:CA	1:C:283:HIS:C	1:C:284:ARG:N	4	4.2	4.49	1.9
(1,1181)	1:A:183:ASN:C	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	4	3.97	1.47	3.65
(1,1182)	1:B:183:ASN:C	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	4	3.97	1.47	3.65
(1,1183)	1:C:183:ASN:C	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	4	3.97	1.47	3.65
(1,1184)	1:D:183:ASN:C	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	4	3.97	1.47	3.65
(1,247)	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	1:C:40:ALA:N	4	3.82	1.36	3.95
(1,245)	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	1:A:40:ALA:N	4	3.8	1.4	3.95
(1,246)	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	1:B:40:ALA:N	4	3.78	1.37	3.95
(1,248)	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	1:D:40:ALA:N	4	3.78	1.4	3.9
(1,1122)	1:B:174:MET:N	1:B:174:MET:CA	1:B:174:MET:C	1:B:175:VAL:N	4	3.25	1.45	3.05
(1,1121)	1:A:174:MET:N	1:A:174:MET:CA	1:A:174:MET:C	1:A:175:VAL:N	4	3.2	1.47	3.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1124)	1:D:174:MET:N	1:D:174:MET:CA	1:D:174:MET:C	1:D:175:VAL:N	4	3.2	1.45	2.95
(1,1123)	1:C:174:MET:N	1:C:174:MET:CA	1:C:174:MET:C	1:C:175:VAL:N	4	3.18	1.48	2.95
(1,985)	1:A:151:ARG:N	1:A:151:ARG:CA	1:A:151:ARG:C	1:A:152:PRO:N	4	3.05	2.52	1.75
(1,988)	1:D:151:ARG:N	1:D:151:ARG:CA	1:D:151:ARG:C	1:D:152:PRO:N	4	3.05	2.52	1.75
(1,986)	1:B:151:ARG:N	1:B:151:ARG:CA	1:B:151:ARG:C	1:B:152:PRO:N	4	3.02	2.54	1.75
(1,987)	1:C:151:ARG:N	1:C:151:ARG:CA	1:C:151:ARG:C	1:C:152:PRO:N	4	3.02	2.54	1.75
(1,1973)	1:A:252:MET:C	1:A:253:LEU:N	1:A:253:LEU:CA	1:A:253:LEU:C	4	2.92	1.72	2.3
(1,1974)	1:B:252:MET:C	1:B:253:LEU:N	1:B:253:LEU:CA	1:B:253:LEU:C	4	2.92	1.72	2.3
(1,1975)	1:C:252:MET:C	1:C:253:LEU:N	1:C:253:LEU:CA	1:C:253:LEU:C	4	2.92	1.72	2.3
(1,1976)	1:D:252:MET:C	1:D:253:LEU:N	1:D:253:LEU:CA	1:D:253:LEU:C	4	2.92	1.72	2.3
(1,1185)	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	1:A:185:ILE:N	4	2.78	1.09	2.75
(1,1186)	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	1:B:185:ILE:N	4	2.78	1.08	2.8
(1,1187)	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	1:C:185:ILE:N	4	2.78	1.08	2.8
(1,1188)	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	1:D:185:ILE:N	4	2.72	1.03	2.75
(1,1197)	1:A:186:ALA:C	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	4	2.62	0.57	2.65
(1,1198)	1:B:186:ALA:C	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	4	2.62	0.57	2.65
(1,1199)	1:C:186:ALA:C	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	4	2.62	0.57	2.65
(1,1200)	1:D:186:ALA:C	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	4	2.62	0.57	2.65
(1,405)	1:A:60:TRP:N	1:A:60:TRP:CA	1:A:60:TRP:C	1:A:61:PRO:N	4	2.58	1.35	2.15
(1,407)	1:C:60:TRP:N	1:C:60:TRP:CA	1:C:60:TRP:C	1:C:61:PRO:N	4	2.58	1.35	2.15
(1,408)	1:D:60:TRP:N	1:D:60:TRP:CA	1:D:60:TRP:C	1:D:61:PRO:N	4	2.58	1.35	2.15
(1,406)	1:B:60:TRP:N	1:B:60:TRP:CA	1:B:60:TRP:C	1:B:61:PRO:N	4	2.55	1.37	2.15
(1,1785)	1:A:295:MET:N	1:A:295:MET:CA	1:A:295:MET:C	1:A:296:THR:N	4	2.25	0.83	2.15
(1,1786)	1:B:295:MET:N	1:B:295:MET:CA	1:B:295:MET:C	1:B:296:THR:N	4	2.25	0.76	2.15
(1,1788)	1:D:295:MET:N	1:D:295:MET:CA	1:D:295:MET:C	1:D:296:THR:N	4	2.25	0.76	2.15
(1,1787)	1:C:295:MET:N	1:C:295:MET:CA	1:C:295:MET:C	1:C:296:THR:N	4	2.22	0.76	2.1
(1,169)	1:A:27:GLY:C	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	4	2.2	1.25	1.65
(1,710)	1:B:104:SER:N	1:B:104:SER:CA	1:B:104:SER:C	1:B:105:VAL:N	4	1.88	0.63	1.95
(1,709)	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	1:A:105:VAL:N	4	1.82	0.63	1.85
(1,711)	1:C:104:SER:N	1:C:104:SER:CA	1:C:104:SER:C	1:C:105:VAL:N	4	1.82	0.63	1.85
(1,636)	1:D:90:ALA:C	1:D:91:ASN:N	1:D:91:ASN:CA	1:D:91:ASN:C	4	1.8	0.77	1.5
(1,189)	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	1:A:32:TRP:N	4	1.72	0.33	1.85
(1,190)	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	1:B:32:TRP:N	4	1.72	0.33	1.85
(1,191)	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	1:C:32:TRP:N	4	1.7	0.31	1.8
(1,192)	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	1:D:32:TRP:N	4	1.7	0.31	1.8
(1,181)	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	1:A:30:ARG:N	4	1.68	0.51	1.5
(1,182)	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	1:B:30:ARG:N	4	1.67	0.52	1.55
(1,183)	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	1:C:30:ARG:N	4	1.67	0.52	1.55
(1,184)	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	1:D:30:ARG:N	4	1.65	0.54	1.5
(1,1929)	1:A:205:SER:N	1:A:205:SER:CA	1:A:205:SER:C	1:A:206:LEU:N	3	6.87	1.53	7.9
(1,1930)	1:B:205:SER:N	1:B:205:SER:CA	1:B:205:SER:C	1:B:206:LEU:N	3	6.87	1.53	7.9
(1,1931)	1:C:205:SER:N	1:C:205:SER:CA	1:C:205:SER:C	1:C:206:LEU:N	3	6.87	1.53	7.9
(1,1932)	1:D:205:SER:N	1:D:205:SER:CA	1:D:205:SER:C	1:D:206:LEU:N	3	6.87	1.53	7.9
(1,1029)	1:A:160:ARG:C	1:A:161:HIS:N	1:A:161:HIS:CA	1:A:161:HIS:C	3	5.1	1.9	4.4
(1,1030)	1:B:160:ARG:C	1:B:161:HIS:N	1:B:161:HIS:CA	1:B:161:HIS:C	3	5.1	1.9	4.4
(1,1031)	1:C:160:ARG:C	1:C:161:HIS:N	1:C:161:HIS:CA	1:C:161:HIS:C	3	5.1	1.9	4.4
(1,1032)	1:D:160:ARG:C	1:D:161:HIS:N	1:D:161:HIS:CA	1:D:161:HIS:C	3	5.1	1.9	4.4
(1,101)	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	1:A:17:ALA:N	3	4.17	2.37	4.3
(1,102)	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	1:B:17:ALA:N	3	4.13	2.37	4.2
(1,103)	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	1:C:17:ALA:N	3	4.13	2.33	4.3
(1,104)	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	1:D:17:ALA:N	3	4.13	2.33	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,369)	1:A:55:ALA:C	1:A:56:LEU:N	1:A:56:LEU:CA	1:A:56:LEU:C	3	4.03	1.82	2.9
(1,370)	1:B:55:ALA:C	1:B:56:LEU:N	1:B:56:LEU:CA	1:B:56:LEU:C	3	4.03	1.82	2.9
(1,371)	1:C:55:ALA:C	1:C:56:LEU:N	1:C:56:LEU:CA	1:C:56:LEU:C	3	4.03	1.82	2.9
(1,372)	1:D:55:ALA:C	1:D:56:LEU:N	1:D:56:LEU:CA	1:D:56:LEU:C	3	4.0	1.85	2.9
(1,100)	1:D:15:ALA:C	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	3	3.23	1.23	4.0
(1,97)	1:A:15:ALA:C	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	3	3.17	1.26	3.9
(1,98)	1:B:15:ALA:C	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	3	3.17	1.26	3.9
(1,99)	1:C:15:ALA:C	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	3	3.17	1.26	3.9
(1,1813)	1:A:298:ILE:C	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	3	3.17	0.25	3.1
(1,1814)	1:B:298:ILE:C	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	3	3.13	0.21	3.1
(1,1815)	1:C:298:ILE:C	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	3	3.13	0.21	3.1
(1,1816)	1:D:298:ILE:C	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	3	3.13	0.21	3.1
(1,385)	1:A:57:LYS:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	3	2.6	1.45	2.0
(1,387)	1:C:57:LYS:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	3	2.57	1.47	1.9
(1,386)	1:B:57:LYS:C	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	3	2.57	1.48	2.0
(1,365)	1:A:55:ALA:N	1:A:55:ALA:CA	1:A:55:ALA:C	1:A:56:LEU:N	3	2.53	0.33	2.6
(1,366)	1:B:55:ALA:N	1:B:55:ALA:CA	1:B:55:ALA:C	1:B:56:LEU:N	3	2.53	0.33	2.6
(1,367)	1:C:55:ALA:N	1:C:55:ALA:CA	1:C:55:ALA:C	1:C:56:LEU:N	3	2.53	0.33	2.6
(1,388)	1:D:57:LYS:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	3	2.53	1.5	1.9
(1,368)	1:D:55:ALA:N	1:D:55:ALA:CA	1:D:55:ALA:C	1:D:56:LEU:N	3	2.5	0.33	2.5
(1,220)	1:D:35:THR:C	1:D:36:ARG:N	1:D:36:ARG:CA	1:D:36:ARG:C	3	2.47	0.45	2.5
(1,217)	1:A:35:THR:C	1:A:36:ARG:N	1:A:36:ARG:CA	1:A:36:ARG:C	3	2.43	0.41	2.5
(1,218)	1:B:35:THR:C	1:B:36:ARG:N	1:B:36:ARG:CA	1:B:36:ARG:C	3	2.43	0.41	2.5
(1,219)	1:C:35:THR:C	1:C:36:ARG:N	1:C:36:ARG:CA	1:C:36:ARG:C	3	2.43	0.41	2.5
(1,1201)	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	1:A:188:ALA:N	3	2.4	0.59	2.6
(1,1202)	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	1:B:188:ALA:N	3	2.4	0.59	2.6
(1,1203)	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	1:C:188:ALA:N	3	2.4	0.59	2.6
(1,1204)	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	1:D:188:ALA:N	3	2.4	0.59	2.6
(1,1938)	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	1:B:220:PRO:N	3	2.37	0.7	2.2
(1,198)	1:B:32:TRP:N	1:B:32:TRP:CA	1:B:32:TRP:C	1:B:33:SER:N	3	2.33	0.49	2.4
(1,199)	1:C:32:TRP:N	1:C:32:TRP:CA	1:C:32:TRP:C	1:C:33:SER:N	3	2.33	0.49	2.4
(1,200)	1:D:32:TRP:N	1:D:32:TRP:CA	1:D:32:TRP:C	1:D:33:SER:N	3	2.33	0.49	2.4
(1,1937)	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	1:A:220:PRO:N	3	2.33	0.71	2.1
(1,1939)	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	1:C:220:PRO:N	3	2.33	0.71	2.1
(1,1940)	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	1:D:220:PRO:N	3	2.33	0.71	2.1
(1,197)	1:A:32:TRP:N	1:A:32:TRP:CA	1:A:32:TRP:C	1:A:33:SER:N	3	2.3	0.45	2.4
(1,1237)	1:A:191:LYS:C	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	3	2.13	0.86	2.1
(1,1238)	1:B:191:LYS:C	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	3	2.13	0.86	2.1
(1,1239)	1:C:191:LYS:C	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	3	2.13	0.86	2.1
(1,1240)	1:D:191:LYS:C	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	3	2.13	0.86	2.1
(1,1305)	1:A:210:HIS:N	1:A:210:HIS:CA	1:A:210:HIS:C	1:A:211:ASP:N	3	2.07	0.74	2.2
(1,1307)	1:C:210:HIS:N	1:C:210:HIS:CA	1:C:210:HIS:C	1:C:211:ASP:N	3	2.07	0.74	2.2
(1,1308)	1:D:210:HIS:N	1:D:210:HIS:CA	1:D:210:HIS:C	1:D:211:ASP:N	3	2.07	0.74	2.2
(1,712)	1:D:104:SER:N	1:D:104:SER:CA	1:D:104:SER:C	1:D:105:VAL:N	3	2.07	0.47	2.4
(1,1306)	1:B:210:HIS:N	1:B:210:HIS:CA	1:B:210:HIS:C	1:B:211:ASP:N	3	2.03	0.7	2.2
(1,1912)	1:D:194:LEU:C	1:D:195:MET:N	1:D:195:MET:CA	1:D:195:MET:C	3	1.77	0.87	1.2
(1,1365)	1:A:219:HIS:C	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	2	11.7	10.1	11.7
(1,1368)	1:D:219:HIS:C	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	2	11.65	10.15	11.65
(1,1366)	1:B:219:HIS:C	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	2	11.6	10.2	11.6
(1,1367)	1:C:219:HIS:C	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	2	11.6	10.2	11.6
(1,1017)	1:A:157:MET:N	1:A:157:MET:CA	1:A:157:MET:C	1:A:158:PHE:N	2	4.55	0.75	4.55

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,1019)	1:C:157:MET:N	1:C:157:MET:CA	1:C:157:MET:C	1:C:158:PHE:N	2	4.55	0.75	4.55
(1,1020)	1:D:157:MET:N	1:D:157:MET:CA	1:D:157:MET:C	1:D:158:PHE:N	2	4.55	0.75	4.55
(1,1018)	1:B:157:MET:N	1:B:157:MET:CA	1:B:157:MET:C	1:B:158:PHE:N	2	4.5	0.8	4.5
(1,213)	1:A:35:THR:N	1:A:35:THR:CA	1:A:35:THR:C	1:A:36:ARG:N	2	4.4	2.0	4.4
(1,214)	1:B:35:THR:N	1:B:35:THR:CA	1:B:35:THR:C	1:B:36:ARG:N	2	4.4	2.0	4.4
(1,215)	1:C:35:THR:N	1:C:35:THR:CA	1:C:35:THR:C	1:C:36:ARG:N	2	4.4	2.0	4.4
(1,216)	1:D:35:THR:N	1:D:35:THR:CA	1:D:35:THR:C	1:D:36:ARG:N	2	4.4	2.0	4.4
(1,69)	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	1:A:13:SER:N	2	4.25	2.35	4.25
(1,70)	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	1:B:13:SER:N	2	4.25	2.35	4.25
(1,72)	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	1:D:13:SER:N	2	4.2	2.4	4.2
(1,306)	1:B:47:VAL:C	1:B:48:TRP:N	1:B:48:TRP:CA	1:B:48:TRP:C	2	4.2	0.6	4.2
(1,71)	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	1:C:13:SER:N	2	4.15	2.35	4.15
(1,305)	1:A:47:VAL:C	1:A:48:TRP:N	1:A:48:TRP:CA	1:A:48:TRP:C	2	4.15	0.65	4.15
(1,307)	1:C:47:VAL:C	1:C:48:TRP:N	1:C:48:TRP:CA	1:C:48:TRP:C	2	4.15	0.65	4.15
(1,308)	1:D:47:VAL:C	1:D:48:TRP:N	1:D:48:TRP:CA	1:D:48:TRP:C	2	4.15	0.65	4.15
(1,1025)	1:A:160:ARG:N	1:A:160:ARG:CA	1:A:160:ARG:C	1:A:161:HIS:N	2	3.9	1.3	3.9
(1,1026)	1:B:160:ARG:N	1:B:160:ARG:CA	1:B:160:ARG:C	1:B:161:HIS:N	2	3.9	1.3	3.9
(1,1027)	1:C:160:ARG:N	1:C:160:ARG:CA	1:C:160:ARG:C	1:C:161:HIS:N	2	3.9	1.3	3.9
(1,1028)	1:D:160:ARG:N	1:D:160:ARG:CA	1:D:160:ARG:C	1:D:161:HIS:N	2	3.9	1.3	3.9
(1,739)	1:C:117:HIS:N	1:C:117:HIS:CA	1:C:117:HIS:C	1:C:118:PRO:N	2	3.55	2.35	3.55
(1,737)	1:A:117:HIS:N	1:A:117:HIS:CA	1:A:117:HIS:C	1:A:118:PRO:N	2	3.5	2.3	3.5
(1,738)	1:B:117:HIS:N	1:B:117:HIS:CA	1:B:117:HIS:C	1:B:118:PRO:N	2	3.5	2.3	3.5
(1,740)	1:D:117:HIS:N	1:D:117:HIS:CA	1:D:117:HIS:C	1:D:118:PRO:N	2	3.5	2.3	3.5
(1,1789)	1:A:295:MET:C	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	2	3.4	1.5	3.4
(1,1790)	1:B:295:MET:C	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	2	3.4	1.5	3.4
(1,1792)	1:D:295:MET:C	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	2	3.4	1.5	3.4
(1,1791)	1:C:295:MET:C	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	2	3.35	1.45	3.35
(1,1205)	1:A:187:GLU:C	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	2	3.2	1.4	3.2
(1,1206)	1:B:187:GLU:C	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	2	3.2	1.4	3.2
(1,1207)	1:C:187:GLU:C	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	2	3.2	1.4	3.2
(1,1208)	1:D:187:GLU:C	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	2	3.2	1.4	3.2
(1,1157)	1:A:179:ASN:C	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	2	2.7	1.1	2.7
(1,1158)	1:B:179:ASN:C	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	2	2.7	1.1	2.7
(1,1159)	1:C:179:ASN:C	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	2	2.7	1.1	2.7
(1,1160)	1:D:179:ASN:C	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	2	2.7	1.1	2.7
(1,1409)	1:A:226:TRP:N	1:A:226:TRP:CA	1:A:226:TRP:C	1:A:227:ASN:N	2	2.5	0.8	2.5
(1,1410)	1:B:226:TRP:N	1:B:226:TRP:CA	1:B:226:TRP:C	1:B:227:ASN:N	2	2.5	0.8	2.5
(1,1411)	1:C:226:TRP:N	1:C:226:TRP:CA	1:C:226:TRP:C	1:C:227:ASN:N	2	2.5	0.8	2.5
(1,137)	1:A:21:ALA:C	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	2	2.45	0.25	2.45
(1,139)	1:C:21:ALA:C	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	2	2.45	0.25	2.45
(1,140)	1:D:21:ALA:C	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	2	2.45	0.25	2.45
(1,1412)	1:D:226:TRP:N	1:D:226:TRP:CA	1:D:226:TRP:C	1:D:227:ASN:N	2	2.45	0.85	2.45
(1,138)	1:B:21:ALA:C	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	2	2.4	0.2	2.4
(1,49)	1:A:9:HIS:C	1:A:10:SER:N	1:A:10:SER:CA	1:A:10:SER:C	2	2.35	0.25	2.35
(1,52)	1:D:9:HIS:C	1:D:10:SER:N	1:D:10:SER:CA	1:D:10:SER:C	2	2.35	0.25	2.35
(1,50)	1:B:9:HIS:C	1:B:10:SER:N	1:B:10:SER:CA	1:B:10:SER:C	2	2.3	0.2	2.3
(1,51)	1:C:9:HIS:C	1:C:10:SER:N	1:C:10:SER:CA	1:C:10:SER:C	2	2.3	0.2	2.3
(1,45)	1:A:8:PRO:N	1:A:8:PRO:CA	1:A:8:PRO:C	1:A:9:HIS:N	2	2.25	0.15	2.25
(1,47)	1:C:8:PRO:N	1:C:8:PRO:CA	1:C:8:PRO:C	1:C:9:HIS:N	2	2.25	0.15	2.25
(1,48)	1:D:8:PRO:N	1:D:8:PRO:CA	1:D:8:PRO:C	1:D:9:HIS:N	2	2.25	0.15	2.25
(1,185)	1:A:30:ARG:C	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	2	2.25	0.05	2.25

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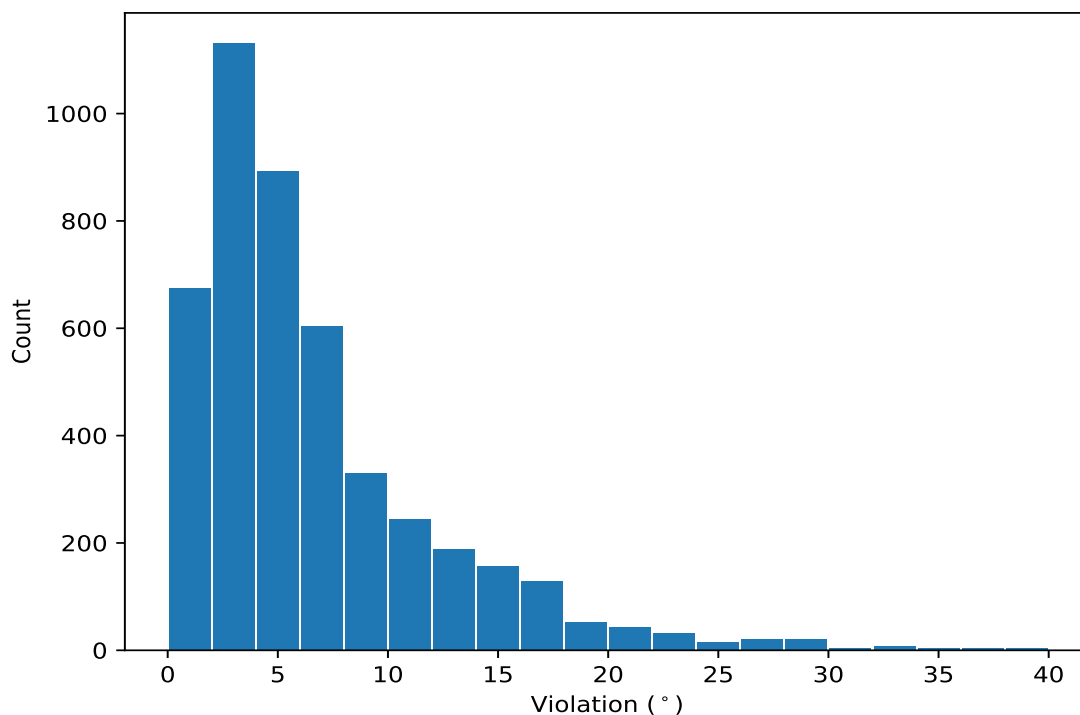
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,188)	1:D:30:ARG:C	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	2	2.25	0.15	2.25
(1,46)	1:B:8:PRO:N	1:B:8:PRO:CA	1:B:8:PRO:C	1:B:9:HIS:N	2	2.2	0.1	2.2
(1,186)	1:B:30:ARG:C	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	2	2.2	0.1	2.2
(1,187)	1:C:30:ARG:C	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	2	2.2	0.1	2.2
(1,1911)	1:C:194:LEU:C	1:C:195:MET:N	1:C:195:MET:CA	1:C:195:MET:C	2	2.1	0.9	2.1
(1,1603)	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	1:C:267:VAL:N	2	2.05	0.55	2.05
(1,1604)	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	1:D:267:VAL:N	2	2.05	0.55	2.05
(1,1909)	1:A:194:LEU:C	1:A:195:MET:N	1:A:195:MET:CA	1:A:195:MET:C	2	2.05	0.95	2.05
(1,1910)	1:B:194:LEU:C	1:B:195:MET:N	1:B:195:MET:CA	1:B:195:MET:C	2	2.05	0.95	2.05
(1,57)	1:A:10:SER:C	1:A:11:SER:N	1:A:11:SER:CA	1:A:11:SER:C	2	2.0	0.8	2.0
(1,60)	1:D:10:SER:C	1:D:11:SER:N	1:D:11:SER:CA	1:D:11:SER:C	2	2.0	0.8	2.0
(1,1601)	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	1:A:267:VAL:N	2	2.0	0.5	2.0
(1,1602)	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	1:B:267:VAL:N	2	2.0	0.5	2.0
(1,58)	1:B:10:SER:C	1:B:11:SER:N	1:B:11:SER:CA	1:B:11:SER:C	2	1.95	0.75	1.95
(1,1041)	1:A:162:ALA:N	1:A:162:ALA:CA	1:A:162:ALA:C	1:A:163:ILE:N	2	1.95	0.15	1.95
(1,1042)	1:B:162:ALA:N	1:B:162:ALA:CA	1:B:162:ALA:C	1:B:163:ILE:N	2	1.95	0.15	1.95
(1,1043)	1:C:162:ALA:N	1:C:162:ALA:CA	1:C:162:ALA:C	1:C:163:ILE:N	2	1.95	0.15	1.95
(1,1044)	1:D:162:ALA:N	1:D:162:ALA:CA	1:D:162:ALA:C	1:D:163:ILE:N	2	1.95	0.15	1.95
(1,59)	1:C:10:SER:C	1:C:11:SER:N	1:C:11:SER:CA	1:C:11:SER:C	2	1.95	0.85	1.95
(1,1685)	1:A:277:ASP:C	1:A:278:ASP:N	1:A:278:ASP:CA	1:A:278:ASP:C	2	1.9	0.4	1.9
(1,1686)	1:B:277:ASP:C	1:B:278:ASP:N	1:B:278:ASP:CA	1:B:278:ASP:C	2	1.9	0.4	1.9
(1,1688)	1:D:277:ASP:C	1:D:278:ASP:N	1:D:278:ASP:CA	1:D:278:ASP:C	2	1.85	0.35	1.85
(1,1687)	1:C:277:ASP:C	1:C:278:ASP:N	1:C:278:ASP:CA	1:C:278:ASP:C	2	1.85	0.45	1.85
(1,1021)	1:A:159:ALA:C	1:A:160:ARG:N	1:A:160:ARG:CA	1:A:160:ARG:C	2	1.7	0.4	1.7
(1,1022)	1:B:159:ALA:C	1:B:160:ARG:N	1:B:160:ARG:CA	1:B:160:ARG:C	2	1.7	0.4	1.7
(1,1023)	1:C:159:ALA:C	1:C:160:ARG:N	1:C:160:ARG:CA	1:C:160:ARG:C	2	1.7	0.4	1.7
(1,1024)	1:D:159:ALA:C	1:D:160:ARG:N	1:D:160:ARG:CA	1:D:160:ARG:C	2	1.7	0.4	1.7
(1,1269)	1:A:201:SER:C	1:A:202:GLU:N	1:A:202:GLU:CA	1:A:202:GLU:C	2	1.6	0.2	1.6
(1,1272)	1:D:201:SER:C	1:D:202:GLU:N	1:D:202:GLU:CA	1:D:202:GLU:C	2	1.6	0.2	1.6
(1,1745)	1:A:285:TYR:N	1:A:285:TYR:CA	1:A:285:TYR:C	1:A:286:VAL:N	2	1.55	0.25	1.55
(1,1746)	1:B:285:TYR:N	1:B:285:TYR:CA	1:B:285:TYR:C	1:B:286:VAL:N	2	1.55	0.25	1.55
(1,1747)	1:C:285:TYR:N	1:C:285:TYR:CA	1:C:285:TYR:C	1:C:286:VAL:N	2	1.55	0.25	1.55
(1,1748)	1:D:285:TYR:N	1:D:285:TYR:CA	1:D:285:TYR:C	1:D:286:VAL:N	2	1.55	0.25	1.55
(1,1270)	1:B:201:SER:C	1:B:202:GLU:N	1:B:202:GLU:CA	1:B:202:GLU:C	2	1.55	0.15	1.55
(1,1271)	1:C:201:SER:C	1:C:202:GLU:N	1:C:202:GLU:CA	1:C:202:GLU:C	2	1.55	0.15	1.55
(1,1166)	1:B:181:ARG:C	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	2	1.4	0.1	1.4
(1,1167)	1:C:181:ARG:C	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	2	1.4	0.1	1.4
(1,1165)	1:A:181:ARG:C	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	2	1.35	0.05	1.35
(1,1168)	1:D:181:ARG:C	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	2	1.35	0.05	1.35
(1,642)	1:B:93:SER:C	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	2	1.3	0.0	1.3
(1,643)	1:C:93:SER:C	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	2	1.3	0.0	1.3
(1,644)	1:D:93:SER:C	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	2	1.3	0.0	1.3
(1,1801)	1:A:297:HIS:N	1:A:297:HIS:CA	1:A:297:HIS:C	1:A:298:ILE:N	2	1.3	0.2	1.3
(1,1802)	1:B:297:HIS:N	1:B:297:HIS:CA	1:B:297:HIS:C	1:B:298:ILE:N	2	1.3	0.2	1.3
(1,1803)	1:C:297:HIS:N	1:C:297:HIS:CA	1:C:297:HIS:C	1:C:298:ILE:N	2	1.3	0.2	1.3
(1,1804)	1:D:297:HIS:N	1:D:297:HIS:CA	1:D:297:HIS:C	1:D:298:ILE:N	2	1.3	0.2	1.3
(1,157)	1:A:25:PRO:N	1:A:25:PRO:CA	1:A:25:PRO:C	1:A:26:ARG:N	2	1.25	0.05	1.25
(1,158)	1:B:25:PRO:N	1:B:25:PRO:CA	1:B:25:PRO:C	1:B:26:ARG:N	2	1.25	0.05	1.25
(1,159)	1:C:25:PRO:N	1:C:25:PRO:CA	1:C:25:PRO:C	1:C:26:ARG:N	2	1.25	0.05	1.25
(1,160)	1:D:25:PRO:N	1:D:25:PRO:CA	1:D:25:PRO:C	1:D:26:ARG:N	2	1.25	0.05	1.25
(1,641)	1:A:93:SER:C	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	2	1.25	0.05	1.25

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

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

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

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



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 (°)
(1,600)	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	1:D:85:GLY:N	7	38.6
(1,599)	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	1:C:85:GLY:N	7	38.6
(1,597)	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	1:A:85:GLY:N	7	38.6
(1,598)	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	1:B:85:GLY:N	7	38.5
(1,608)	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	1:D:86:ASP:N	7	37.7
(1,607)	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	1:C:86:ASP:N	7	37.7
(1,606)	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	1:B:86:ASP:N	7	37.7
(1,605)	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	1:A:86:ASP:N	7	37.7
(1,1717)	1:A:281:TRP:C	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	5	34.9
(1,1720)	1:D:281:TRP:C	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	5	34.8
(1,1719)	1:C:281:TRP:C	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	5	34.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1718)	1:B:281:TRP:C	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	5	34.8
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	1	32.3
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	1	32.2
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	1	32.2
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	1	32.2
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	8	32.1
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	8	32.1
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	8	32.1
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	8	32.1
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	5	30.3
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	5	30.3
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	5	30.3
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	5	30.3
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	4	29.8
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	4	29.7
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	4	29.7
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	4	29.7
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	6	29.3
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	6	29.3
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	6	29.3
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	6	29.3
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	7	29.1
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	7	29.1
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	7	29.1
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	7	29.1
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	4	28.1
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	4	28.1
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	4	28.1
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	4	28.1
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	9	28.0
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	9	28.0
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	9	28.0
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	9	28.0
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	10	27.4
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	10	27.4
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	10	27.4
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	10	27.3
(1,609)	1:A:85:GLY:C	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	7	26.4
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	3	26.4
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	8	26.4
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	3	26.4
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	8	26.4
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	3	26.4
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	8	26.4
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	3	26.4
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	8	26.4
(1,612)	1:D:85:GLY:C	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	7	26.3
(1,611)	1:C:85:GLY:C	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	7	26.3
(1,610)	1:B:85:GLY:C	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	7	26.3
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	7	26.1
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	7	26.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	7	26.0
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	7	26.0
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	7	24.9
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	7	24.9
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	7	24.9
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	7	24.9
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	7	24.8
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	7	24.8
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	7	24.7
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	7	24.7
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	5	24.6
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	5	24.6
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	5	24.5
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	5	24.5
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	2	24.2
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	2	24.2
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	2	24.2
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	2	24.2
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	2	23.7
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	2	23.7
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	2	23.7
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	2	23.7
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	2	23.6
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	2	23.6
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	2	23.6
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	2	23.6
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	9	23.5
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	8	23.5
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	8	23.5
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	8	23.5
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	8	23.5
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	9	23.4
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	9	23.4
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	9	23.4
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	8	23.4
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	8	23.4
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	8	23.4
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	8	23.4
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	8	23.4
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	8	23.4
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	8	23.4
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	8	23.4
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	3	22.8
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	3	22.8
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	3	22.8
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	3	22.8
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	9	22.0
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	9	22.0
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	9	22.0
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	9	22.0
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	6	21.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	10	21.9
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	6	21.9
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	10	21.9
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	6	21.9
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	10	21.9
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	6	21.9
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	10	21.9
(1,1368)	1:D:219:HIS:C	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	8	21.8
(1,1367)	1:C:219:HIS:C	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	8	21.8
(1,1366)	1:B:219:HIS:C	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	8	21.8
(1,1365)	1:A:219:HIS:C	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	8	21.8
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	6	21.6
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	6	21.6
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	10	21.6
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	6	21.6
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	6	21.6
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	5	21.5
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	5	21.5
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	5	21.5
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	5	21.5
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	4	21.5
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	10	21.5
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	4	21.5
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	4	21.5
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	10	21.5
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	4	21.5
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	10	21.5
(1,1584)	1:D:263:THR:C	1:D:264:THR:N	1:D:264:THR:CA	1:D:264:THR:C	1	21.3
(1,1583)	1:C:263:THR:C	1:C:264:THR:N	1:C:264:THR:CA	1:C:264:THR:C	1	21.3
(1,1582)	1:B:263:THR:C	1:B:264:THR:N	1:B:264:THR:CA	1:B:264:THR:C	1	21.3
(1,1581)	1:A:263:THR:C	1:A:264:THR:N	1:A:264:THR:CA	1:A:264:THR:C	1	21.3
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	3	21.1
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	3	21.1
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	3	21.1
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	3	21.1
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	1	21.1
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	1	21.1
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	1	21.1
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	1	21.1
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	1	20.8
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	1	20.8
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	1	20.8
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	1	20.7
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	5	19.9
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	5	19.9
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	5	19.9
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	5	19.8
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	7	19.6
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	7	19.6
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	7	19.6
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	2	19.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	2	19.5
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	2	19.5
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	2	19.5
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	7	19.5
(1,1596)	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	1:D:266:GLN:N	8	19.4
(1,1595)	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	1:C:266:GLN:N	8	19.4
(1,1594)	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	1:B:266:GLN:N	8	19.4
(1,1593)	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	1:A:266:GLN:N	8	19.4
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	9	19.2
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	9	19.2
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	9	19.1
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	9	19.1
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	4	18.9
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	4	18.8
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	4	18.8
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	4	18.8
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	8	18.7
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	8	18.6
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	8	18.6
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	8	18.6
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	6	18.6
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	6	18.6
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	6	18.6
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	6	18.6
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	2	18.5
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	2	18.5
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	2	18.5
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	2	18.5
(1,1580)	1:D:263:THR:N	1:D:263:THR:CA	1:D:263:THR:C	1:D:264:THR:N	7	18.5
(1,1579)	1:C:263:THR:N	1:C:263:THR:CA	1:C:263:THR:C	1:C:264:THR:N	7	18.5
(1,1578)	1:B:263:THR:N	1:B:263:THR:CA	1:B:263:THR:C	1:B:264:THR:N	7	18.5
(1,1577)	1:A:263:THR:N	1:A:263:THR:CA	1:A:263:THR:C	1:A:264:THR:N	7	18.5
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	7	18.4
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	7	18.4
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	7	18.4
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	7	18.4
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	5	18.2
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	5	18.2
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	5	18.1
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	5	18.1
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	2	18.0
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	2	18.0
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	2	18.0
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	2	18.0
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	6	17.9
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	6	17.9
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	6	17.9
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	6	17.9
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	8	17.9
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	8	17.9
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	3	17.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	8	17.8
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	8	17.8
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	2	17.8
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	5	17.8
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	2	17.8
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	5	17.8
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	2	17.8
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	5	17.8
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	2	17.8
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	3	17.8
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	3	17.8
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	3	17.8
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	5	17.7
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	10	17.7
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	5	17.7
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	5	17.7
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	10	17.7
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	5	17.7
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	10	17.7
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	5	17.7
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	2	17.7
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	2	17.7
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	2	17.7
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	2	17.7
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	10	17.6
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	7	17.5
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	7	17.5
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	7	17.5
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	7	17.4
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	3	17.4
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	3	17.4
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	3	17.4
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	9	17.4
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	9	17.4
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	3	17.3
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	3	17.3
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	3	17.3
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	3	17.3
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	3	17.3
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	9	17.3
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	9	17.3
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	3	17.3
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	3	17.3
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	3	17.3
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	8	17.3
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	8	17.3
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	8	17.2
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	8	17.2
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	8	17.2
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	8	17.2
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	4	17.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	4	17.2
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	4	17.2
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	4	17.2
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	3	17.2
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	8	17.2
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	8	17.2
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	7	17.1
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	7	17.1
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	7	17.1
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	7	17.1
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	10	17.1
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	10	17.1
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	10	17.1
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	10	17.1
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	3	17.0
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	3	17.0
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	3	17.0
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	9	17.0
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	9	17.0
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	9	17.0
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	9	17.0
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	6	17.0
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	6	17.0
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	6	17.0
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	6	17.0
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	3	16.9
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	2	16.9
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	2	16.9
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	2	16.9
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	2	16.9
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	9	16.9
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	9	16.9
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	9	16.9
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	7	16.8
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	4	16.8
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	4	16.8
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	4	16.8
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	6	16.8
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	6	16.8
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	6	16.8
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	6	16.8
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	9	16.8
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	7	16.7
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	7	16.7
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	7	16.7
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	4	16.7
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	1	16.4
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	1	16.4
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	1	16.4
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	1	16.4
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	10	16.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	1	16.3
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	1	16.3
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	1	16.3
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	1	16.3
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	9	16.3
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	9	16.3
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	9	16.3
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	9	16.3
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	10	16.3
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	10	16.3
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	10	16.2
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	8	16.1
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	8	16.1
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	8	16.1
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	8	16.1
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	2	16.0
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	2	16.0
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	2	16.0
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	2	16.0
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	2	15.9
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	2	15.9
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	2	15.9
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	2	15.9
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	6	15.8
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	6	15.8
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	6	15.8
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	6	15.8
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	7	15.8
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	7	15.8
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	7	15.8
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	7	15.8
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	2	15.8
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	2	15.8
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	2	15.8
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	2	15.8
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	10	15.7
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	10	15.7
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	10	15.7
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	10	15.7
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	10	15.7
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	10	15.7
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	10	15.7
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	10	15.7
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	1	15.6
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	1	15.6
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	8	15.6
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	8	15.6
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	8	15.6
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	5	15.6
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	5	15.6
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	5	15.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	5	15.6
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	10	15.6
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	1	15.5
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	1	15.5
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	8	15.5
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	10	15.5
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	5	15.5
(1,166)	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1:B:28:GLY:N	10	15.5
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	10	15.5
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	8	15.5
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	8	15.5
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	10	15.5
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	10	15.5
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	10	15.5
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	10	15.5
(1,168)	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1:D:28:GLY:N	5	15.4
(1,167)	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1:C:28:GLY:N	5	15.4
(1,165)	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1:A:28:GLY:N	5	15.4
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	8	15.4
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	8	15.4
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1	15.4
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1	15.4
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1	15.4
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	7	15.3
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	7	15.3
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	7	15.3
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	7	15.3
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1	15.3
(1,1726)	1:B:282:HIS:C	1:B:283:HIS:N	1:B:283:HIS:CA	1:B:283:HIS:C	5	15.2
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	6	15.1
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	6	15.1
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	6	15.1
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	6	15.1
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	7	15.1
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	7	15.1
(1,1728)	1:D:282:HIS:C	1:D:283:HIS:N	1:D:283:HIS:CA	1:D:283:HIS:C	5	15.1
(1,1727)	1:C:282:HIS:C	1:C:283:HIS:N	1:C:283:HIS:CA	1:C:283:HIS:C	5	15.1
(1,1725)	1:A:282:HIS:C	1:A:283:HIS:N	1:A:283:HIS:CA	1:A:283:HIS:C	5	15.1
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	5	15.1
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	5	15.1
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	5	15.1
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	5	15.1
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	6	15.1
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	6	15.1
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	6	15.1
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	6	15.1
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	6	15.1
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	6	15.1
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	6	15.1
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	6	15.1
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	7	15.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	7	15.0
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	9	15.0
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	9	15.0
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	9	15.0
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	9	15.0
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	5	15.0
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	5	15.0
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	5	15.0
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	4	15.0
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	9	14.9
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	9	14.9
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	9	14.9
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	9	14.9
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	5	14.9
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	4	14.9
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	4	14.9
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	4	14.9
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	3	14.8
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	3	14.8
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	3	14.8
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	7	14.8
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	3	14.7
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	3	14.7
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	3	14.7
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	3	14.7
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	3	14.7
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	7	14.7
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	7	14.7
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	7	14.7
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	1	14.6
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	1	14.6
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	1	14.6
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	1	14.6
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	3	14.6
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	3	14.6
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	3	14.6
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	3	14.6
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	7	14.6
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	7	14.6
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	7	14.6
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	7	14.6
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	8	14.6
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	7	14.6
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	8	14.6
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	8	14.6
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	7	14.6
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	8	14.6
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	1	14.6
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	1	14.6
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	7	14.5
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	7	14.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	3	14.5
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	3	14.5
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	3	14.5
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	3	14.5
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	1	14.5
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	1	14.5
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	4	14.4
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	4	14.3
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	4	14.3
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	4	14.3
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	5	14.2
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	5	14.2
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	5	14.1
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	5	14.1
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	3	14.0
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	3	14.0
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	3	14.0
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	3	14.0
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	7	14.0
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	7	14.0
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	7	14.0
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	8	14.0
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	7	13.9
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	8	13.9
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	8	13.9
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	8	13.9
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	5	13.9
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	5	13.9
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	5	13.9
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	5	13.9
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	9	13.8
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	9	13.8
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	9	13.8
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	9	13.8
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	10	13.8
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	10	13.8
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	10	13.8
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	10	13.8
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	9	13.8
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	9	13.8
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	9	13.8
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	9	13.8
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	4	13.8
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	4	13.8
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	4	13.8
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	4	13.8
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	4	13.7
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	4	13.7
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	6	13.7
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	6	13.7
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	6	13.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	6	13.7
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	5	13.6
(1,1924)	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	1:D:200:SER:N	2	13.6
(1,1923)	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	1:C:200:SER:N	2	13.6
(1,1922)	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	1:B:200:SER:N	2	13.6
(1,1921)	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	1:A:200:SER:N	2	13.6
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	4	13.6
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	6	13.6
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	4	13.6
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	6	13.6
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	6	13.6
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	6	13.6
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	5	13.6
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	5	13.6
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	5	13.5
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	5	13.5
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	5	13.5
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	5	13.5
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	5	13.5
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	7	13.5
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	7	13.5
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	7	13.5
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	7	13.5
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	3	13.4
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	7	13.4
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	9	13.4
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	7	13.4
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	9	13.4
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	7	13.4
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	9	13.4
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	7	13.4
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	1	13.4
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	1	13.4
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	1	13.4
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	1	13.4
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	8	13.4
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	8	13.4
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	3	13.4
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	3	13.4
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	9	13.3
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	8	13.3
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	8	13.3
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	8	13.3
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	8	13.3
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	1	13.3
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	3	13.3
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	6	13.3
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	6	13.3
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	6	13.3
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	6	13.3
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	8	13.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	8	13.3
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	4	13.2
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	4	13.2
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	4	13.2
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	4	13.2
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	9	13.2
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	9	13.2
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	9	13.2
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	1	13.2
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	1	13.2
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	1	13.2
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	9	13.1
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	1	13.1
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	5	13.1
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	5	13.1
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	5	13.1
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	5	13.1
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	1	13.0
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	1	13.0
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	1	13.0
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	10	13.0
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	10	13.0
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	10	13.0
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	10	13.0
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	9	13.0
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	4	12.9
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	4	12.9
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	4	12.9
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	4	12.9
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	7	12.9
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	7	12.9
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	7	12.9
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	7	12.9
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	9	12.9
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	9	12.9
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	9	12.9
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	10	12.8
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	10	12.8
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	10	12.8
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	10	12.8
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	8	12.8
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	8	12.8
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	9	12.8
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	9	12.8
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	7	12.7
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	7	12.7
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	7	12.7
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	8	12.7
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	8	12.7
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	9	12.7
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	9	12.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	6	12.7
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	6	12.7
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	6	12.7
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	6	12.7
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	8	12.6
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	8	12.6
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	8	12.6
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	8	12.6
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	10	12.6
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	10	12.6
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	10	12.6
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	10	12.6
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	3	12.6
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	7	12.6
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	4	12.6
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	4	12.6
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	4	12.6
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	4	12.6
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	10	12.5
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	10	12.5
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	10	12.5
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	10	12.5
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	3	12.5
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	3	12.5
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	3	12.5
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	4	12.5
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	6	12.4
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	10	12.4
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	6	12.4
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	6	12.4
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	10	12.4
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	6	12.4
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	4	12.4
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	4	12.4
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	4	12.4
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	1	12.4
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	1	12.4
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	1	12.4
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	1	12.4
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	8	12.3
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	8	12.3
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	10	12.3
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	10	12.3
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	8	12.2
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	8	12.2
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	1	12.2
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	1	12.2
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	6	12.2
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	6	12.2
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	6	12.2
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	6	12.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	1	12.1
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	1	12.1
(1,1729)	1:A:283:HIS:N	1:A:283:HIS:CA	1:A:283:HIS:C	1:A:284:ARG:N	5	12.0
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	3	12.0
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	3	12.0
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	3	12.0
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	3	12.0
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	1	11.9
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	1	11.9
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	1	11.9
(1,1732)	1:D:283:HIS:N	1:D:283:HIS:CA	1:D:283:HIS:C	1:D:284:ARG:N	5	11.9
(1,1731)	1:C:283:HIS:N	1:C:283:HIS:CA	1:C:283:HIS:C	1:C:284:ARG:N	5	11.9
(1,1730)	1:B:283:HIS:N	1:B:283:HIS:CA	1:B:283:HIS:C	1:B:284:ARG:N	5	11.9
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	7	11.9
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	7	11.9
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	7	11.9
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	8	11.9
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	8	11.9
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	2	11.8
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	2	11.8
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	1	11.8
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	2	11.8
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	2	11.8
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	7	11.8
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	7	11.8
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	7	11.8
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	7	11.8
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	7	11.8
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	4	11.8
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	4	11.8
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	8	11.8
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	8	11.8
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	6	11.7
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	6	11.7
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	6	11.7
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	6	11.7
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	3	11.7
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	4	11.7
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	4	11.7
(1,1920)	1:D:198:GLU:C	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	7	11.6
(1,1917)	1:A:198:GLU:C	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	7	11.6
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	3	11.6
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	3	11.6
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	3	11.6
(1,1919)	1:C:198:GLU:C	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	7	11.5
(1,1918)	1:B:198:GLU:C	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	7	11.5
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	6	11.5
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	6	11.5
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	6	11.5
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	6	11.5
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	1	11.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	10	11.4
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	10	11.4
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	10	11.4
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	10	11.4
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	4	11.4
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	10	11.4
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	4	11.4
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	4	11.4
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	4	11.4
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	6	11.4
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	6	11.4
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	6	11.4
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	6	11.4
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	10	11.4
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	10	11.4
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	10	11.4
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	10	11.4
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	1	11.3
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	1	11.3
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	1	11.3
(1,1996)	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	1:D:262:GLU:N	8	11.3
(1,1994)	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	1:B:262:GLU:N	8	11.3
(1,1993)	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	1:A:262:GLU:N	8	11.3
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	2	11.3
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	2	11.3
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	2	11.3
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	2	11.3
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	10	11.3
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	10	11.3
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	10	11.3
(1,1388)	1:D:222:PHE:N	1:D:222:PHE:CA	1:D:222:PHE:C	1:D:223:LEU:N	8	11.3
(1,1387)	1:C:222:PHE:N	1:C:222:PHE:CA	1:C:222:PHE:C	1:C:223:LEU:N	8	11.3
(1,1386)	1:B:222:PHE:N	1:B:222:PHE:CA	1:B:222:PHE:C	1:B:223:LEU:N	8	11.3
(1,1385)	1:A:222:PHE:N	1:A:222:PHE:CA	1:A:222:PHE:C	1:A:223:LEU:N	8	11.3
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	3	11.2
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	2	11.2
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	2	11.2
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	2	11.2
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	2	11.2
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	2	11.2
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	2	11.2
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	2	11.2
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	2	11.2
(1,1995)	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	1:C:262:GLU:N	8	11.2
(1,1484)	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1:D:242:THR:N	5	11.2
(1,1483)	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1:C:242:THR:N	5	11.2
(1,1482)	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1:B:242:THR:N	5	11.2
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	2	11.1
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	2	11.1
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	2	11.1
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	2	11.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	4	11.1
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	4	11.1
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	3	11.1
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	6	11.1
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	3	11.1
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	6	11.1
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	6	11.1
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	3	11.1
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	6	11.1
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	4	11.1
(1,1481)	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1:A:242:THR:N	5	11.1
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	4	11.0
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	9	11.0
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	9	11.0
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	9	11.0
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	9	11.0
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	8	11.0
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	8	11.0
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	8	11.0
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	8	11.0
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	1	10.9
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	3	10.9
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	3	10.9
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	3	10.9
(1,1898)	1:B:116:MET:N	1:B:116:MET:CA	1:B:116:MET:C	1:B:117:HIS:N	5	10.9
(1,1897)	1:A:116:MET:N	1:A:116:MET:CA	1:A:116:MET:C	1:A:117:HIS:N	5	10.9
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	3	10.9
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	3	10.9
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	3	10.9
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	3	10.9
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	1	10.8
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	1	10.8
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	1	10.8
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	3	10.8
(1,1900)	1:D:116:MET:N	1:D:116:MET:CA	1:D:116:MET:C	1:D:117:HIS:N	5	10.8
(1,1899)	1:C:116:MET:N	1:C:116:MET:CA	1:C:116:MET:C	1:C:117:HIS:N	5	10.8
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	8	10.8
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	8	10.8
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	2	10.7
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	2	10.7
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	2	10.7
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	2	10.7
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1	10.7
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1	10.7
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1	10.7
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1	10.7
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	8	10.7
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	8	10.7
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	5	10.7
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	5	10.7
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	5	10.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	5	10.7
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	5	10.6
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	5	10.6
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	10	10.6
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	10	10.6
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	5	10.5
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	5	10.5
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	7	10.5
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	7	10.5
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	7	10.5
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	7	10.5
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	6	10.5
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	6	10.5
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	6	10.5
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	6	10.5
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	10	10.5
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	10	10.5
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	4	10.5
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	4	10.5
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	4	10.5
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	4	10.5
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	3	10.4
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	3	10.4
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	3	10.4
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	6	10.4
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	6	10.4
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	5	10.4
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	5	10.4
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	5	10.4
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	5	10.4
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	6	10.4
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	6	10.4
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	1	10.4
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	1	10.4
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	7	10.4
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	9	10.4
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	9	10.4
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	9	10.4
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	9	10.4
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	5	10.4
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	5	10.4
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	5	10.4
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	9	10.4
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	9	10.4
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	9	10.4
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	9	10.4
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	3	10.3
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	3	10.3
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	3	10.3
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	6	10.3
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	6	10.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	6	10.3
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	6	10.3
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	3	10.3
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	3	10.3
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	1	10.3
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	4	10.3
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	1	10.3
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	4	10.3
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	7	10.3
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	7	10.3
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	7	10.3
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	5	10.3
(1,616)	1:D:86:ASP:N	1:D:86:ASP:CA	1:D:86:ASP:C	1:D:87:ALA:N	9	10.2
(1,615)	1:C:86:ASP:N	1:C:86:ASP:CA	1:C:86:ASP:C	1:C:87:ALA:N	9	10.2
(1,614)	1:B:86:ASP:N	1:B:86:ASP:CA	1:B:86:ASP:C	1:B:87:ALA:N	9	10.2
(1,613)	1:A:86:ASP:N	1:A:86:ASP:CA	1:A:86:ASP:C	1:A:87:ALA:N	9	10.2
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	4	10.2
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	4	10.2
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	2	10.2
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	2	10.2
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	2	10.2
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	2	10.2
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	8	10.2
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	8	10.2
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	8	10.2
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	8	10.2
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	3	10.1
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	3	10.1
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	3	10.1
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	3	10.1
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	9	10.1
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	9	10.1
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	1	10.1
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	1	10.1
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	1	10.1
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1	10.1
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1	10.1
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1	10.1
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1	10.1
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	7	10.0
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	7	10.0
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	7	10.0
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	7	10.0
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	9	10.0
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	9	10.0
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1	10.0
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	1	10.0
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	9	9.9
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	9	9.9
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	9	9.9
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	9	9.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	2	9.9
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	2	9.9
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	2	9.9
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	2	9.9
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1	9.9
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1	9.9
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1	9.9
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	9	9.9
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	9	9.9
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	9	9.9
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	3	9.9
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	9	9.8
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	9	9.8
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	3	9.8
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	9	9.7
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	9	9.7
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	9	9.7
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	9	9.7
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	9	9.7
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	9	9.7
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	9	9.7
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	3	9.7
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	3	9.7
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	2	9.6
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	2	9.6
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	2	9.6
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	2	9.6
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	7	9.6
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	7	9.6
(1,1192)	1:D:184:VAL:C	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	7	9.6
(1,1190)	1:B:184:VAL:C	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	7	9.6
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	5	9.5
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	5	9.5
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	5	9.5
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	5	9.5
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	7	9.5
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	7	9.5
(1,1191)	1:C:184:VAL:C	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	7	9.5
(1,1189)	1:A:184:VAL:C	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	7	9.5
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	4	9.4
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	4	9.4
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	4	9.4
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	4	9.4
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	1	9.4
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	1	9.4
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	1	9.4
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	4	9.4
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	4	9.4
(1,1396)	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1:D:224:LEU:N	2	9.4
(1,1395)	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1:C:224:LEU:N	2	9.4
(1,1394)	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1:B:224:LEU:N	2	9.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1393)	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1:A:224:LEU:N	2	9.4
(1,1180)	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	1:D:184:VAL:N	10	9.4
(1,1179)	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	1:C:184:VAL:N	10	9.4
(1,1178)	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	1:B:184:VAL:N	10	9.4
(1,1177)	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	1:A:184:VAL:N	10	9.4
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	8	9.3
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	1	9.3
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	4	9.3
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	4	9.3
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	9	9.3
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	9	9.3
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	9	9.3
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	8	9.3
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	8	9.3
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	2	9.2
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	2	9.2
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	2	9.2
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	2	9.2
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	9	9.2
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	8	9.2
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	4	9.1
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	4	9.1
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	4	9.1
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	4	9.1
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	4	9.1
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	4	9.1
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	3	9.1
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	3	9.1
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	1	9.1
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	1	9.1
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	10	9.1
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	1	9.1
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	10	9.1
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	1	9.1
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	10	9.1
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	4	9.0
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	7	9.0
(1,590)	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	1:B:84:LEU:N	5	9.0
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	7	9.0
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	6	9.0
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	6	9.0
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	6	9.0
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	6	9.0
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	9	9.0
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	3	9.0
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	7	9.0
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	3	9.0
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	7	9.0
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	3	9.0
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	7	9.0
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	3	9.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	7	9.0
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	4	9.0
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	4	9.0
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	4	9.0
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	4	9.0
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	4	9.0
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	5	9.0
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	5	9.0
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	5	9.0
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	9	9.0
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	9	9.0
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	3	9.0
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	3	9.0
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	10	9.0
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	7	8.9
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	7	8.9
(1,592)	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	1:D:84:LEU:N	5	8.9
(1,591)	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	1:C:84:LEU:N	5	8.9
(1,589)	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	1:A:84:LEU:N	5	8.9
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	5	8.9
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	9	8.9
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	9	8.9
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	9	8.9
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	6	8.9
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	6	8.9
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	6	8.9
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	6	8.9
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	5	8.9
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	9	8.9
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	9	8.9
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	7	8.9
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	7	8.9
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	7	8.9
(1,1156)	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1:D:180:ALA:N	2	8.9
(1,1155)	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1:C:180:ALA:N	2	8.9
(1,1154)	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1:B:180:ALA:N	2	8.9
(1,1153)	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1:A:180:ALA:N	2	8.9
(1,1012)	1:D:156:ILE:N	1:D:156:ILE:CA	1:D:156:ILE:C	1:D:157:MET:N	7	8.9
(1,1011)	1:C:156:ILE:N	1:C:156:ILE:CA	1:C:156:ILE:C	1:C:157:MET:N	7	8.9
(1,1009)	1:A:156:ILE:N	1:A:156:ILE:CA	1:A:156:ILE:C	1:A:157:MET:N	7	8.9
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	10	8.8
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	10	8.8
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	10	8.8
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	10	8.8
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	10	8.8
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	10	8.8
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	10	8.8
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	5	8.8
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	5	8.8
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	5	8.8
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	7	8.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	5	8.8
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	5	8.8
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	5	8.8
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	5	8.8
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	4	8.8
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	4	8.8
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	4	8.8
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	4	8.8
(1,1010)	1:B:156:ILE:N	1:B:156:ILE:CA	1:B:156:ILE:C	1:B:157:MET:N	7	8.8
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	10	8.7
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	4	8.7
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	4	8.7
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	4	8.7
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	4	8.7
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	5	8.7
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	5	8.7
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	5	8.7
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	5	8.7
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	10	8.7
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	10	8.7
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	10	8.7
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	7	8.6
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	8	8.6
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	8	8.6
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	8	8.6
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	8	8.6
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	10	8.6
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	10	8.6
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	2	8.6
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	2	8.6
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	2	8.6
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	2	8.6
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	5	8.6
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	5	8.6
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	5	8.6
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	5	8.6
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	2	8.6
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	2	8.6
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	2	8.6
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	2	8.6
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	10	8.6
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	5	8.6
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	5	8.6
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	9	8.6
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	9	8.6
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	9	8.6
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	9	8.6
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	7	8.6
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	7	8.6
(1,1012)	1:D:156:ILE:N	1:D:156:ILE:CA	1:D:156:ILE:C	1:D:157:MET:N	6	8.6
(1,1011)	1:C:156:ILE:N	1:C:156:ILE:CA	1:C:156:ILE:C	1:C:157:MET:N	6	8.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1010)	1:B:156:ILE:N	1:B:156:ILE:CA	1:B:156:ILE:C	1:B:157:MET:N	6	8.6
(1,1009)	1:A:156:ILE:N	1:A:156:ILE:CA	1:A:156:ILE:C	1:A:157:MET:N	6	8.6
(1,392)	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	1:D:59:SER:N	4	8.5
(1,391)	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	1:C:59:SER:N	4	8.5
(1,390)	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	1:B:59:SER:N	4	8.5
(1,389)	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	1:A:59:SER:N	4	8.5
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	10	8.5
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	10	8.5
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	4	8.5
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	5	8.5
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	4	8.5
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	5	8.5
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	4	8.5
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	5	8.5
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	4	8.5
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	5	8.5
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	5	8.5
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	5	8.5
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	10	8.5
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	10	8.5
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	5	8.5
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	10	8.5
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	10	8.5
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	1	8.5
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	5	8.5
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	1	8.5
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	7	8.5
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	1	8.4
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	5	8.4
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	5	8.4
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	5	8.4
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	5	8.4
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	5	8.4
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	5	8.4
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	1	8.4
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	6	8.3
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	6	8.3
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	6	8.3
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	6	8.3
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	6	8.3
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	9	8.3
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	9	8.3
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	3	8.3
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	3	8.3
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	3	8.3
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	3	8.3
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	8	8.3
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	8	8.3
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	8	8.3
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	8	8.3
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	6	8.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1190)	1:B:184:VAL:C	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	3	8.3
(1,1189)	1:A:184:VAL:C	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	3	8.3
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	9	8.3
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	9	8.3
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	9	8.3
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	9	8.3
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	6	8.3
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	6	8.3
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	1	8.2
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	9	8.2
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	9	8.2
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	1	8.2
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	1	8.2
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	1	8.2
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	1	8.2
(1,1920)	1:D:198:GLU:C	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	2	8.2
(1,1919)	1:C:198:GLU:C	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	2	8.2
(1,1918)	1:B:198:GLU:C	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	2	8.2
(1,1917)	1:A:198:GLU:C	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	2	8.2
(1,1192)	1:D:184:VAL:C	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	3	8.2
(1,1191)	1:C:184:VAL:C	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	3	8.2
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	2	8.2
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	2	8.2
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	2	8.2
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	2	8.2
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	1	8.1
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	1	8.1
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	1	8.1
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1	8.1
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1	8.1
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1	8.1
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1	8.1
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	1	8.1
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	1	8.1
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	1	8.1
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	1	8.1
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	2	8.0
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	9	8.0
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	9	8.0
(1,1932)	1:D:205:SER:N	1:D:205:SER:CA	1:D:205:SER:C	1:D:206:LEU:N	2	8.0
(1,1931)	1:C:205:SER:N	1:C:205:SER:CA	1:C:205:SER:C	1:C:206:LEU:N	2	8.0
(1,1930)	1:B:205:SER:N	1:B:205:SER:CA	1:B:205:SER:C	1:B:206:LEU:N	2	8.0
(1,1929)	1:A:205:SER:N	1:A:205:SER:CA	1:A:205:SER:C	1:A:206:LEU:N	2	8.0
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	2	8.0
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	2	8.0
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	2	8.0
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	2	8.0
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	3	8.0
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	3	8.0
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	3	8.0
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	3	8.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	10	8.0
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	10	8.0
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	10	8.0
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	10	8.0
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	7	8.0
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	7	8.0
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	7	8.0
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	3	8.0
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	3	8.0
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	3	8.0
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	3	8.0
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	2	8.0
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	2	8.0
(1,1011)	1:C:156:ILE:N	1:C:156:ILE:CA	1:C:156:ILE:C	1:C:157:MET:N	3	8.0
(1,1010)	1:B:156:ILE:N	1:B:156:ILE:CA	1:B:156:ILE:C	1:B:157:MET:N	3	8.0
(1,1009)	1:A:156:ILE:N	1:A:156:ILE:CA	1:A:156:ILE:C	1:A:157:MET:N	3	8.0
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	4	8.0
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	4	8.0
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	4	8.0
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	2	8.0
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	9	7.9
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	9	7.9
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	4	7.9
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	4	7.9
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	4	7.9
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	3	7.9
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	3	7.9
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	3	7.9
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	3	7.9
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	3	7.9
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	3	7.9
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	3	7.9
(1,1932)	1:D:205:SER:N	1:D:205:SER:CA	1:D:205:SER:C	1:D:206:LEU:N	7	7.9
(1,1931)	1:C:205:SER:N	1:C:205:SER:CA	1:C:205:SER:C	1:C:206:LEU:N	7	7.9
(1,1930)	1:B:205:SER:N	1:B:205:SER:CA	1:B:205:SER:C	1:B:206:LEU:N	7	7.9
(1,1929)	1:A:205:SER:N	1:A:205:SER:CA	1:A:205:SER:C	1:A:206:LEU:N	7	7.9
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	1	7.9
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	7	7.9
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	7	7.9
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	7	7.9
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	8	7.9
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	4	7.9
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	4	7.9
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	4	7.9
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	4	7.9
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	5	7.9
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	5	7.9
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	5	7.9
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	5	7.9
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	5	7.9
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	5	7.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	7	7.9
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	8	7.9
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	8	7.9
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	8	7.9
(1,1012)	1:D:156:ILE:N	1:D:156:ILE:CA	1:D:156:ILE:C	1:D:157:MET:N	3	7.9
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	4	7.9
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	4	7.8
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	4	7.8
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	3	7.8
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	10	7.8
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	1	7.8
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	1	7.8
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	1	7.8
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	7	7.8
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	8	7.8
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	8	7.8
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	8	7.8
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	5	7.8
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	5	7.8
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	5	7.8
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	5	7.8
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	5	7.8
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	5	7.8
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	5	7.8
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	5	7.8
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	4	7.8
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	4	7.8
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	4	7.8
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	4	7.8
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	4	7.8
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	8	7.8
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	9	7.7
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	10	7.7
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	10	7.7
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	10	7.7
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	7	7.7
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	7	7.7
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	7	7.7
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	7	7.7
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	6	7.7
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	6	7.7
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	6	7.7
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	6	7.7
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	2	7.7
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	2	7.7
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	5	7.7
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	2	7.7
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	2	7.7
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	5	7.7
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	4	7.7
(1,1032)	1:D:160:ARG:C	1:D:161:HIS:N	1:D:161:HIS:CA	1:D:161:HIS:C	7	7.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1031)	1:C:160:ARG:C	1:C:161:HIS:N	1:C:161:HIS:CA	1:C:161:HIS:C	7	7.7
(1,1030)	1:B:160:ARG:C	1:B:161:HIS:N	1:B:161:HIS:CA	1:B:161:HIS:C	7	7.7
(1,1029)	1:A:160:ARG:C	1:A:161:HIS:N	1:A:161:HIS:CA	1:A:161:HIS:C	7	7.7
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	4	7.7
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1	7.6
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1	7.6
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1	7.6
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1	7.6
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	9	7.6
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	9	7.6
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	9	7.6
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	10	7.6
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	10	7.6
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	1	7.6
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	1	7.6
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	1	7.6
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	6	7.6
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	6	7.6
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	6	7.6
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	6	7.6
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	8	7.6
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	8	7.6
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	8	7.5
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	8	7.5
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	8	7.5
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	8	7.5
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	2	7.5
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	2	7.5
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	2	7.5
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	2	7.5
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	10	7.5
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	10	7.5
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	10	7.5
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	10	7.5
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	1	7.5
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	6	7.5
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	6	7.5
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	6	7.5
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	6	7.5
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	6	7.5
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	6	7.5
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	6	7.5
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	6	7.5
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	8	7.5
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	8	7.5
(1,988)	1:D:151:ARG:N	1:D:151:ARG:CA	1:D:151:ARG:C	1:D:152:PRO:N	6	7.4
(1,987)	1:C:151:ARG:N	1:C:151:ARG:CA	1:C:151:ARG:C	1:C:152:PRO:N	6	7.4
(1,986)	1:B:151:ARG:N	1:B:151:ARG:CA	1:B:151:ARG:C	1:B:152:PRO:N	6	7.4
(1,985)	1:A:151:ARG:N	1:A:151:ARG:CA	1:A:151:ARG:C	1:A:152:PRO:N	6	7.4
(1,87)	1:C:14:PHE:N	1:C:14:PHE:CA	1:C:14:PHE:C	1:C:15:ALA:N	10	7.4
(1,86)	1:B:14:PHE:N	1:B:14:PHE:CA	1:B:14:PHE:C	1:B:15:ALA:N	10	7.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,85)	1:A:14:PHE:N	1:A:14:PHE:CA	1:A:14:PHE:C	1:A:15:ALA:N	10	7.4
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	5	7.4
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	5	7.4
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	5	7.4
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	5	7.4
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	4	7.4
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	4	7.4
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	4	7.4
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	3	7.4
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	3	7.4
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	4	7.4
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	4	7.4
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	10	7.4
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	10	7.4
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	1	7.4
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	10	7.4
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	10	7.4
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	10	7.4
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	10	7.4
(1,88)	1:D:14:PHE:N	1:D:14:PHE:CA	1:D:14:PHE:C	1:D:15:ALA:N	10	7.3
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	3	7.3
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	3	7.3
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	4	7.3
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	3	7.3
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	3	7.3
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	1	7.3
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	1	7.3
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	1	7.3
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	4	7.3
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	1	7.3
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	4	7.3
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	2	7.3
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	2	7.3
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	2	7.3
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	2	7.3
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	1	7.3
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	1	7.3
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	1	7.3
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	10	7.3
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	10	7.3
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	1	7.2
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	1	7.2
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	1	7.2
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	1	7.2
(1,584)	1:D:82:TYR:N	1:D:82:TYR:CA	1:D:82:TYR:C	1:D:83:GLN:N	7	7.2
(1,583)	1:C:82:TYR:N	1:C:82:TYR:CA	1:C:82:TYR:C	1:C:83:GLN:N	7	7.2
(1,582)	1:B:82:TYR:N	1:B:82:TYR:CA	1:B:82:TYR:C	1:B:83:GLN:N	7	7.2
(1,581)	1:A:82:TYR:N	1:A:82:TYR:CA	1:A:82:TYR:C	1:A:83:GLN:N	7	7.2
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	2	7.2
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	2	7.2
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	2	7.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	2	7.2
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	3	7.2
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	3	7.2
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	7	7.2
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	7	7.2
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	7	7.2
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	9	7.2
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	9	7.2
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	9	7.2
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	9	7.2
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	3	7.2
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	3	7.2
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	10	7.2
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	3	7.2
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	3	7.2
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	10	7.2
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	10	7.2
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	10	7.2
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	10	7.2
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	10	7.2
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	8	7.2
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	8	7.2
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	8	7.1
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	8	7.1
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	7	7.1
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	8	7.1
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	2	7.1
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	2	7.1
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	2	7.1
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	2	7.1
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	1	7.1
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	1	7.1
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	1	7.1
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	10	7.1
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	7	7.1
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	7	7.1
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	7	7.1
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	4	7.1
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	4	7.1
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	4	7.1
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	4	7.1
(1,1192)	1:D:184:VAL:C	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	6	7.1
(1,1191)	1:C:184:VAL:C	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	6	7.1
(1,1190)	1:B:184:VAL:C	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	6	7.1
(1,1189)	1:A:184:VAL:C	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	6	7.1
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	10	7.1
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	10	7.1
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	10	7.1
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	10	7.1
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	8	7.1
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	8	7.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	7	7.0
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	7	7.0
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	7	7.0
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	8	7.0
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	8	7.0
(1,244)	1:D:38:VAL:C	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	5	7.0
(1,243)	1:C:38:VAL:C	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	5	7.0
(1,241)	1:A:38:VAL:C	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	5	7.0
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	8	7.0
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	8	7.0
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	1	7.0
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	1	7.0
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	2	7.0
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	1	7.0
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	2	7.0
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	2	7.0
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	2	7.0
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	1	7.0
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	1	7.0
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	10	7.0
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	7	7.0
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	7	7.0
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	7	7.0
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	7	7.0
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	7	7.0
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	8	7.0
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	8	7.0
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	8	7.0
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	7	7.0
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	8	7.0
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	6	7.0
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	6	7.0
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	6	7.0
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	6	7.0
(1,102)	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	1:B:17:ALA:N	4	7.0
(1,101)	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	1:A:17:ALA:N	4	7.0
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	8	6.9
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	8	6.9
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	8	6.9
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	8	6.9
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	7	6.9
(1,242)	1:B:38:VAL:C	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	5	6.9
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	8	6.9
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	2	6.9
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	2	6.9
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	2	6.9
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	2	6.9
(1,1476)	1:D:240:GLY:N	1:D:240:GLY:CA	1:D:240:GLY:C	1:D:241:GLU:N	2	6.9
(1,1475)	1:C:240:GLY:N	1:C:240:GLY:CA	1:C:240:GLY:C	1:C:241:GLU:N	2	6.9
(1,1474)	1:B:240:GLY:N	1:B:240:GLY:CA	1:B:240:GLY:C	1:B:241:GLU:N	2	6.9
(1,1473)	1:A:240:GLY:N	1:A:240:GLY:CA	1:A:240:GLY:C	1:A:241:GLU:N	2	6.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	10	6.9
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	10	6.9
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	6	6.9
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	6	6.9
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	6	6.9
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	6	6.9
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	8	6.9
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	8	6.9
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	8	6.9
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	8	6.9
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	7	6.9
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	7	6.9
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	7	6.9
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	8	6.9
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	8	6.9
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	8	6.9
(1,104)	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	1:D:17:ALA:N	4	6.9
(1,103)	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	1:C:17:ALA:N	4	6.9
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	9	6.8
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	10	6.8
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	10	6.8
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	9	6.8
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	9	6.8
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	8	6.8
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	8	6.8
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	8	6.8
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	8	6.8
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	4	6.8
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	5	6.8
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	5	6.8
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	5	6.8
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	5	6.8
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	2	6.8
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	2	6.8
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	2	6.8
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	2	6.8
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	10	6.8
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	2	6.8
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	2	6.8
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	2	6.8
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	2	6.8
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	8	6.8
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	1	6.8
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	1	6.8
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	1	6.8
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	5	6.7
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	5	6.7
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	5	6.7
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	5	6.7
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	9	6.7
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	9	6.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	9	6.7
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	10	6.7
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	10	6.7
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	9	6.7
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	9	6.7
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	4	6.7
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	6	6.7
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	4	6.7
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	6	6.7
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	4	6.7
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	6	6.7
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	4	6.7
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	6	6.7
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	7	6.7
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	4	6.7
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	7	6.7
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	4	6.7
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	7	6.7
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	4	6.7
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	7	6.7
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	6	6.7
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	6	6.7
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	6	6.7
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	6	6.7
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	10	6.7
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	10	6.7
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	10	6.7
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	1	6.7
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	4	6.7
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	1	6.7
(1,72)	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	1:D:13:SER:N	3	6.6
(1,70)	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	1:B:13:SER:N	3	6.6
(1,69)	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	1:A:13:SER:N	3	6.6
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	9	6.6
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	9	6.6
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	9	6.6
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	9	6.6
(1,372)	1:D:55:ALA:C	1:D:56:LEU:N	1:D:56:LEU:CA	1:D:56:LEU:C	2	6.6
(1,371)	1:C:55:ALA:C	1:C:56:LEU:N	1:C:56:LEU:CA	1:C:56:LEU:C	2	6.6
(1,370)	1:B:55:ALA:C	1:B:56:LEU:N	1:B:56:LEU:CA	1:B:56:LEU:C	2	6.6
(1,369)	1:A:55:ALA:C	1:A:56:LEU:N	1:A:56:LEU:CA	1:A:56:LEU:C	2	6.6
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	2	6.6
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	2	6.6
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	2	6.6
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	2	6.6
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	5	6.6
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	5	6.6
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	5	6.6
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	5	6.6
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	4	6.6
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	9	6.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	4	6.6
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	4	6.6
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	4	6.6
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	2	6.6
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	2	6.6
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	2	6.6
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	2	6.6
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	1	6.6
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	4	6.6
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	4	6.6
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	1	6.6
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	4	6.6
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	1	6.6
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	5	6.5
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	5	6.5
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	5	6.5
(1,71)	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	1:C:13:SER:N	3	6.5
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	8	6.5
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	6	6.5
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	6	6.5
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	6	6.5
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	6	6.5
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	2	6.5
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	2	6.5
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	9	6.5
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	2	6.5
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	9	6.5
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	2	6.5
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	4	6.5
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	4	6.5
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	4	6.5
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	3	6.5
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	3	6.5
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	3	6.5
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	3	6.5
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	5	6.4
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	3	6.4
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	3	6.4
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	3	6.4
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	3	6.4
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	4	6.4
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	4	6.4
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	4	6.4
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	4	6.4
(1,216)	1:D:35:THR:N	1:D:35:THR:CA	1:D:35:THR:C	1:D:36:ARG:N	6	6.4
(1,215)	1:C:35:THR:N	1:C:35:THR:CA	1:C:35:THR:C	1:C:36:ARG:N	6	6.4
(1,214)	1:B:35:THR:N	1:B:35:THR:CA	1:B:35:THR:C	1:B:36:ARG:N	6	6.4
(1,213)	1:A:35:THR:N	1:A:35:THR:CA	1:A:35:THR:C	1:A:36:ARG:N	6	6.4
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	8	6.4
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	8	6.4
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	8	6.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	3	6.4
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	3	6.4
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	3	6.4
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	3	6.4
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	7	6.4
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	5	6.4
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	9	6.4
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	4	6.4
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	6	6.4
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	6	6.4
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	6	6.4
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	6	6.4
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	4	6.3
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	4	6.3
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	3	6.3
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	3	6.3
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	8	6.3
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	8	6.3
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	8	6.3
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	8	6.3
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	2	6.3
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	2	6.3
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	10	6.3
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	2	6.3
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	2	6.3
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	10	6.3
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	1	6.3
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	1	6.3
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	1	6.3
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	1	6.3
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	10	6.3
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	10	6.3
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	10	6.3
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	8	6.3
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	10	6.3
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	1	6.3
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	8	6.3
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	10	6.3
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	1	6.3
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	8	6.3
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	8	6.3
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	7	6.3
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	7	6.3
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	7	6.3
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	5	6.3
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	5	6.3
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	5	6.3
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	9	6.3
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	9	6.3
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	5	6.3
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	5	6.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	5	6.3
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	5	6.3
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	10	6.3
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	10	6.3
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	10	6.3
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	10	6.3
(1,1184)	1:D:183:ASN:C	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	10	6.3
(1,1183)	1:C:183:ASN:C	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	10	6.3
(1,1182)	1:B:183:ASN:C	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	10	6.3
(1,1181)	1:A:183:ASN:C	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	10	6.3
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	4	6.3
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	4	6.3
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	4	6.3
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	4	6.3
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	4	6.2
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	4	6.2
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	3	6.2
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	3	6.2
(1,244)	1:D:38:VAL:C	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	9	6.2
(1,243)	1:C:38:VAL:C	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	9	6.2
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1	6.2
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1	6.2
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1	6.2
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	6	6.2
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	6	6.2
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	6	6.2
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	6	6.2
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	10	6.2
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	10	6.2
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	10	6.2
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	1	6.2
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	10	6.2
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	1	6.2
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	10	6.2
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	2	6.2
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	8	6.2
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	2	6.2
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	8	6.2
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	2	6.2
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	8	6.2
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	2	6.2
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	8	6.2
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	2	6.2
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	2	6.2
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	2	6.2
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	2	6.2
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	9	6.2
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	9	6.2
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	6	6.2
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	6	6.2
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	6	6.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	6	6.2
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	4	6.2
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	1	6.2
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	4	6.2
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	4	6.2
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	1	6.2
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	4	6.2
(1,242)	1:B:38:VAL:C	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	9	6.1
(1,241)	1:A:38:VAL:C	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	9	6.1
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	5	6.1
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	5	6.1
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	5	6.1
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	5	6.1
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1	6.1
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	2	6.1
(1,164)	1:D:26:ARG:C	1:D:27:GLY:N	1:D:27:GLY:CA	1:D:27:GLY:C	9	6.1
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	2	6.1
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	2	6.1
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	2	6.1
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	10	6.1
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	3	6.1
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	3	6.1
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	3	6.1
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	3	6.1
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	5	6.1
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	5	6.1
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	5	6.1
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	5	6.1
(1,1372)	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1:D:221:ILE:N	6	6.1
(1,1371)	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1:C:221:ILE:N	6	6.1
(1,1370)	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1:B:221:ILE:N	6	6.1
(1,1369)	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1:A:221:ILE:N	6	6.1
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	6	6.1
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	6	6.1
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	6	6.1
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	6	6.1
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	1	6.1
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	1	6.1
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	5	6.1
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	1	6.1
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	1	6.1
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	1	6.1
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	5	6.1
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	5	6.0
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	5	6.0
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	10	6.0
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	9	6.0
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	9	6.0
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	9	6.0
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	9	6.0
(1,163)	1:C:26:ARG:C	1:C:27:GLY:N	1:C:27:GLY:CA	1:C:27:GLY:C	9	6.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,162)	1:B:26:ARG:C	1:B:27:GLY:N	1:B:27:GLY:CA	1:B:27:GLY:C	9	6.0
(1,161)	1:A:26:ARG:C	1:A:27:GLY:N	1:A:27:GLY:CA	1:A:27:GLY:C	9	6.0
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	10	6.0
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	10	6.0
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	10	6.0
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	10	6.0
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	5	6.0
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	5	6.0
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	5	6.0
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	5	6.0
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	1	6.0
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	5	6.0
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	10	5.9
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	10	5.9
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	10	5.9
(1,739)	1:C:117:HIS:N	1:C:117:HIS:CA	1:C:117:HIS:C	1:C:118:PRO:N	5	5.9
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	10	5.9
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	5	5.9
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	5	5.9
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1	5.9
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	4	5.9
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	6	5.9
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	10	5.9
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1	5.9
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	4	5.9
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	6	5.9
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1	5.9
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	4	5.9
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	6	5.9
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	10	5.9
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1	5.9
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	4	5.9
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	6	5.9
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	10	5.9
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	10	5.9
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	10	5.9
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	9	5.9
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	10	5.9
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	6	5.9
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	6	5.9
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	4	5.9
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	6	5.9
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	6	5.9
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	4	5.9
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	4	5.9
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	4	5.9
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	10	5.9
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	10	5.9
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	3	5.9
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	9	5.9
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	3	5.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	9	5.9
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	3	5.9
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	9	5.9
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	3	5.9
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	9	5.9
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	10	5.9
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	10	5.9
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	10	5.9
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	10	5.9
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	6	5.9
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	6	5.9
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	6	5.9
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	6	5.9
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	7	5.9
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	8	5.9
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	7	5.9
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	8	5.9
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	7	5.9
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	8	5.9
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	7	5.9
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	8	5.9
(1,999)	1:C:154:ALA:C	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	2	5.8
(1,998)	1:B:154:ALA:C	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	2	5.8
(1,997)	1:A:154:ALA:C	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	2	5.8
(1,740)	1:D:117:HIS:N	1:D:117:HIS:CA	1:D:117:HIS:C	1:D:118:PRO:N	5	5.8
(1,738)	1:B:117:HIS:N	1:B:117:HIS:CA	1:B:117:HIS:C	1:B:118:PRO:N	5	5.8
(1,737)	1:A:117:HIS:N	1:A:117:HIS:CA	1:A:117:HIS:C	1:A:118:PRO:N	5	5.8
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	3	5.8
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	5	5.8
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	9	5.8
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	9	5.8
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	9	5.8
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	10	5.8
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	9	5.8
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	9	5.8
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	3	5.8
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	4	5.8
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	4	5.8
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	9	5.8
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	9	5.8
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	9	5.8
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	4	5.8
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	10	5.8
(1,1440)	1:D:234:GLU:C	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	9	5.8
(1,1439)	1:C:234:GLU:C	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	9	5.8
(1,1438)	1:B:234:GLU:C	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	9	5.8
(1,1437)	1:A:234:GLU:C	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	9	5.8
(1,1380)	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1:D:222:PHE:N	7	5.8
(1,1379)	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1:C:222:PHE:N	7	5.8
(1,1378)	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1:B:222:PHE:N	7	5.8
(1,1377)	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1:A:222:PHE:N	7	5.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	5	5.8
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	6	5.8
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	6	5.8
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	6	5.8
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	6	5.8
(1,1000)	1:D:154:ALA:C	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	2	5.8
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	3	5.7
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	3	5.7
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	3	5.7
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	9	5.7
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	9	5.7
(1,1976)	1:D:252:MET:C	1:D:253:LEU:N	1:D:253:LEU:CA	1:D:253:LEU:C	5	5.7
(1,1975)	1:C:252:MET:C	1:C:253:LEU:N	1:C:253:LEU:CA	1:C:253:LEU:C	5	5.7
(1,1974)	1:B:252:MET:C	1:B:253:LEU:N	1:B:253:LEU:CA	1:B:253:LEU:C	5	5.7
(1,1973)	1:A:252:MET:C	1:A:253:LEU:N	1:A:253:LEU:CA	1:A:253:LEU:C	5	5.7
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	3	5.7
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	3	5.7
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	7	5.7
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	7	5.7
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	7	5.7
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	7	5.7
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	3	5.7
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	4	5.7
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	3	5.7
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	3	5.7
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	9	5.7
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	5	5.7
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	7	5.7
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	5	5.7
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	9	5.7
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	9	5.7
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	9	5.6
(1,248)	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	1:D:40:ALA:N	5	5.6
(1,247)	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	1:C:40:ALA:N	5	5.6
(1,245)	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	1:A:40:ALA:N	5	5.6
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	3	5.6
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	3	5.6
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	3	5.6
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	3	5.6
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	3	5.6
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	3	5.6
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	6	5.6
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	6	5.6
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	6	5.6
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	6	5.6
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	4	5.6
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	9	5.6
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	4	5.6
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	9	5.6
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	4	5.6
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	9	5.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	4	5.6
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	9	5.6
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	7	5.6
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	7	5.6
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	5	5.6
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	7	5.6
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	10	5.6
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	10	5.6
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	10	5.6
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	5	5.6
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	5	5.6
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	5	5.6
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	5	5.6
(1,1192)	1:D:184:VAL:C	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1	5.6
(1,1191)	1:C:184:VAL:C	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1	5.6
(1,1190)	1:B:184:VAL:C	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1	5.6
(1,1189)	1:A:184:VAL:C	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1	5.6
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	9	5.6
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	1	5.5
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	1	5.5
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	1	5.5
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	1	5.5
(1,246)	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	1:B:40:ALA:N	5	5.5
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	2	5.5
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	2	5.5
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	2	5.5
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	2	5.5
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	7	5.5
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	7	5.5
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	2	5.5
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	10	5.5
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	2	5.5
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	2	5.5
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	2	5.5
(1,1832)	1:D:300:TYR:C	1:D:301:THR:N	1:D:301:THR:CA	1:D:301:THR:C	6	5.5
(1,1831)	1:C:300:TYR:C	1:C:301:THR:N	1:C:301:THR:CA	1:C:301:THR:C	6	5.5
(1,1830)	1:B:300:TYR:C	1:B:301:THR:N	1:B:301:THR:CA	1:B:301:THR:C	6	5.5
(1,1829)	1:A:300:TYR:C	1:A:301:THR:N	1:A:301:THR:CA	1:A:301:THR:C	6	5.5
(1,1800)	1:D:296:THR:C	1:D:297:HIS:N	1:D:297:HIS:CA	1:D:297:HIS:C	6	5.5
(1,1799)	1:C:296:THR:C	1:C:297:HIS:N	1:C:297:HIS:CA	1:C:297:HIS:C	6	5.5
(1,1798)	1:B:296:THR:C	1:B:297:HIS:N	1:B:297:HIS:CA	1:B:297:HIS:C	6	5.5
(1,1797)	1:A:296:THR:C	1:A:297:HIS:N	1:A:297:HIS:CA	1:A:297:HIS:C	6	5.5
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	9	5.5
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	9	5.5
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	6	5.5
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	9	5.5
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	6	5.5
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	9	5.5
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	6	5.5
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	6	5.5
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	4	5.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	4	5.5
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	10	5.5
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	2	5.5
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	2	5.5
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	2	5.5
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	2	5.5
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	7	5.5
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	5	5.5
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	5	5.5
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	5	5.5
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	5	5.5
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	1	5.4
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	1	5.4
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	1	5.4
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	1	5.4
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	4	5.4
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	4	5.4
(1,244)	1:D:38:VAL:C	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	2	5.4
(1,243)	1:C:38:VAL:C	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	2	5.4
(1,242)	1:B:38:VAL:C	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	2	5.4
(1,241)	1:A:38:VAL:C	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	2	5.4
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	7	5.4
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	7	5.4
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	10	5.4
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	10	5.4
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	10	5.4
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	10	5.4
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	9	5.4
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	9	5.4
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	2	5.4
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	2	5.4
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	2	5.4
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	2	5.4
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	10	5.4
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	8	5.4
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	10	5.4
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	8	5.4
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	9	5.4
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	10	5.4
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	9	5.4
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	10	5.4
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	3	5.4
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	3	5.4
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	3	5.4
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	3	5.4
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	4	5.4
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	4	5.4
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1	5.4
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1	5.4
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1	5.4
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1	5.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1356)	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1:D:218:GLU:N	6	5.4
(1,1355)	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1:C:218:GLU:N	6	5.4
(1,1354)	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1:B:218:GLU:N	6	5.4
(1,1353)	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1:A:218:GLU:N	6	5.4
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	2	5.4
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	2	5.4
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	2	5.4
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	2	5.4
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	2	5.4
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	2	5.4
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	2	5.4
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	2	5.4
(1,1195)	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	1:C:186:ALA:N	4	5.4
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	7	5.4
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	7	5.4
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	7	5.4
(1,1124)	1:D:174:MET:N	1:D:174:MET:CA	1:D:174:MET:C	1:D:175:VAL:N	2	5.4
(1,1123)	1:C:174:MET:N	1:C:174:MET:CA	1:C:174:MET:C	1:C:175:VAL:N	2	5.4
(1,1122)	1:B:174:MET:N	1:B:174:MET:CA	1:B:174:MET:C	1:B:175:VAL:N	2	5.4
(1,1121)	1:A:174:MET:N	1:A:174:MET:CA	1:A:174:MET:C	1:A:175:VAL:N	2	5.4
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	10	5.4
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	10	5.4
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	10	5.4
(1,9)	1:A:3:VAL:C	1:A:4:ASP:N	1:A:4:ASP:CA	1:A:4:ASP:C	10	5.3
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	3	5.3
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	9	5.3
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	10	5.3
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	3	5.3
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	10	5.3
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	3	5.3
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	10	5.3
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	3	5.3
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	10	5.3
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	4	5.3
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	4	5.3
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	1	5.3
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	1	5.3
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	1	5.3
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	1	5.3
(1,1936)	1:D:218:GLU:C	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	1	5.3
(1,1935)	1:C:218:GLU:C	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	1	5.3
(1,1933)	1:A:218:GLU:C	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	1	5.3
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	10	5.3
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	10	5.3
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	10	5.3
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	6	5.3
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	6	5.3
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	6	5.3
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	6	5.3
(1,1591)	1:C:264:THR:C	1:C:265:ALA:N	1:C:265:ALA:CA	1:C:265:ALA:C	7	5.3
(1,1590)	1:B:264:THR:C	1:B:265:ALA:N	1:B:265:ALA:CA	1:B:265:ALA:C	7	5.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	8	5.3
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	8	5.3
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	2	5.3
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	2	5.3
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	2	5.3
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	2	5.3
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	8	5.3
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	8	5.3
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	8	5.3
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	5	5.3
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	5	5.3
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	5	5.3
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	5	5.3
(1,12)	1:D:3:VAL:C	1:D:4:ASP:N	1:D:4:ASP:CA	1:D:4:ASP:C	10	5.3
(1,1196)	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	1:D:186:ALA:N	4	5.3
(1,1194)	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	1:B:186:ALA:N	4	5.3
(1,1193)	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	1:A:186:ALA:N	4	5.3
(1,11)	1:C:3:VAL:C	1:C:4:ASP:N	1:C:4:ASP:CA	1:C:4:ASP:C	10	5.3
(1,1020)	1:D:157:MET:N	1:D:157:MET:CA	1:D:157:MET:C	1:D:158:PHE:N	5	5.3
(1,1019)	1:C:157:MET:N	1:C:157:MET:CA	1:C:157:MET:C	1:C:158:PHE:N	5	5.3
(1,1018)	1:B:157:MET:N	1:B:157:MET:CA	1:B:157:MET:C	1:B:158:PHE:N	5	5.3
(1,1017)	1:A:157:MET:N	1:A:157:MET:CA	1:A:157:MET:C	1:A:158:PHE:N	5	5.3
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	10	5.3
(1,10)	1:B:3:VAL:C	1:B:4:ASP:N	1:B:4:ASP:CA	1:B:4:ASP:C	10	5.3
(1,68)	1:D:11:SER:C	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	4	5.2
(1,65)	1:A:11:SER:C	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	4	5.2
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	10	5.2
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	10	5.2
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	10	5.2
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	10	5.2
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	9	5.2
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	9	5.2
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	9	5.2
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	6	5.2
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	6	5.2
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	6	5.2
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	6	5.2
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	2	5.2
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	2	5.2
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	2	5.2
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	2	5.2
(1,1934)	1:B:218:GLU:C	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	1	5.2
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	1	5.2
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	9	5.2
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	1	5.2
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	1	5.2
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	9	5.2
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	1	5.2
(1,1892)	1:D:115:ASP:N	1:D:115:ASP:CA	1:D:115:ASP:C	1:D:116:MET:N	9	5.2
(1,1891)	1:C:115:ASP:N	1:C:115:ASP:CA	1:C:115:ASP:C	1:C:116:MET:N	9	5.2
(1,1890)	1:B:115:ASP:N	1:B:115:ASP:CA	1:B:115:ASP:C	1:B:116:MET:N	9	5.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1889)	1:A:115:ASP:N	1:A:115:ASP:CA	1:A:115:ASP:C	1:A:116:MET:N	9	5.2
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	10	5.2
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	10	5.2
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	10	5.2
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	10	5.2
(1,1592)	1:D:264:THR:C	1:D:265:ALA:N	1:D:265:ALA:CA	1:D:265:ALA:C	7	5.2
(1,1589)	1:A:264:THR:C	1:A:265:ALA:N	1:A:265:ALA:CA	1:A:265:ALA:C	7	5.2
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	4	5.2
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	4	5.2
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	8	5.2
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	4	5.2
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	4	5.2
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	4	5.2
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	4	5.2
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	5	5.2
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	4	5.2
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	7	5.2
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	6	5.2
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	6	5.2
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	6	5.2
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	6	5.2
(1,1028)	1:D:160:ARG:N	1:D:160:ARG:CA	1:D:160:ARG:C	1:D:161:HIS:N	7	5.2
(1,1027)	1:C:160:ARG:N	1:C:160:ARG:CA	1:C:160:ARG:C	1:C:161:HIS:N	7	5.2
(1,1026)	1:B:160:ARG:N	1:B:160:ARG:CA	1:B:160:ARG:C	1:B:161:HIS:N	7	5.2
(1,1025)	1:A:160:ARG:N	1:A:160:ARG:CA	1:A:160:ARG:C	1:A:161:HIS:N	7	5.2
(1,1012)	1:D:156:ILE:N	1:D:156:ILE:CA	1:D:156:ILE:C	1:D:157:MET:N	5	5.2
(1,1011)	1:C:156:ILE:N	1:C:156:ILE:CA	1:C:156:ILE:C	1:C:157:MET:N	5	5.2
(1,1010)	1:B:156:ILE:N	1:B:156:ILE:CA	1:B:156:ILE:C	1:B:157:MET:N	5	5.2
(1,1009)	1:A:156:ILE:N	1:A:156:ILE:CA	1:A:156:ILE:C	1:A:157:MET:N	5	5.2
(1,999)	1:C:154:ALA:C	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	3	5.1
(1,67)	1:C:11:SER:C	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	4	5.1
(1,66)	1:B:11:SER:C	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	4	5.1
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	8	5.1
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	8	5.1
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	8	5.1
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	8	5.1
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	10	5.1
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	10	5.1
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	10	5.1
(1,1920)	1:D:198:GLU:C	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	8	5.1
(1,1919)	1:C:198:GLU:C	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	8	5.1
(1,1918)	1:B:198:GLU:C	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	8	5.1
(1,1917)	1:A:198:GLU:C	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	8	5.1
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	4	5.1
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	4	5.1
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	9	5.1
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	4	5.1
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	4	5.1
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	9	5.1
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	8	5.1
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	8	5.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	3	5.1
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	3	5.1
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	3	5.1
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	3	5.1
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	10	5.1
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	6	5.1
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	6	5.1
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	6	5.1
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	6	5.1
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	4	5.1
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	4	5.1
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	4	5.1
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	4	5.1
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	5	5.1
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	5	5.1
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	4	5.1
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	5	5.1
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	7	5.1
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	7	5.1
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	7	5.1
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	7	5.1
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	7	5.1
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	7	5.1
(1,998)	1:B:154:ALA:C	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	3	5.0
(1,997)	1:A:154:ALA:C	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	3	5.0
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	8	5.0
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	8	5.0
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	8	5.0
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	8	5.0
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	1	5.0
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	1	5.0
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	1	5.0
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	1	5.0
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1	5.0
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1	5.0
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	10	5.0
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	8	5.0
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	8	5.0
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	4	5.0
(1,176)	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1:D:29:ARG:N	8	5.0
(1,174)	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1:B:29:ARG:N	8	5.0
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	5	5.0
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	5	5.0
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	5	5.0
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	7	5.0
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	5	5.0
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	10	5.0
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	10	5.0
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	10	5.0
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	6	5.0
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	6	5.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	6	5.0
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	6	5.0
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	5	5.0
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	5	5.0
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	5	5.0
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	5	5.0
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	6	5.0
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	6	5.0
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	6	5.0
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	6	5.0
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	9	5.0
(1,1212)	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	1:D:189:ARG:N	8	5.0
(1,1211)	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	1:C:189:ARG:N	8	5.0
(1,1210)	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	1:B:189:ARG:N	8	5.0
(1,1209)	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	1:A:189:ARG:N	8	5.0
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	7	5.0
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	3	5.0
(1,1000)	1:D:154:ALA:C	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	3	5.0
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1	4.9
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1	4.9
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	4	4.9
(1,1792)	1:D:295:MET:C	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	10	4.9
(1,1790)	1:B:295:MET:C	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	10	4.9
(1,1789)	1:A:295:MET:C	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	10	4.9
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	4	4.9
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	4	4.9
(1,175)	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1:C:29:ARG:N	8	4.9
(1,173)	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1:A:29:ARG:N	8	4.9
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	4	4.9
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	4	4.9
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	4	4.9
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	4	4.9
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	7	4.9
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	7	4.9
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	1	4.9
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	7	4.9
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	9	4.9
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	9	4.9
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	9	4.9
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	3	4.9
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	3	4.9
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	3	4.9
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	3	4.9
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	5	4.9
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	5	4.9
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	5	4.9
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	5	4.9
(1,728)	1:D:106:GLU:N	1:D:106:GLU:CA	1:D:106:GLU:C	1:D:107:THR:N	8	4.8
(1,727)	1:C:106:GLU:N	1:C:106:GLU:CA	1:C:106:GLU:C	1:C:107:THR:N	8	4.8
(1,726)	1:B:106:GLU:N	1:B:106:GLU:CA	1:B:106:GLU:C	1:B:107:THR:N	8	4.8
(1,725)	1:A:106:GLU:N	1:A:106:GLU:CA	1:A:106:GLU:C	1:A:107:THR:N	8	4.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	1	4.8
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	1	4.8
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	1	4.8
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	1	4.8
(1,408)	1:D:60:TRP:N	1:D:60:TRP:CA	1:D:60:TRP:C	1:D:61:PRO:N	3	4.8
(1,407)	1:C:60:TRP:N	1:C:60:TRP:CA	1:C:60:TRP:C	1:C:61:PRO:N	3	4.8
(1,406)	1:B:60:TRP:N	1:B:60:TRP:CA	1:B:60:TRP:C	1:B:61:PRO:N	3	4.8
(1,405)	1:A:60:TRP:N	1:A:60:TRP:CA	1:A:60:TRP:C	1:A:61:PRO:N	3	4.8
(1,396)	1:D:58:VAL:C	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	5	4.8
(1,395)	1:C:58:VAL:C	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	5	4.8
(1,394)	1:B:58:VAL:C	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	5	4.8
(1,393)	1:A:58:VAL:C	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	5	4.8
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	2	4.8
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	2	4.8
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	2	4.8
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	2	4.8
(1,308)	1:D:47:VAL:C	1:D:48:TRP:N	1:D:48:TRP:CA	1:D:48:TRP:C	2	4.8
(1,307)	1:C:47:VAL:C	1:C:48:TRP:N	1:C:48:TRP:CA	1:C:48:TRP:C	2	4.8
(1,306)	1:B:47:VAL:C	1:B:48:TRP:N	1:B:48:TRP:CA	1:B:48:TRP:C	2	4.8
(1,305)	1:A:47:VAL:C	1:A:48:TRP:N	1:A:48:TRP:CA	1:A:48:TRP:C	2	4.8
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	1	4.8
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	1	4.8
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	1	4.8
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	1	4.8
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	6	4.8
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	5	4.8
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	6	4.8
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	6	4.8
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	5	4.8
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	6	4.8
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	5	4.8
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	5	4.8
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	5	4.8
(1,1791)	1:C:295:MET:C	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	10	4.8
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	3	4.8
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	3	4.8
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	3	4.8
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	4	4.8
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	4	4.8
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	4	4.8
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	4	4.8
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	1	4.8
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	1	4.8
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	1	4.8
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	1	4.8
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	1	4.8
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	1	4.8
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	1	4.8
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	7	4.8
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	3	4.8
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	3	4.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	3	4.8
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	10	4.7
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	10	4.7
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	10	4.7
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	10	4.7
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	6	4.7
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	6	4.7
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	6	4.7
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	6	4.7
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	8	4.7
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	8	4.7
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	8	4.7
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	8	4.7
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	5	4.7
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	5	4.7
(1,1932)	1:D:205:SER:N	1:D:205:SER:CA	1:D:205:SER:C	1:D:206:LEU:N	6	4.7
(1,1931)	1:C:205:SER:N	1:C:205:SER:CA	1:C:205:SER:C	1:C:206:LEU:N	6	4.7
(1,1930)	1:B:205:SER:N	1:B:205:SER:CA	1:B:205:SER:C	1:B:206:LEU:N	6	4.7
(1,1929)	1:A:205:SER:N	1:A:205:SER:CA	1:A:205:SER:C	1:A:206:LEU:N	6	4.7
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	5	4.7
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	3	4.7
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	10	4.7
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	10	4.7
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	7	4.7
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	7	4.7
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	7	4.7
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	7	4.7
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	7	4.7
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	7	4.7
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	3	4.7
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	3	4.7
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	3	4.7
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	3	4.7
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	8	4.7
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	8	4.7
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	8	4.7
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	8	4.7
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	2	4.7
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	2	4.7
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	2	4.7
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	2	4.7
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	2	4.6
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	2	4.6
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	2	4.6
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	2	4.6
(1,388)	1:D:57:LYS:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	3	4.6
(1,387)	1:C:57:LYS:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	3	4.6
(1,386)	1:B:57:LYS:C	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	3	4.6
(1,385)	1:A:57:LYS:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	3	4.6
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	10	4.6
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	10	4.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	10	4.6
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	10	4.6
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	4	4.6
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	4	4.6
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	4	4.6
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	4	4.6
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	4	4.6
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	6	4.6
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	6	4.6
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	6	4.6
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	6	4.6
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	3	4.6
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	3	4.6
(1,1468)	1:D:239:PHE:N	1:D:239:PHE:CA	1:D:239:PHE:C	1:D:240:GLY:N	2	4.6
(1,1467)	1:C:239:PHE:N	1:C:239:PHE:CA	1:C:239:PHE:C	1:C:240:GLY:N	2	4.6
(1,1466)	1:B:239:PHE:N	1:B:239:PHE:CA	1:B:239:PHE:C	1:B:240:GLY:N	2	4.6
(1,1465)	1:A:239:PHE:N	1:A:239:PHE:CA	1:A:239:PHE:C	1:A:240:GLY:N	2	4.6
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	1	4.6
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	1	4.6
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	10	4.6
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	10	4.6
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	7	4.6
(1,1208)	1:D:187:GLU:C	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	6	4.6
(1,1207)	1:C:187:GLU:C	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	6	4.6
(1,1206)	1:B:187:GLU:C	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	6	4.6
(1,1205)	1:A:187:GLU:C	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	6	4.6
(1,1152)	1:D:178:ALA:C	1:D:179:ASN:N	1:D:179:ASN:CA	1:D:179:ASN:C	2	4.6
(1,1151)	1:C:178:ALA:C	1:C:179:ASN:N	1:C:179:ASN:CA	1:C:179:ASN:C	2	4.6
(1,1150)	1:B:178:ALA:C	1:B:179:ASN:N	1:B:179:ASN:CA	1:B:179:ASN:C	2	4.6
(1,1149)	1:A:178:ALA:C	1:A:179:ASN:N	1:A:179:ASN:CA	1:A:179:ASN:C	2	4.6
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	9	4.6
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	9	4.6
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	4	4.5
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	4	4.5
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	8	4.5
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	8	4.5
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	8	4.5
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	4	4.5
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	5	4.5
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	4	4.5
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	4	4.5
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	4	4.5
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	4	4.5
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	4	4.5
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	4	4.5
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	3	4.5
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	3	4.5
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	4	4.5
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	4	4.5
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	4	4.5
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	3	4.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	3	4.5
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	1	4.5
(1,1444)	1:D:235:SER:N	1:D:235:SER:CA	1:D:235:SER:C	1:D:236:SER:N	8	4.5
(1,1443)	1:C:235:SER:N	1:C:235:SER:CA	1:C:235:SER:C	1:C:236:SER:N	8	4.5
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	1	4.5
(1,1442)	1:B:235:SER:N	1:B:235:SER:CA	1:B:235:SER:C	1:B:236:SER:N	8	4.5
(1,1441)	1:A:235:SER:N	1:A:235:SER:CA	1:A:235:SER:C	1:A:236:SER:N	8	4.5
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	2	4.5
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	2	4.5
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	2	4.5
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	2	4.5
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	10	4.5
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	9	4.5
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	9	4.5
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	6	4.4
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	6	4.4
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	6	4.4
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	6	4.4
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	6	4.4
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	9	4.4
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	6	4.4
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	8	4.4
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	6	4.4
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	9	4.4
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	4	4.4
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	6	4.4
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	9	4.4
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	5	4.4
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	5	4.4
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	5	4.4
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	6	4.4
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	6	4.4
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	6	4.4
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	6	4.4
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	5	4.4
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	5	4.4
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	4	4.4
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	4	4.4
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	4	4.4
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	4	4.4
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	4	4.4
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	1	4.4
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	4	4.4
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	4	4.4
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	4	4.4
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	7	4.4
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	7	4.4
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	7	4.4
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	7	4.4
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	4	4.4
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	3	4.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	3	4.4
(1,1712)	1:D:280:ARG:C	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	5	4.4
(1,1711)	1:C:280:ARG:C	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	5	4.4
(1,1710)	1:B:280:ARG:C	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	5	4.4
(1,1709)	1:A:280:ARG:C	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	5	4.4
(1,170)	1:B:27:GLY:C	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	9	4.4
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	4	4.4
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	6	4.4
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	6	4.4
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	6	4.4
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	6	4.4
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	10	4.4
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	10	4.4
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	10	4.4
(1,1032)	1:D:160:ARG:C	1:D:161:HIS:N	1:D:161:HIS:CA	1:D:161:HIS:C	1	4.4
(1,1031)	1:C:160:ARG:C	1:C:161:HIS:N	1:C:161:HIS:CA	1:C:161:HIS:C	1	4.4
(1,1030)	1:B:160:ARG:C	1:B:161:HIS:N	1:B:161:HIS:CA	1:B:161:HIS:C	1	4.4
(1,1029)	1:A:160:ARG:C	1:A:161:HIS:N	1:A:161:HIS:CA	1:A:161:HIS:C	1	4.4
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	9	4.3
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	5	4.3
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	5	4.3
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	10	4.3
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	10	4.3
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	10	4.3
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	10	4.3
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	9	4.3
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	9	4.3
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	9	4.3
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	9	4.3
(1,1920)	1:D:198:GLU:C	1:D:199:HIS:N	1:D:199:HIS:CA	1:D:199:HIS:C	4	4.3
(1,1919)	1:C:198:GLU:C	1:C:199:HIS:N	1:C:199:HIS:CA	1:C:199:HIS:C	4	4.3
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	1	4.3
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	1	4.3
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	1	4.3
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	9	4.3
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	9	4.3
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	5	4.3
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	7	4.3
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	5	4.3
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	7	4.3
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	5	4.3
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	7	4.3
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	5	4.3
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	7	4.3
(1,172)	1:D:27:GLY:C	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	9	4.3
(1,171)	1:C:27:GLY:C	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	9	4.3
(1,169)	1:A:27:GLY:C	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	9	4.3
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	6	4.3
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	6	4.3
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	6	4.3
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	10	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	6	4.3
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	10	4.3
(1,1536)	1:D:251:ALA:C	1:D:252:MET:N	1:D:252:MET:CA	1:D:252:MET:C	3	4.3
(1,1535)	1:C:251:ALA:C	1:C:252:MET:N	1:C:252:MET:CA	1:C:252:MET:C	3	4.3
(1,1534)	1:B:251:ALA:C	1:B:252:MET:N	1:B:252:MET:CA	1:B:252:MET:C	3	4.3
(1,1533)	1:A:251:ALA:C	1:A:252:MET:N	1:A:252:MET:CA	1:A:252:MET:C	3	4.3
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	9	4.3
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	9	4.3
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	9	4.3
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	9	4.3
(1,1232)	1:D:190:ALA:C	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1	4.3
(1,1231)	1:C:190:ALA:C	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1	4.3
(1,1230)	1:B:190:ALA:C	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1	4.3
(1,1229)	1:A:190:ALA:C	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1	4.3
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	8	4.3
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	8	4.3
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	4	4.3
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	4	4.3
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	4	4.3
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	4	4.3
(1,104)	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	1:D:17:ALA:N	8	4.3
(1,103)	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	1:C:17:ALA:N	8	4.3
(1,101)	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	1:A:17:ALA:N	8	4.3
(1,99)	1:C:15:ALA:C	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	10	4.2
(1,98)	1:B:15:ALA:C	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	10	4.2
(1,97)	1:A:15:ALA:C	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	10	4.2
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	7	4.2
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	7	4.2
(1,248)	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	1:D:40:ALA:N	4	4.2
(1,247)	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	1:C:40:ALA:N	4	4.2
(1,246)	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	1:B:40:ALA:N	4	4.2
(1,245)	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	1:A:40:ALA:N	4	4.2
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	5	4.2
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	5	4.2
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	9	4.2
(1,1918)	1:B:198:GLU:C	1:B:199:HIS:N	1:B:199:HIS:CA	1:B:199:HIS:C	4	4.2
(1,1917)	1:A:198:GLU:C	1:A:199:HIS:N	1:A:199:HIS:CA	1:A:199:HIS:C	4	4.2
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	9	4.2
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	9	4.2
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	8	4.2
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	8	4.2
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	8	4.2
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	8	4.2
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	10	4.2
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	10	4.2
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	1	4.2
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	1	4.2
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	1	4.2
(1,1340)	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	1:D:216:ARG:N	3	4.2
(1,1337)	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	1:A:216:ARG:N	3	4.2
(1,1185)	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	1:A:185:ILE:N	7	4.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	1	4.2
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	1	4.2
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	1	4.2
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	1	4.2
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	8	4.2
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	8	4.2
(1,102)	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	1:B:17:ALA:N	8	4.2
(1,100)	1:D:15:ALA:C	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	10	4.2
(1,603)	1:C:84:LEU:C	1:C:85:GLY:N	1:C:85:GLY:CA	1:C:85:GLY:C	9	4.1
(1,601)	1:A:84:LEU:C	1:A:85:GLY:N	1:A:85:GLY:CA	1:A:85:GLY:C	9	4.1
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	7	4.1
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	7	4.1
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	8	4.1
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	8	4.1
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	8	4.1
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	8	4.1
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	3	4.1
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	6	4.1
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	3	4.1
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	6	4.1
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	3	4.1
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	6	4.1
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	3	4.1
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	6	4.1
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	9	4.1
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	5	4.1
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	7	4.1
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	9	4.1
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	7	4.1
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	9	4.1
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	5	4.1
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	7	4.1
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	7	4.1
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	7	4.1
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	2	4.1
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	2	4.1
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	2	4.1
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	2	4.1
(1,1724)	1:D:282:HIS:N	1:D:282:HIS:CA	1:D:282:HIS:C	1:D:283:HIS:N	3	4.1
(1,1723)	1:C:282:HIS:N	1:C:282:HIS:CA	1:C:282:HIS:C	1:C:283:HIS:N	3	4.1
(1,1722)	1:B:282:HIS:N	1:B:282:HIS:CA	1:B:282:HIS:C	1:B:283:HIS:N	3	4.1
(1,1721)	1:A:282:HIS:N	1:A:282:HIS:CA	1:A:282:HIS:C	1:A:283:HIS:N	3	4.1
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	1	4.1
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	1	4.1
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	1	4.1
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	1	4.1
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	1	4.1
(1,1339)	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	1:C:216:ARG:N	3	4.1
(1,1338)	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	1:B:216:ARG:N	3	4.1
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	10	4.1
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	10	4.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	10	4.1
(1,1256)	1:D:193:ARG:C	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	2	4.1
(1,1255)	1:C:193:ARG:C	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	2	4.1
(1,1254)	1:B:193:ARG:C	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	2	4.1
(1,1253)	1:A:193:ARG:C	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	2	4.1
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	6	4.1
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	6	4.1
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	6	4.1
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	6	4.1
(1,1187)	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	1:C:185:ILE:N	7	4.1
(1,1186)	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	1:B:185:ILE:N	7	4.1
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	3	4.1
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	3	4.1
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	3	4.1
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	3	4.1
(1,604)	1:D:84:LEU:C	1:D:85:GLY:N	1:D:85:GLY:CA	1:D:85:GLY:C	9	4.0
(1,602)	1:B:84:LEU:C	1:B:85:GLY:N	1:B:85:GLY:CA	1:B:85:GLY:C	9	4.0
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	2	4.0
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	2	4.0
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	2	4.0
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	2	4.0
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	7	4.0
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	7	4.0
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	7	4.0
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	7	4.0
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	7	4.0
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	7	4.0
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	10	4.0
(1,1188)	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	1:D:185:ILE:N	7	4.0
(1,1184)	1:D:183:ASN:C	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	6	4.0
(1,1183)	1:C:183:ASN:C	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	6	4.0
(1,1182)	1:B:183:ASN:C	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	6	4.0
(1,1181)	1:A:183:ASN:C	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	6	4.0
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	5	4.0
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	5	4.0
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	5	4.0
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	5	4.0
(1,100)	1:D:15:ALA:C	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	3	4.0
(1,99)	1:C:15:ALA:C	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	3	3.9
(1,98)	1:B:15:ALA:C	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	3	3.9
(1,97)	1:A:15:ALA:C	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	3	3.9
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	1	3.9
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	1	3.9
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	7	3.9
(1,285)	1:A:45:ALA:N	1:A:45:ALA:CA	1:A:45:ALA:C	1:A:46:SER:N	7	3.9
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	7	3.9
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	7	3.9
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	7	3.9
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	7	3.9
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	2	3.9
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	2	3.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	2	3.9
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	2	3.9
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	6	3.9
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	6	3.9
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	6	3.9
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	6	3.9
(1,1192)	1:D:184:VAL:C	1:D:185:ILE:N	1:D:185:ILE:CA	1:D:185:ILE:C	10	3.9
(1,1191)	1:C:184:VAL:C	1:C:185:ILE:N	1:C:185:ILE:CA	1:C:185:ILE:C	10	3.9
(1,1190)	1:B:184:VAL:C	1:B:185:ILE:N	1:B:185:ILE:CA	1:B:185:ILE:C	10	3.9
(1,1189)	1:A:184:VAL:C	1:A:185:ILE:N	1:A:185:ILE:CA	1:A:185:ILE:C	10	3.9
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	2	3.9
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	2	3.9
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	2	3.9
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	2	3.9
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	2	3.8
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	2	3.8
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	2	3.8
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	2	3.8
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	1	3.8
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	1	3.8
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	1	3.8
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	1	3.8
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	9	3.8
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	9	3.8
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	9	3.8
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	9	3.8
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	1	3.8
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	1	3.8
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	10	3.8
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	10	3.8
(1,288)	1:D:45:ALA:N	1:D:45:ALA:CA	1:D:45:ALA:C	1:D:46:SER:N	7	3.8
(1,287)	1:C:45:ALA:N	1:C:45:ALA:CA	1:C:45:ALA:C	1:C:46:SER:N	7	3.8
(1,286)	1:B:45:ALA:N	1:B:45:ALA:CA	1:B:45:ALA:C	1:B:46:SER:N	7	3.8
(1,241)	1:A:38:VAL:C	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	3	3.8
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	6	3.8
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	6	3.8
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	6	3.8
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	6	3.8
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	4	3.8
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	4	3.8
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	4	3.8
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	4	3.8
(1,1452)	1:D:237:PRO:N	1:D:237:PRO:CA	1:D:237:PRO:C	1:D:238:LEU:N	3	3.8
(1,1451)	1:C:237:PRO:N	1:C:237:PRO:CA	1:C:237:PRO:C	1:C:238:LEU:N	3	3.8
(1,1450)	1:B:237:PRO:N	1:B:237:PRO:CA	1:B:237:PRO:C	1:B:238:LEU:N	3	3.8
(1,1449)	1:A:237:PRO:N	1:A:237:PRO:CA	1:A:237:PRO:C	1:A:238:LEU:N	3	3.8
(1,1160)	1:D:179:ASN:C	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	6	3.8
(1,1159)	1:C:179:ASN:C	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	6	3.8
(1,1158)	1:B:179:ASN:C	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	6	3.8
(1,1157)	1:A:179:ASN:C	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	6	3.8
(1,1020)	1:D:157:MET:N	1:D:157:MET:CA	1:D:157:MET:C	1:D:158:PHE:N	9	3.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1019)	1:C:157:MET:N	1:C:157:MET:CA	1:C:157:MET:C	1:C:158:PHE:N	9	3.8
(1,1017)	1:A:157:MET:N	1:A:157:MET:CA	1:A:157:MET:C	1:A:158:PHE:N	9	3.8
(1,1012)	1:D:156:ILE:N	1:D:156:ILE:CA	1:D:156:ILE:C	1:D:157:MET:N	10	3.8
(1,1011)	1:C:156:ILE:N	1:C:156:ILE:CA	1:C:156:ILE:C	1:C:157:MET:N	10	3.8
(1,1010)	1:B:156:ILE:N	1:B:156:ILE:CA	1:B:156:ILE:C	1:B:157:MET:N	10	3.8
(1,1009)	1:A:156:ILE:N	1:A:156:ILE:CA	1:A:156:ILE:C	1:A:157:MET:N	10	3.8
(1,68)	1:D:11:SER:C	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	3	3.7
(1,67)	1:C:11:SER:C	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	3	3.7
(1,66)	1:B:11:SER:C	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	3	3.7
(1,65)	1:A:11:SER:C	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	3	3.7
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	3	3.7
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	3	3.7
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	3	3.7
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	3	3.7
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	10	3.7
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	10	3.7
(1,272)	1:D:42:GLY:N	1:D:42:GLY:CA	1:D:42:GLY:C	1:D:43:MET:N	2	3.7
(1,271)	1:C:42:GLY:N	1:C:42:GLY:CA	1:C:42:GLY:C	1:C:43:MET:N	2	3.7
(1,270)	1:B:42:GLY:N	1:B:42:GLY:CA	1:B:42:GLY:C	1:B:43:MET:N	2	3.7
(1,269)	1:A:42:GLY:N	1:A:42:GLY:CA	1:A:42:GLY:C	1:A:43:MET:N	2	3.7
(1,247)	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	1:C:40:ALA:N	3	3.7
(1,246)	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	1:B:40:ALA:N	3	3.7
(1,245)	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	1:A:40:ALA:N	3	3.7
(1,244)	1:D:38:VAL:C	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	3	3.7
(1,243)	1:C:38:VAL:C	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	3	3.7
(1,242)	1:B:38:VAL:C	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	3	3.7
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	8	3.7
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	7	3.7
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	7	3.7
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	5	3.7
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	5	3.7
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	9	3.7
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	9	3.7
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	9	3.7
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	9	3.7
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	9	3.7
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	9	3.7
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	9	3.7
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	9	3.7
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	1	3.7
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	1	3.7
(1,1018)	1:B:157:MET:N	1:B:157:MET:CA	1:B:157:MET:C	1:B:158:PHE:N	9	3.7
(1,728)	1:D:106:GLU:N	1:D:106:GLU:CA	1:D:106:GLU:C	1:D:107:THR:N	9	3.6
(1,727)	1:C:106:GLU:N	1:C:106:GLU:CA	1:C:106:GLU:C	1:C:107:THR:N	9	3.6
(1,726)	1:B:106:GLU:N	1:B:106:GLU:CA	1:B:106:GLU:C	1:B:107:THR:N	9	3.6
(1,725)	1:A:106:GLU:N	1:A:106:GLU:CA	1:A:106:GLU:C	1:A:107:THR:N	9	3.6
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	8	3.6
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	4	3.6
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	4	3.6
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	4	3.6
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	4	3.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,306)	1:B:47:VAL:C	1:B:48:TRP:N	1:B:48:TRP:CA	1:B:48:TRP:C	4	3.6
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	1	3.6
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1	3.6
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	1	3.6
(1,248)	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	1:D:40:ALA:N	3	3.6
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	6	3.6
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	6	3.6
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	6	3.6
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	6	3.6
(1,1948)	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1:D:226:TRP:N	3	3.6
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	3	3.6
(1,1947)	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1:C:226:TRP:N	8	3.6
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	3	3.6
(1,1946)	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1:B:226:TRP:N	8	3.6
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	3	3.6
(1,1945)	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1:A:226:TRP:N	8	3.6
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	7	3.6
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	7	3.6
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	7	3.6
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	7	3.6
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	7	3.6
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	7	3.6
(1,1852)	1:D:26:ARG:N	1:D:26:ARG:CA	1:D:26:ARG:C	1:D:27:GLY:N	2	3.6
(1,1851)	1:C:26:ARG:N	1:C:26:ARG:CA	1:C:26:ARG:C	1:C:27:GLY:N	2	3.6
(1,1850)	1:B:26:ARG:N	1:B:26:ARG:CA	1:B:26:ARG:C	1:B:27:GLY:N	2	3.6
(1,1849)	1:A:26:ARG:N	1:A:26:ARG:CA	1:A:26:ARG:C	1:A:27:GLY:N	2	3.6
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	7	3.6
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	7	3.6
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	5	3.6
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	5	3.6
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	6	3.6
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	6	3.6
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	6	3.6
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	6	3.6
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	5	3.6
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	9	3.6
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	5	3.6
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	9	3.6
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	5	3.6
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	9	3.6
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	5	3.6
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	9	3.6
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	1	3.6
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	3	3.6
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	1	3.6
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	3	3.6
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	3	3.6
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	1	3.6
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	3	3.6
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	5	3.6
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	1	3.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	1	3.6
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	1	3.6
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	1	3.6
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	6	3.6
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	6	3.6
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	6	3.6
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	6	3.6
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	1	3.6
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	1	3.6
(1,1236)	1:D:191:LYS:N	1:D:191:LYS:CA	1:D:191:LYS:C	1:D:192:MET:N	9	3.6
(1,1235)	1:C:191:LYS:N	1:C:191:LYS:CA	1:C:191:LYS:C	1:C:192:MET:N	9	3.6
(1,1234)	1:B:191:LYS:N	1:B:191:LYS:CA	1:B:191:LYS:C	1:B:192:MET:N	9	3.6
(1,1233)	1:A:191:LYS:N	1:A:191:LYS:CA	1:A:191:LYS:C	1:A:192:MET:N	9	3.6
(1,1122)	1:B:174:MET:N	1:B:174:MET:CA	1:B:174:MET:C	1:B:175:VAL:N	5	3.6
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	6	3.6
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	6	3.6
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	6	3.6
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	6	3.6
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1	3.5
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	8	3.5
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	8	3.5
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	8	3.5
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	10	3.5
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	10	3.5
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	10	3.5
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	7	3.5
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	7	3.5
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	7	3.5
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	7	3.5
(1,32)	1:D:6:PHE:N	1:D:6:PHE:CA	1:D:6:PHE:C	1:D:7:SER:N	1	3.5
(1,31)	1:C:6:PHE:N	1:C:6:PHE:CA	1:C:6:PHE:C	1:C:7:SER:N	1	3.5
(1,308)	1:D:47:VAL:C	1:D:48:TRP:N	1:D:48:TRP:CA	1:D:48:TRP:C	4	3.5
(1,307)	1:C:47:VAL:C	1:C:48:TRP:N	1:C:48:TRP:CA	1:C:48:TRP:C	4	3.5
(1,305)	1:A:47:VAL:C	1:A:48:TRP:N	1:A:48:TRP:CA	1:A:48:TRP:C	4	3.5
(1,30)	1:B:6:PHE:N	1:B:6:PHE:CA	1:B:6:PHE:C	1:B:7:SER:N	1	3.5
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	5	3.5
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	5	3.5
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	5	3.5
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	5	3.5
(1,29)	1:A:6:PHE:N	1:A:6:PHE:CA	1:A:6:PHE:C	1:A:7:SER:N	1	3.5
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	1	3.5
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	6	3.5
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	6	3.5
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	6	3.5
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	6	3.5
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	3	3.5
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	6	3.5
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	6	3.5
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	6	3.5
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	6	3.5
(1,1839)	1:C:8:PRO:C	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	4	3.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1838)	1:B:8:PRO:C	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	4	3.5
(1,1813)	1:A:298:ILE:C	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1	3.5
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	5	3.5
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	5	3.5
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	5	3.5
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	5	3.5
(1,1785)	1:A:295:MET:N	1:A:295:MET:CA	1:A:295:MET:C	1:A:296:THR:N	4	3.5
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	9	3.5
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	9	3.5
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	2	3.5
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	2	3.5
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	2	3.5
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	2	3.5
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	7	3.5
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	7	3.5
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	5	3.5
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	5	3.5
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	1	3.5
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	5	3.5
(1,144)	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1:D:23:LYS:N	10	3.5
(1,143)	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1:C:23:LYS:N	10	3.5
(1,142)	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1:B:23:LYS:N	10	3.5
(1,1360)	1:D:217:ASN:C	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	6	3.5
(1,1359)	1:C:217:ASN:C	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	6	3.5
(1,1358)	1:B:217:ASN:C	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	6	3.5
(1,1357)	1:A:217:ASN:C	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	6	3.5
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	10	3.5
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	10	3.5
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	10	3.5
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	10	3.5
(1,1187)	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	1:C:185:ILE:N	3	3.5
(1,1186)	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	1:B:185:ILE:N	3	3.5
(1,1175)	1:C:182:GLN:C	1:C:183:ASN:N	1:C:183:ASN:CA	1:C:183:ASN:C	3	3.5
(1,1173)	1:A:182:GLN:C	1:A:183:ASN:N	1:A:183:ASN:CA	1:A:183:ASN:C	3	3.5
(1,1124)	1:D:174:MET:N	1:D:174:MET:CA	1:D:174:MET:C	1:D:175:VAL:N	5	3.5
(1,1123)	1:C:174:MET:N	1:C:174:MET:CA	1:C:174:MET:C	1:C:175:VAL:N	5	3.5
(1,1121)	1:A:174:MET:N	1:A:174:MET:CA	1:A:174:MET:C	1:A:175:VAL:N	5	3.5
(1,999)	1:C:154:ALA:C	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1	3.4
(1,998)	1:B:154:ALA:C	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1	3.4
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1	3.4
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1	3.4
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1	3.4
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	10	3.4
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	9	3.4
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	9	3.4
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	9	3.4
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	9	3.4
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	3	3.4
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	3	3.4
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	3	3.4
(1,1840)	1:D:8:PRO:C	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	4	3.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1837)	1:A:8:PRO:C	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	4	3.4
(1,1816)	1:D:298:ILE:C	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1	3.4
(1,1815)	1:C:298:ILE:C	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1	3.4
(1,1814)	1:B:298:ILE:C	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1	3.4
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	8	3.4
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	8	3.4
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	8	3.4
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	8	3.4
(1,1788)	1:D:295:MET:N	1:D:295:MET:CA	1:D:295:MET:C	1:D:296:THR:N	4	3.4
(1,1787)	1:C:295:MET:N	1:C:295:MET:CA	1:C:295:MET:C	1:C:296:THR:N	4	3.4
(1,1786)	1:B:295:MET:N	1:B:295:MET:CA	1:B:295:MET:C	1:B:296:THR:N	4	3.4
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	9	3.4
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	9	3.4
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	8	3.4
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	8	3.4
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	8	3.4
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	8	3.4
(1,1477)	1:A:240:GLY:C	1:A:241:GLU:N	1:A:241:GLU:CA	1:A:241:GLU:C	9	3.4
(1,144)	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1:D:23:LYS:N	3	3.4
(1,143)	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1:C:23:LYS:N	3	3.4
(1,142)	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1:B:23:LYS:N	3	3.4
(1,141)	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1:A:23:LYS:N	3	3.4
(1,141)	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1:A:23:LYS:N	10	3.4
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	3	3.4
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	10	3.4
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	3	3.4
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	10	3.4
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	3	3.4
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	10	3.4
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	3	3.4
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	10	3.4
(1,1200)	1:D:186:ALA:C	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	6	3.4
(1,1199)	1:C:186:ALA:C	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	6	3.4
(1,1198)	1:B:186:ALA:C	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	6	3.4
(1,1197)	1:A:186:ALA:C	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	6	3.4
(1,1188)	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	1:D:185:ILE:N	3	3.4
(1,1185)	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	1:A:185:ILE:N	3	3.4
(1,1176)	1:D:182:GLN:C	1:D:183:ASN:N	1:D:183:ASN:CA	1:D:183:ASN:C	3	3.4
(1,1174)	1:B:182:GLN:C	1:B:183:ASN:N	1:B:183:ASN:CA	1:B:183:ASN:C	3	3.4
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	7	3.4
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	9	3.4
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	7	3.4
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	7	3.4
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	7	3.4
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	9	3.4
(1,1016)	1:D:156:ILE:C	1:D:157:MET:N	1:D:157:MET:CA	1:D:157:MET:C	6	3.4
(1,1015)	1:C:156:ILE:C	1:C:157:MET:N	1:C:157:MET:CA	1:C:157:MET:C	6	3.4
(1,1014)	1:B:156:ILE:C	1:B:157:MET:N	1:B:157:MET:CA	1:B:157:MET:C	6	3.4
(1,1013)	1:A:156:ILE:C	1:A:157:MET:N	1:A:157:MET:CA	1:A:157:MET:C	6	3.4
(1,1000)	1:D:154:ALA:C	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1	3.4
(1,997)	1:A:154:ALA:C	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1	3.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	7	3.3
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	1	3.3
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	10	3.3
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	8	3.3
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	8	3.3
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	8	3.3
(1,1940)	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	1:D:220:PRO:N	5	3.3
(1,1939)	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	1:C:220:PRO:N	5	3.3
(1,1938)	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	1:B:220:PRO:N	5	3.3
(1,1937)	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	1:A:220:PRO:N	5	3.3
(1,1862)	1:B:89:ILE:C	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	9	3.3
(1,1861)	1:A:89:ILE:C	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	9	3.3
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	6	3.3
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	6	3.3
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	3	3.3
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	6	3.3
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	3	3.3
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	6	3.3
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	4	3.3
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	4	3.3
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	4	3.3
(1,1480)	1:D:240:GLY:C	1:D:241:GLU:N	1:D:241:GLU:CA	1:D:241:GLU:C	9	3.3
(1,1479)	1:C:240:GLY:C	1:C:241:GLU:N	1:C:241:GLU:CA	1:C:241:GLU:C	9	3.3
(1,1478)	1:B:240:GLY:C	1:B:241:GLU:N	1:B:241:GLU:CA	1:B:241:GLU:C	9	3.3
(1,143)	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1:C:23:LYS:N	1	3.3
(1,1412)	1:D:226:TRP:N	1:D:226:TRP:CA	1:D:226:TRP:C	1:D:227:ASN:N	5	3.3
(1,1411)	1:C:226:TRP:N	1:C:226:TRP:CA	1:C:226:TRP:C	1:C:227:ASN:N	5	3.3
(1,1410)	1:B:226:TRP:N	1:B:226:TRP:CA	1:B:226:TRP:C	1:B:227:ASN:N	5	3.3
(1,1409)	1:A:226:TRP:N	1:A:226:TRP:CA	1:A:226:TRP:C	1:A:227:ASN:N	5	3.3
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	4	3.3
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	9	3.3
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	9	3.3
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	4	3.3
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	9	3.3
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	3	3.3
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	3	3.3
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	3	3.3
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	3	3.3
(1,1184)	1:D:183:ASN:C	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	5	3.3
(1,1183)	1:C:183:ASN:C	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	5	3.3
(1,1182)	1:B:183:ASN:C	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	5	3.3
(1,1181)	1:A:183:ASN:C	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	5	3.3
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	10	3.3
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	10	3.3
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	9	3.3
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	9	3.3
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	7	3.2
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	7	3.2
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	7	3.2
(1,66)	1:B:11:SER:C	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	8	3.2
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	1	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	1	3.2
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	1	3.2
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	10	3.2
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	10	3.2
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	10	3.2
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	8	3.2
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	5	3.2
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	5	3.2
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	5	3.2
(1,1864)	1:D:89:ILE:C	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	9	3.2
(1,1863)	1:C:89:ILE:C	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	9	3.2
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	9	3.2
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	9	3.2
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	9	3.2
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	9	3.2
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	3	3.2
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	3	3.2
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	4	3.2
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	3	3.2
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	3	3.2
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	3	3.2
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	3	3.2
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	5	3.2
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	5	3.2
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	5	3.2
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	5	3.2
(1,144)	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1:D:23:LYS:N	1	3.2
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	7	3.2
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	7	3.2
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	7	3.2
(1,142)	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1:B:23:LYS:N	1	3.2
(1,141)	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1:A:23:LYS:N	1	3.2
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	7	3.2
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	4	3.2
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	9	3.2
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	4	3.2
(1,1316)	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1:D:213:LYS:N	3	3.2
(1,1315)	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1:C:213:LYS:N	3	3.2
(1,1314)	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1:B:213:LYS:N	3	3.2
(1,1313)	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1:A:213:LYS:N	3	3.2
(1,1244)	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1:D:193:ARG:N	4	3.2
(1,1243)	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1:C:193:ARG:N	4	3.2
(1,1242)	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1:B:193:ARG:N	4	3.2
(1,1241)	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1:A:193:ARG:N	4	3.2
(1,1240)	1:D:191:LYS:C	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	5	3.2
(1,1239)	1:C:191:LYS:C	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	5	3.2
(1,1238)	1:B:191:LYS:C	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	5	3.2
(1,1237)	1:A:191:LYS:C	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	5	3.2
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	10	3.2
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	10	3.2
(1,1032)	1:D:160:ARG:C	1:D:161:HIS:N	1:D:161:HIS:CA	1:D:161:HIS:C	6	3.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1031)	1:C:160:ARG:C	1:C:161:HIS:N	1:C:161:HIS:CA	1:C:161:HIS:C	6	3.2
(1,1030)	1:B:160:ARG:C	1:B:161:HIS:N	1:B:161:HIS:CA	1:B:161:HIS:C	6	3.2
(1,1029)	1:A:160:ARG:C	1:A:161:HIS:N	1:A:161:HIS:CA	1:A:161:HIS:C	6	3.2
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	4	3.1
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	4	3.1
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	4	3.1
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	4	3.1
(1,68)	1:D:11:SER:C	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	8	3.1
(1,67)	1:C:11:SER:C	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	8	3.1
(1,65)	1:A:11:SER:C	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	8	3.1
(1,636)	1:D:90:ALA:C	1:D:91:ASN:N	1:D:91:ASN:CA	1:D:91:ASN:C	7	3.1
(1,635)	1:C:90:ALA:C	1:C:91:ASN:N	1:C:91:ASN:CA	1:C:91:ASN:C	7	3.1
(1,634)	1:B:90:ALA:C	1:B:91:ASN:N	1:B:91:ASN:CA	1:B:91:ASN:C	7	3.1
(1,633)	1:A:90:ALA:C	1:A:91:ASN:N	1:A:91:ASN:CA	1:A:91:ASN:C	7	3.1
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	9	3.1
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	9	3.1
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	9	3.1
(1,1960)	1:D:229:MET:C	1:D:230:HIS:N	1:D:230:HIS:CA	1:D:230:HIS:C	4	3.1
(1,1959)	1:C:229:MET:C	1:C:230:HIS:N	1:C:230:HIS:CA	1:C:230:HIS:C	4	3.1
(1,1958)	1:B:229:MET:C	1:B:230:HIS:N	1:B:230:HIS:CA	1:B:230:HIS:C	4	3.1
(1,1957)	1:A:229:MET:C	1:A:230:HIS:N	1:A:230:HIS:CA	1:A:230:HIS:C	4	3.1
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	5	3.1
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	5	3.1
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	5	3.1
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	5	3.1
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	2	3.1
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	2	3.1
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	2	3.1
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	2	3.1
(1,1816)	1:D:298:ILE:C	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	8	3.1
(1,1815)	1:C:298:ILE:C	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	8	3.1
(1,1814)	1:B:298:ILE:C	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	8	3.1
(1,1813)	1:A:298:ILE:C	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	8	3.1
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	3	3.1
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	3	3.1
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	3	3.1
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	3	3.1
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	10	3.1
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	10	3.1
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	10	3.1
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	10	3.1
(1,1452)	1:D:237:PRO:N	1:D:237:PRO:CA	1:D:237:PRO:C	1:D:238:LEU:N	6	3.1
(1,1451)	1:C:237:PRO:N	1:C:237:PRO:CA	1:C:237:PRO:C	1:C:238:LEU:N	6	3.1
(1,1450)	1:B:237:PRO:N	1:B:237:PRO:CA	1:B:237:PRO:C	1:B:238:LEU:N	6	3.1
(1,1449)	1:A:237:PRO:N	1:A:237:PRO:CA	1:A:237:PRO:C	1:A:238:LEU:N	6	3.1
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	7	3.1
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	7	3.1
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	7	3.1
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	7	3.1
(1,1392)	1:D:222:PHE:C	1:D:223:LEU:N	1:D:223:LEU:CA	1:D:223:LEU:C	5	3.1
(1,1391)	1:C:222:PHE:C	1:C:223:LEU:N	1:C:223:LEU:CA	1:C:223:LEU:C	5	3.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1390)	1:B:222:PHE:C	1:B:223:LEU:N	1:B:223:LEU:CA	1:B:223:LEU:C	5	3.1
(1,1389)	1:A:222:PHE:C	1:A:223:LEU:N	1:A:223:LEU:CA	1:A:223:LEU:C	5	3.1
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	5	3.1
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	8	3.1
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	8	3.1
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	8	3.1
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	8	3.1
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	8	3.1
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	9	3.0
(1,220)	1:D:35:THR:C	1:D:36:ARG:N	1:D:36:ARG:CA	1:D:36:ARG:C	9	3.0
(1,1976)	1:D:252:MET:C	1:D:253:LEU:N	1:D:253:LEU:CA	1:D:253:LEU:C	2	3.0
(1,1975)	1:C:252:MET:C	1:C:253:LEU:N	1:C:253:LEU:CA	1:C:253:LEU:C	2	3.0
(1,1974)	1:B:252:MET:C	1:B:253:LEU:N	1:B:253:LEU:CA	1:B:253:LEU:C	2	3.0
(1,1973)	1:A:252:MET:C	1:A:253:LEU:N	1:A:253:LEU:CA	1:A:253:LEU:C	2	3.0
(1,1912)	1:D:194:LEU:C	1:D:195:MET:N	1:D:195:MET:CA	1:D:195:MET:C	2	3.0
(1,1911)	1:C:194:LEU:C	1:C:195:MET:N	1:C:195:MET:CA	1:C:195:MET:C	2	3.0
(1,1910)	1:B:194:LEU:C	1:B:195:MET:N	1:B:195:MET:CA	1:B:195:MET:C	2	3.0
(1,1909)	1:A:194:LEU:C	1:A:195:MET:N	1:A:195:MET:CA	1:A:195:MET:C	2	3.0
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	5	3.0
(1,1452)	1:D:237:PRO:N	1:D:237:PRO:CA	1:D:237:PRO:C	1:D:238:LEU:N	7	3.0
(1,1452)	1:D:237:PRO:N	1:D:237:PRO:CA	1:D:237:PRO:C	1:D:238:LEU:N	10	3.0
(1,1451)	1:C:237:PRO:N	1:C:237:PRO:CA	1:C:237:PRO:C	1:C:238:LEU:N	7	3.0
(1,1451)	1:C:237:PRO:N	1:C:237:PRO:CA	1:C:237:PRO:C	1:C:238:LEU:N	10	3.0
(1,1450)	1:B:237:PRO:N	1:B:237:PRO:CA	1:B:237:PRO:C	1:B:238:LEU:N	7	3.0
(1,1450)	1:B:237:PRO:N	1:B:237:PRO:CA	1:B:237:PRO:C	1:B:238:LEU:N	10	3.0
(1,1449)	1:A:237:PRO:N	1:A:237:PRO:CA	1:A:237:PRO:C	1:A:238:LEU:N	7	3.0
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	8	3.0
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	8	3.0
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	8	3.0
(1,1361)	1:A:218:GLU:N	1:A:218:GLU:CA	1:A:218:GLU:C	1:A:219:HIS:N	3	3.0
(1,1355)	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1:C:218:GLU:N	8	3.0
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	5	3.0
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	5	3.0
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	5	3.0
(1,1224)	1:D:189:ARG:C	1:D:190:ALA:N	1:D:190:ALA:CA	1:D:190:ALA:C	9	3.0
(1,1223)	1:C:189:ARG:C	1:C:190:ALA:N	1:C:190:ALA:CA	1:C:190:ALA:C	9	3.0
(1,1222)	1:B:189:ARG:C	1:B:190:ALA:N	1:B:190:ALA:CA	1:B:190:ALA:C	9	3.0
(1,1221)	1:A:189:ARG:C	1:A:190:ALA:N	1:A:190:ALA:CA	1:A:190:ALA:C	9	3.0
(1,1204)	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	1:D:188:ALA:N	10	3.0
(1,1203)	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	1:C:188:ALA:N	10	3.0
(1,1202)	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	1:B:188:ALA:N	10	3.0
(1,1201)	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	1:A:188:ALA:N	10	3.0
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	9	3.0
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	9	3.0
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	9	3.0
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	9	3.0
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	1	3.0
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	1	3.0
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	1	3.0
(1,1132)	1:D:175:VAL:N	1:D:175:VAL:CA	1:D:175:VAL:C	1:D:176:ARG:N	2	3.0
(1,1132)	1:D:175:VAL:N	1:D:175:VAL:CA	1:D:175:VAL:C	1:D:176:ARG:N	5	3.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1131)	1:C:175:VAL:N	1:C:175:VAL:CA	1:C:175:VAL:C	1:C:176:ARG:N	2	3.0
(1,1131)	1:C:175:VAL:N	1:C:175:VAL:CA	1:C:175:VAL:C	1:C:176:ARG:N	5	3.0
(1,1130)	1:B:175:VAL:N	1:B:175:VAL:CA	1:B:175:VAL:C	1:B:176:ARG:N	2	3.0
(1,1130)	1:B:175:VAL:N	1:B:175:VAL:CA	1:B:175:VAL:C	1:B:176:ARG:N	5	3.0
(1,1129)	1:A:175:VAL:N	1:A:175:VAL:CA	1:A:175:VAL:C	1:A:176:ARG:N	2	3.0
(1,1129)	1:A:175:VAL:N	1:A:175:VAL:CA	1:A:175:VAL:C	1:A:176:ARG:N	5	3.0
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	4	3.0
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	4	3.0
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	4	3.0
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	8	3.0
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	8	3.0
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	8	3.0
(1,8)	1:D:3:VAL:N	1:D:3:VAL:CA	1:D:3:VAL:C	1:D:4:ASP:N	1	2.9
(1,7)	1:C:3:VAL:N	1:C:3:VAL:CA	1:C:3:VAL:C	1:C:4:ASP:N	1	2.9
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	6	2.9
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	6	2.9
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	6	2.9
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	6	2.9
(1,6)	1:B:3:VAL:N	1:B:3:VAL:CA	1:B:3:VAL:C	1:B:4:ASP:N	1	2.9
(1,5)	1:A:3:VAL:N	1:A:3:VAL:CA	1:A:3:VAL:C	1:A:4:ASP:N	1	2.9
(1,372)	1:D:55:ALA:C	1:D:56:LEU:N	1:D:56:LEU:CA	1:D:56:LEU:C	4	2.9
(1,371)	1:C:55:ALA:C	1:C:56:LEU:N	1:C:56:LEU:CA	1:C:56:LEU:C	4	2.9
(1,370)	1:B:55:ALA:C	1:B:56:LEU:N	1:B:56:LEU:CA	1:B:56:LEU:C	4	2.9
(1,369)	1:A:55:ALA:C	1:A:56:LEU:N	1:A:56:LEU:CA	1:A:56:LEU:C	4	2.9
(1,368)	1:D:55:ALA:N	1:D:55:ALA:CA	1:D:55:ALA:C	1:D:56:LEU:N	1	2.9
(1,367)	1:C:55:ALA:N	1:C:55:ALA:CA	1:C:55:ALA:C	1:C:56:LEU:N	1	2.9
(1,366)	1:B:55:ALA:N	1:B:55:ALA:CA	1:B:55:ALA:C	1:B:56:LEU:N	1	2.9
(1,365)	1:A:55:ALA:N	1:A:55:ALA:CA	1:A:55:ALA:C	1:A:56:LEU:N	1	2.9
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	2	2.9
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	2	2.9
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	2	2.9
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	2	2.9
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	8	2.9
(1,219)	1:C:35:THR:C	1:C:36:ARG:N	1:C:36:ARG:CA	1:C:36:ARG:C	9	2.9
(1,218)	1:B:35:THR:C	1:B:36:ARG:N	1:B:36:ARG:CA	1:B:36:ARG:C	9	2.9
(1,217)	1:A:35:THR:C	1:A:36:ARG:N	1:A:36:ARG:CA	1:A:36:ARG:C	9	2.9
(1,200)	1:D:32:TRP:N	1:D:32:TRP:CA	1:D:32:TRP:C	1:D:33:SER:N	3	2.9
(1,199)	1:C:32:TRP:N	1:C:32:TRP:CA	1:C:32:TRP:C	1:C:33:SER:N	3	2.9
(1,198)	1:B:32:TRP:N	1:B:32:TRP:CA	1:B:32:TRP:C	1:B:33:SER:N	3	2.9
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	9	2.9
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	9	2.9
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	9	2.9
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	9	2.9
(1,1816)	1:D:298:ILE:C	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	6	2.9
(1,1815)	1:C:298:ILE:C	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	6	2.9
(1,1814)	1:B:298:ILE:C	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	6	2.9
(1,1813)	1:A:298:ILE:C	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	6	2.9
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	1	2.9
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	1	2.9
(1,1730)	1:B:283:HIS:N	1:B:283:HIS:CA	1:B:283:HIS:C	1:B:284:ARG:N	8	2.9
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	2	2.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	9	2.9
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	2	2.9
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	9	2.9
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	2	2.9
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	9	2.9
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	2	2.9
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	9	2.9
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	9	2.9
(1,1449)	1:A:237:PRO:N	1:A:237:PRO:CA	1:A:237:PRO:C	1:A:238:LEU:N	10	2.9
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	8	2.9
(1,1418)	1:B:231:VAL:N	1:B:231:VAL:CA	1:B:231:VAL:C	1:B:232:ILE:N	3	2.9
(1,1417)	1:A:231:VAL:N	1:A:231:VAL:CA	1:A:231:VAL:C	1:A:232:ILE:N	3	2.9
(1,1364)	1:D:218:GLU:N	1:D:218:GLU:CA	1:D:218:GLU:C	1:D:219:HIS:N	3	2.9
(1,1363)	1:C:218:GLU:N	1:C:218:GLU:CA	1:C:218:GLU:C	1:C:219:HIS:N	3	2.9
(1,1362)	1:B:218:GLU:N	1:B:218:GLU:CA	1:B:218:GLU:C	1:B:219:HIS:N	3	2.9
(1,1356)	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1:D:218:GLU:N	8	2.9
(1,1354)	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1:B:218:GLU:N	8	2.9
(1,1353)	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1:A:218:GLU:N	8	2.9
(1,1348)	1:D:216:ARG:N	1:D:216:ARG:CA	1:D:216:ARG:C	1:D:217:ASN:N	6	2.9
(1,1347)	1:C:216:ARG:N	1:C:216:ARG:CA	1:C:216:ARG:C	1:C:217:ASN:N	6	2.9
(1,1346)	1:B:216:ARG:N	1:B:216:ARG:CA	1:B:216:ARG:C	1:B:217:ASN:N	6	2.9
(1,1345)	1:A:216:ARG:N	1:A:216:ARG:CA	1:A:216:ARG:C	1:A:217:ASN:N	6	2.9
(1,1308)	1:D:210:HIS:N	1:D:210:HIS:CA	1:D:210:HIS:C	1:D:211:ASP:N	8	2.9
(1,1307)	1:C:210:HIS:N	1:C:210:HIS:CA	1:C:210:HIS:C	1:C:211:ASP:N	8	2.9
(1,1305)	1:A:210:HIS:N	1:A:210:HIS:CA	1:A:210:HIS:C	1:A:211:ASP:N	8	2.9
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1	2.9
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	1	2.9
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	5	2.9
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	5	2.9
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	4	2.9
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	5	2.9
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	5	2.9
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	7	2.8
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	7	2.8
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	7	2.8
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	7	2.8
(1,60)	1:D:10:SER:C	1:D:11:SER:N	1:D:11:SER:CA	1:D:11:SER:C	9	2.8
(1,59)	1:C:10:SER:C	1:C:11:SER:N	1:C:11:SER:CA	1:C:11:SER:C	9	2.8
(1,57)	1:A:10:SER:C	1:A:11:SER:N	1:A:11:SER:CA	1:A:11:SER:C	9	2.8
(1,412)	1:D:60:TRP:C	1:D:61:PRO:N	1:D:61:PRO:CA	1:D:61:PRO:C	4	2.8
(1,411)	1:C:60:TRP:C	1:C:61:PRO:N	1:C:61:PRO:CA	1:C:61:PRO:C	4	2.8
(1,410)	1:B:60:TRP:C	1:B:61:PRO:N	1:B:61:PRO:CA	1:B:61:PRO:C	4	2.8
(1,409)	1:A:60:TRP:C	1:A:61:PRO:N	1:A:61:PRO:CA	1:A:61:PRO:C	4	2.8
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	8	2.8
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	8	2.8
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	8	2.8
(1,197)	1:A:32:TRP:N	1:A:32:TRP:CA	1:A:32:TRP:C	1:A:33:SER:N	3	2.8
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	1	2.8
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	1	2.8
(1,1732)	1:D:283:HIS:N	1:D:283:HIS:CA	1:D:283:HIS:C	1:D:284:ARG:N	8	2.8
(1,1729)	1:A:283:HIS:N	1:A:283:HIS:CA	1:A:283:HIS:C	1:A:284:ARG:N	8	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	8	2.8
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	8	2.8
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	8	2.8
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	8	2.8
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	9	2.8
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	9	2.8
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	9	2.8
(1,1420)	1:D:231:VAL:N	1:D:231:VAL:CA	1:D:231:VAL:C	1:D:232:ILE:N	3	2.8
(1,1419)	1:C:231:VAL:N	1:C:231:VAL:CA	1:C:231:VAL:C	1:C:232:ILE:N	3	2.8
(1,1306)	1:B:210:HIS:N	1:B:210:HIS:CA	1:B:210:HIS:C	1:B:211:ASP:N	8	2.8
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1	2.8
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1	2.8
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1	2.8
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	7	2.8
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	7	2.8
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	7	2.8
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	7	2.8
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	3	2.8
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	3	2.8
(1,728)	1:D:106:GLU:N	1:D:106:GLU:CA	1:D:106:GLU:C	1:D:107:THR:N	5	2.7
(1,727)	1:C:106:GLU:N	1:C:106:GLU:CA	1:C:106:GLU:C	1:C:107:THR:N	5	2.7
(1,726)	1:B:106:GLU:N	1:B:106:GLU:CA	1:B:106:GLU:C	1:B:107:THR:N	5	2.7
(1,725)	1:A:106:GLU:N	1:A:106:GLU:CA	1:A:106:GLU:C	1:A:107:THR:N	5	2.7
(1,58)	1:B:10:SER:C	1:B:11:SER:N	1:B:11:SER:CA	1:B:11:SER:C	9	2.7
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	4	2.7
(1,1992)	1:D:260:SER:C	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	1	2.7
(1,1991)	1:C:260:SER:C	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	1	2.7
(1,1989)	1:A:260:SER:C	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	1	2.7
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	5	2.7
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	5	2.7
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	5	2.7
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	5	2.7
(1,1884)	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	1:D:115:ASP:N	8	2.7
(1,1883)	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	1:C:115:ASP:N	8	2.7
(1,1882)	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	1:B:115:ASP:N	8	2.7
(1,1881)	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	1:A:115:ASP:N	8	2.7
(1,1731)	1:C:283:HIS:N	1:C:283:HIS:CA	1:C:283:HIS:C	1:C:284:ARG:N	8	2.7
(1,1600)	1:D:265:ALA:C	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	3	2.7
(1,1599)	1:C:265:ALA:C	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	3	2.7
(1,1598)	1:B:265:ALA:C	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	3	2.7
(1,1597)	1:A:265:ALA:C	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	3	2.7
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	3	2.7
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	3	2.7
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	3	2.7
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	9	2.7
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	3	2.7
(1,140)	1:D:21:ALA:C	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	10	2.7
(1,139)	1:C:21:ALA:C	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	10	2.7
(1,1378)	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1:B:222:PHE:N	4	2.7
(1,1377)	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1:A:222:PHE:N	4	2.7
(1,1376)	1:D:220:PRO:C	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	7	2.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1375)	1:C:220:PRO:C	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	7	2.7
(1,1374)	1:B:220:PRO:C	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	7	2.7
(1,1373)	1:A:220:PRO:C	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	7	2.7
(1,137)	1:A:21:ALA:C	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	10	2.7
(1,1336)	1:D:214:LEU:C	1:D:215:VAL:N	1:D:215:VAL:CA	1:D:215:VAL:C	3	2.7
(1,1335)	1:C:214:LEU:C	1:C:215:VAL:N	1:C:215:VAL:CA	1:C:215:VAL:C	3	2.7
(1,1334)	1:B:214:LEU:C	1:B:215:VAL:N	1:B:215:VAL:CA	1:B:215:VAL:C	3	2.7
(1,1333)	1:A:214:LEU:C	1:A:215:VAL:N	1:A:215:VAL:CA	1:A:215:VAL:C	3	2.7
(1,1212)	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	1:D:189:ARG:N	5	2.7
(1,1211)	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	1:C:189:ARG:N	5	2.7
(1,1210)	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	1:B:189:ARG:N	5	2.7
(1,1209)	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	1:A:189:ARG:N	5	2.7
(1,1200)	1:D:186:ALA:C	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	3	2.7
(1,1199)	1:C:186:ALA:C	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	3	2.7
(1,1198)	1:B:186:ALA:C	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	3	2.7
(1,1197)	1:A:186:ALA:C	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	3	2.7
(1,1164)	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	1:D:181:ARG:N	9	2.7
(1,1163)	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	1:C:181:ARG:N	9	2.7
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	10	2.7
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	10	2.7
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	10	2.7
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	10	2.7
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	3	2.7
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	3	2.7
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	10	2.6
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	10	2.6
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	10	2.6
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	10	2.6
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	5	2.6
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	5	2.6
(1,52)	1:D:9:HIS:C	1:D:10:SER:N	1:D:10:SER:CA	1:D:10:SER:C	7	2.6
(1,49)	1:A:9:HIS:C	1:A:10:SER:N	1:A:10:SER:CA	1:A:10:SER:C	7	2.6
(1,371)	1:C:55:ALA:C	1:C:56:LEU:N	1:C:56:LEU:CA	1:C:56:LEU:C	7	2.6
(1,370)	1:B:55:ALA:C	1:B:56:LEU:N	1:B:56:LEU:CA	1:B:56:LEU:C	7	2.6
(1,369)	1:A:55:ALA:C	1:A:56:LEU:N	1:A:56:LEU:CA	1:A:56:LEU:C	7	2.6
(1,367)	1:C:55:ALA:N	1:C:55:ALA:CA	1:C:55:ALA:C	1:C:56:LEU:N	7	2.6
(1,366)	1:B:55:ALA:N	1:B:55:ALA:CA	1:B:55:ALA:C	1:B:56:LEU:N	7	2.6
(1,365)	1:A:55:ALA:N	1:A:55:ALA:CA	1:A:55:ALA:C	1:A:56:LEU:N	7	2.6
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	4	2.6
(1,1992)	1:D:260:SER:C	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	7	2.6
(1,1991)	1:C:260:SER:C	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	7	2.6
(1,1990)	1:B:260:SER:C	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	1	2.6
(1,1989)	1:A:260:SER:C	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	7	2.6
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	10	2.6
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	10	2.6
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	2	2.6
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	2	2.6
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	2	2.6
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	2	2.6
(1,1795)	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	1:C:297:HIS:N	1	2.6
(1,1794)	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	1:B:297:HIS:N	1	2.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1793)	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	1:A:297:HIS:N	1	2.6
(1,1604)	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	1:D:267:VAL:N	8	2.6
(1,1603)	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	1:C:267:VAL:N	8	2.6
(1,1449)	1:A:237:PRO:N	1:A:237:PRO:CA	1:A:237:PRO:C	1:A:238:LEU:N	9	2.6
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	9	2.6
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	9	2.6
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	9	2.6
(1,1380)	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1:D:222:PHE:N	4	2.6
(1,138)	1:B:21:ALA:C	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	10	2.6
(1,1379)	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1:C:222:PHE:N	4	2.6
(1,1204)	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	1:D:188:ALA:N	1	2.6
(1,1203)	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	1:C:188:ALA:N	1	2.6
(1,1202)	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	1:B:188:ALA:N	1	2.6
(1,1201)	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	1:A:188:ALA:N	1	2.6
(1,1200)	1:D:186:ALA:C	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	7	2.6
(1,1199)	1:C:186:ALA:C	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	7	2.6
(1,1198)	1:B:186:ALA:C	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	7	2.6
(1,1197)	1:A:186:ALA:C	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	7	2.6
(1,1162)	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	1:B:181:ARG:N	9	2.6
(1,1161)	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	1:A:181:ARG:N	9	2.6
(1,1132)	1:D:175:VAL:N	1:D:175:VAL:CA	1:D:175:VAL:C	1:D:176:ARG:N	9	2.6
(1,1131)	1:C:175:VAL:N	1:C:175:VAL:CA	1:C:175:VAL:C	1:C:176:ARG:N	9	2.6
(1,1130)	1:B:175:VAL:N	1:B:175:VAL:CA	1:B:175:VAL:C	1:B:176:ARG:N	9	2.6
(1,1129)	1:A:175:VAL:N	1:A:175:VAL:CA	1:A:175:VAL:C	1:A:176:ARG:N	9	2.6
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	10	2.6
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	10	2.6
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	10	2.6
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	10	2.6
(1,1028)	1:D:160:ARG:N	1:D:160:ARG:CA	1:D:160:ARG:C	1:D:161:HIS:N	6	2.6
(1,1027)	1:C:160:ARG:N	1:C:160:ARG:CA	1:C:160:ARG:C	1:C:161:HIS:N	6	2.6
(1,1026)	1:B:160:ARG:N	1:B:160:ARG:CA	1:B:160:ARG:C	1:B:161:HIS:N	6	2.6
(1,1025)	1:A:160:ARG:N	1:A:160:ARG:CA	1:A:160:ARG:C	1:A:161:HIS:N	6	2.6
(1,999)	1:C:154:ALA:C	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	5	2.5
(1,998)	1:B:154:ALA:C	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	5	2.5
(1,997)	1:A:154:ALA:C	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	5	2.5
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	5	2.5
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	5	2.5
(1,736)	1:D:116:MET:C	1:D:117:HIS:N	1:D:117:HIS:CA	1:D:117:HIS:C	5	2.5
(1,734)	1:B:116:MET:C	1:B:117:HIS:N	1:B:117:HIS:CA	1:B:117:HIS:C	5	2.5
(1,733)	1:A:116:MET:C	1:A:117:HIS:N	1:A:117:HIS:CA	1:A:117:HIS:C	5	2.5
(1,711)	1:C:104:SER:N	1:C:104:SER:CA	1:C:104:SER:C	1:C:105:VAL:N	10	2.5
(1,710)	1:B:104:SER:N	1:B:104:SER:CA	1:B:104:SER:C	1:B:105:VAL:N	8	2.5
(1,710)	1:B:104:SER:N	1:B:104:SER:CA	1:B:104:SER:C	1:B:105:VAL:N	10	2.5
(1,709)	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	1:A:105:VAL:N	10	2.5
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	2	2.5
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	10	2.5
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	2	2.5
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	10	2.5
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	2	2.5
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	10	2.5
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	2	2.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	10	2.5
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	6	2.5
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	6	2.5
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	6	2.5
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	6	2.5
(1,51)	1:C:9:HIS:C	1:C:10:SER:N	1:C:10:SER:CA	1:C:10:SER:C	7	2.5
(1,50)	1:B:9:HIS:C	1:B:10:SER:N	1:B:10:SER:CA	1:B:10:SER:C	7	2.5
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	5	2.5
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	8	2.5
(1,372)	1:D:55:ALA:C	1:D:56:LEU:N	1:D:56:LEU:CA	1:D:56:LEU:C	7	2.5
(1,368)	1:D:55:ALA:N	1:D:55:ALA:CA	1:D:55:ALA:C	1:D:56:LEU:N	7	2.5
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	4	2.5
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	4	2.5
(1,220)	1:D:35:THR:C	1:D:36:ARG:N	1:D:36:ARG:CA	1:D:36:ARG:C	2	2.5
(1,219)	1:C:35:THR:C	1:C:36:ARG:N	1:C:36:ARG:CA	1:C:36:ARG:C	2	2.5
(1,218)	1:B:35:THR:C	1:B:36:ARG:N	1:B:36:ARG:CA	1:B:36:ARG:C	2	2.5
(1,217)	1:A:35:THR:C	1:A:36:ARG:N	1:A:36:ARG:CA	1:A:36:ARG:C	2	2.5
(1,1990)	1:B:260:SER:C	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	7	2.5
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	10	2.5
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	10	2.5
(1,1840)	1:D:8:PRO:C	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	9	2.5
(1,184)	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	1:D:30:ARG:N	10	2.5
(1,183)	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	1:C:30:ARG:N	10	2.5
(1,1824)	1:D:299:ASP:C	1:D:300:TYR:N	1:D:300:TYR:CA	1:D:300:TYR:C	3	2.5
(1,1822)	1:B:299:ASP:C	1:B:300:TYR:N	1:B:300:TYR:CA	1:B:300:TYR:C	3	2.5
(1,1821)	1:A:299:ASP:C	1:A:300:TYR:N	1:A:300:TYR:CA	1:A:300:TYR:C	3	2.5
(1,182)	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	1:B:30:ARG:N	10	2.5
(1,181)	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	1:A:30:ARG:N	10	2.5
(1,1796)	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	1:D:297:HIS:N	1	2.5
(1,1602)	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	1:B:267:VAL:N	8	2.5
(1,1601)	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	1:A:267:VAL:N	8	2.5
(1,1451)	1:C:237:PRO:N	1:C:237:PRO:CA	1:C:237:PRO:C	1:C:238:LEU:N	9	2.5
(1,1450)	1:B:237:PRO:N	1:B:237:PRO:CA	1:B:237:PRO:C	1:B:238:LEU:N	9	2.5
(1,1164)	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	1:D:181:ARG:N	4	2.5
(1,1161)	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	1:A:181:ARG:N	4	2.5
(1,1132)	1:D:175:VAL:N	1:D:175:VAL:CA	1:D:175:VAL:C	1:D:176:ARG:N	4	2.5
(1,1131)	1:C:175:VAL:N	1:C:175:VAL:CA	1:C:175:VAL:C	1:C:176:ARG:N	4	2.5
(1,1129)	1:A:175:VAL:N	1:A:175:VAL:CA	1:A:175:VAL:C	1:A:176:ARG:N	4	2.5
(1,1122)	1:B:174:MET:N	1:B:174:MET:CA	1:B:174:MET:C	1:B:175:VAL:N	7	2.5
(1,1121)	1:A:174:MET:N	1:A:174:MET:CA	1:A:174:MET:C	1:A:175:VAL:N	7	2.5
(1,1000)	1:D:154:ALA:C	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	5	2.5
(1,735)	1:C:116:MET:C	1:C:117:HIS:N	1:C:117:HIS:CA	1:C:117:HIS:C	5	2.4
(1,712)	1:D:104:SER:N	1:D:104:SER:CA	1:D:104:SER:C	1:D:105:VAL:N	8	2.4
(1,712)	1:D:104:SER:N	1:D:104:SER:CA	1:D:104:SER:C	1:D:105:VAL:N	10	2.4
(1,711)	1:C:104:SER:N	1:C:104:SER:CA	1:C:104:SER:C	1:C:105:VAL:N	8	2.4
(1,709)	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	1:A:105:VAL:N	8	2.4
(1,48)	1:D:8:PRO:N	1:D:8:PRO:CA	1:D:8:PRO:C	1:D:9:HIS:N	4	2.4
(1,47)	1:C:8:PRO:N	1:C:8:PRO:CA	1:C:8:PRO:C	1:C:9:HIS:N	4	2.4
(1,45)	1:A:8:PRO:N	1:A:8:PRO:CA	1:A:8:PRO:C	1:A:9:HIS:N	4	2.4
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	5	2.4
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	8	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	5	2.4
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	5	2.4
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	8	2.4
(1,216)	1:D:35:THR:N	1:D:35:THR:CA	1:D:35:THR:C	1:D:36:ARG:N	2	2.4
(1,215)	1:C:35:THR:N	1:C:35:THR:CA	1:C:35:THR:C	1:C:36:ARG:N	2	2.4
(1,214)	1:B:35:THR:N	1:B:35:THR:CA	1:B:35:THR:C	1:B:36:ARG:N	2	2.4
(1,213)	1:A:35:THR:N	1:A:35:THR:CA	1:A:35:THR:C	1:A:36:ARG:N	2	2.4
(1,200)	1:D:32:TRP:N	1:D:32:TRP:CA	1:D:32:TRP:C	1:D:33:SER:N	4	2.4
(1,199)	1:C:32:TRP:N	1:C:32:TRP:CA	1:C:32:TRP:C	1:C:33:SER:N	4	2.4
(1,198)	1:B:32:TRP:N	1:B:32:TRP:CA	1:B:32:TRP:C	1:B:33:SER:N	4	2.4
(1,197)	1:A:32:TRP:N	1:A:32:TRP:CA	1:A:32:TRP:C	1:A:33:SER:N	4	2.4
(1,188)	1:D:30:ARG:C	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	5	2.4
(1,1839)	1:C:8:PRO:C	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	9	2.4
(1,1838)	1:B:8:PRO:C	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	9	2.4
(1,1837)	1:A:8:PRO:C	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	9	2.4
(1,1823)	1:C:299:ASP:C	1:C:300:TYR:N	1:C:300:TYR:CA	1:C:300:TYR:C	3	2.4
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	3	2.4
(1,1452)	1:D:237:PRO:N	1:D:237:PRO:CA	1:D:237:PRO:C	1:D:238:LEU:N	9	2.4
(1,1163)	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	1:C:181:ARG:N	4	2.4
(1,1162)	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	1:B:181:ARG:N	4	2.4
(1,1130)	1:B:175:VAL:N	1:B:175:VAL:CA	1:B:175:VAL:C	1:B:176:ARG:N	4	2.4
(1,1124)	1:D:174:MET:N	1:D:174:MET:CA	1:D:174:MET:C	1:D:175:VAL:N	7	2.4
(1,1123)	1:C:174:MET:N	1:C:174:MET:CA	1:C:174:MET:C	1:C:175:VAL:N	7	2.4
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	7	2.4
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	7	2.4
(1,998)	1:B:154:ALA:C	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	9	2.3
(1,728)	1:D:106:GLU:N	1:D:106:GLU:CA	1:D:106:GLU:C	1:D:107:THR:N	6	2.3
(1,728)	1:D:106:GLU:N	1:D:106:GLU:CA	1:D:106:GLU:C	1:D:107:THR:N	7	2.3
(1,727)	1:C:106:GLU:N	1:C:106:GLU:CA	1:C:106:GLU:C	1:C:107:THR:N	6	2.3
(1,727)	1:C:106:GLU:N	1:C:106:GLU:CA	1:C:106:GLU:C	1:C:107:THR:N	7	2.3
(1,726)	1:B:106:GLU:N	1:B:106:GLU:CA	1:B:106:GLU:C	1:B:107:THR:N	6	2.3
(1,726)	1:B:106:GLU:N	1:B:106:GLU:CA	1:B:106:GLU:C	1:B:107:THR:N	7	2.3
(1,725)	1:A:106:GLU:N	1:A:106:GLU:CA	1:A:106:GLU:C	1:A:107:THR:N	6	2.3
(1,725)	1:A:106:GLU:N	1:A:106:GLU:CA	1:A:106:GLU:C	1:A:107:THR:N	7	2.3
(1,46)	1:B:8:PRO:N	1:B:8:PRO:CA	1:B:8:PRO:C	1:B:9:HIS:N	4	2.3
(1,408)	1:D:60:TRP:N	1:D:60:TRP:CA	1:D:60:TRP:C	1:D:61:PRO:N	6	2.3
(1,407)	1:C:60:TRP:N	1:C:60:TRP:CA	1:C:60:TRP:C	1:C:61:PRO:N	6	2.3
(1,406)	1:B:60:TRP:N	1:B:60:TRP:CA	1:B:60:TRP:C	1:B:61:PRO:N	6	2.3
(1,405)	1:A:60:TRP:N	1:A:60:TRP:CA	1:A:60:TRP:C	1:A:61:PRO:N	6	2.3
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	8	2.3
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	5	2.3
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	5	2.3
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	5	2.3
(1,244)	1:D:38:VAL:C	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	4	2.3
(1,242)	1:B:38:VAL:C	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	4	2.3
(1,241)	1:A:38:VAL:C	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	4	2.3
(1,1876)	1:D:95:PRO:N	1:D:95:PRO:CA	1:D:95:PRO:C	1:D:96:GLY:N	6	2.3
(1,1875)	1:C:95:PRO:N	1:C:95:PRO:CA	1:C:95:PRO:C	1:C:96:GLY:N	6	2.3
(1,1874)	1:B:95:PRO:N	1:B:95:PRO:CA	1:B:95:PRO:C	1:B:96:GLY:N	6	2.3
(1,1873)	1:A:95:PRO:N	1:A:95:PRO:CA	1:A:95:PRO:C	1:A:96:GLY:N	6	2.3
(1,187)	1:C:30:ARG:C	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	5	2.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,186)	1:B:30:ARG:C	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	5	2.3
(1,185)	1:A:30:ARG:C	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	5	2.3
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	7	2.3
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	7	2.3
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	1	2.3
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	3	2.3
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	1	2.3
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	1	2.3
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	3	2.3
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	1	2.3
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	3	2.3
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	10	2.3
(1,1788)	1:D:295:MET:N	1:D:295:MET:CA	1:D:295:MET:C	1:D:296:THR:N	8	2.3
(1,1786)	1:B:295:MET:N	1:B:295:MET:CA	1:B:295:MET:C	1:B:296:THR:N	8	2.3
(1,1785)	1:A:295:MET:N	1:A:295:MET:CA	1:A:295:MET:C	1:A:296:THR:N	8	2.3
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	10	2.3
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	10	2.3
(1,1687)	1:C:277:ASP:C	1:C:278:ASP:N	1:C:278:ASP:CA	1:C:278:ASP:C	10	2.3
(1,1686)	1:B:277:ASP:C	1:B:278:ASP:N	1:B:278:ASP:CA	1:B:278:ASP:C	10	2.3
(1,1685)	1:A:277:ASP:C	1:A:278:ASP:N	1:A:278:ASP:CA	1:A:278:ASP:C	10	2.3
(1,1380)	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1:D:222:PHE:N	6	2.3
(1,1379)	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1:C:222:PHE:N	6	2.3
(1,1378)	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1:B:222:PHE:N	6	2.3
(1,1377)	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1:A:222:PHE:N	6	2.3
(1,1260)	1:D:194:LEU:N	1:D:194:LEU:CA	1:D:194:LEU:C	1:D:195:MET:N	1	2.3
(1,1259)	1:C:194:LEU:N	1:C:194:LEU:CA	1:C:194:LEU:C	1:C:195:MET:N	1	2.3
(1,1258)	1:B:194:LEU:N	1:B:194:LEU:CA	1:B:194:LEU:C	1:B:195:MET:N	1	2.3
(1,1257)	1:A:194:LEU:N	1:A:194:LEU:CA	1:A:194:LEU:C	1:A:195:MET:N	1	2.3
(1,1220)	1:D:189:ARG:N	1:D:189:ARG:CA	1:D:189:ARG:C	1:D:190:ALA:N	3	2.3
(1,1219)	1:C:189:ARG:N	1:C:189:ARG:CA	1:C:189:ARG:C	1:C:190:ALA:N	3	2.3
(1,1218)	1:B:189:ARG:N	1:B:189:ARG:CA	1:B:189:ARG:C	1:B:190:ALA:N	3	2.3
(1,1217)	1:A:189:ARG:N	1:A:189:ARG:CA	1:A:189:ARG:C	1:A:190:ALA:N	3	2.3
(1,1184)	1:D:183:ASN:C	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	1	2.3
(1,1183)	1:C:183:ASN:C	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	1	2.3
(1,1182)	1:B:183:ASN:C	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	1	2.3
(1,1181)	1:A:183:ASN:C	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	1	2.3
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	7	2.3
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	7	2.3
(1,997)	1:A:154:ALA:C	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	9	2.2
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	3	2.2
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	3	2.2
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	3	2.2
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	3	2.2
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	4	2.2
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	4	2.2
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	4	2.2
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	5	2.2
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	5	2.2
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	5	2.2
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	5	2.2
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	5	2.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,243)	1:C:38:VAL:C	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	4	2.2
(1,1938)	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	1:B:220:PRO:N	10	2.2
(1,185)	1:A:30:ARG:C	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	10	2.2
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	7	2.2
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	7	2.2
(1,1840)	1:D:8:PRO:C	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	8	2.2
(1,1839)	1:C:8:PRO:C	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	8	2.2
(1,1838)	1:B:8:PRO:C	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	8	2.2
(1,1837)	1:A:8:PRO:C	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	8	2.2
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	10	2.2
(1,1787)	1:C:295:MET:N	1:C:295:MET:CA	1:C:295:MET:C	1:C:296:THR:N	8	2.2
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	10	2.2
(1,1688)	1:D:277:ASP:C	1:D:278:ASP:N	1:D:278:ASP:CA	1:D:278:ASP:C	10	2.2
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	1	2.2
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	1	2.2
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	1	2.2
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	1	2.2
(1,1608)	1:D:266:GLN:C	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	1	2.2
(1,1607)	1:C:266:GLN:C	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	1	2.2
(1,1606)	1:B:266:GLN:C	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	1	2.2
(1,140)	1:D:21:ALA:C	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1	2.2
(1,139)	1:C:21:ALA:C	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1	2.2
(1,138)	1:B:21:ALA:C	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1	2.2
(1,137)	1:A:21:ALA:C	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1	2.2
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	3	2.2
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	3	2.2
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	3	2.2
(1,1308)	1:D:210:HIS:N	1:D:210:HIS:CA	1:D:210:HIS:C	1:D:211:ASP:N	1	2.2
(1,1307)	1:C:210:HIS:N	1:C:210:HIS:CA	1:C:210:HIS:C	1:C:211:ASP:N	1	2.2
(1,1306)	1:B:210:HIS:N	1:B:210:HIS:CA	1:B:210:HIS:C	1:B:211:ASP:N	1	2.2
(1,1305)	1:A:210:HIS:N	1:A:210:HIS:CA	1:A:210:HIS:C	1:A:211:ASP:N	1	2.2
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	7	2.2
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	7	2.2
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	7	2.2
(1,1210)	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	1:B:189:ARG:N	10	2.2
(1,1209)	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	1:A:189:ARG:N	10	2.2
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	7	2.2
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	7	2.2
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	7	2.2
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	7	2.2
(1,1000)	1:D:154:ALA:C	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	9	2.2
(1,999)	1:C:154:ALA:C	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	9	2.1
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	2	2.1
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	2	2.1
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	2	2.1
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	2	2.1
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	4	2.1
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	4	2.1
(1,52)	1:D:9:HIS:C	1:D:10:SER:N	1:D:10:SER:CA	1:D:10:SER:C	9	2.1
(1,51)	1:C:9:HIS:C	1:C:10:SER:N	1:C:10:SER:CA	1:C:10:SER:C	9	2.1
(1,50)	1:B:9:HIS:C	1:B:10:SER:N	1:B:10:SER:CA	1:B:10:SER:C	9	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,49)	1:A:9:HIS:C	1:A:10:SER:N	1:A:10:SER:CA	1:A:10:SER:C	9	2.1
(1,48)	1:D:8:PRO:N	1:D:8:PRO:CA	1:D:8:PRO:C	1:D:9:HIS:N	8	2.1
(1,47)	1:C:8:PRO:N	1:C:8:PRO:CA	1:C:8:PRO:C	1:C:9:HIS:N	8	2.1
(1,46)	1:B:8:PRO:N	1:B:8:PRO:CA	1:B:8:PRO:C	1:B:9:HIS:N	8	2.1
(1,45)	1:A:8:PRO:N	1:A:8:PRO:CA	1:A:8:PRO:C	1:A:9:HIS:N	8	2.1
(1,368)	1:D:55:ALA:N	1:D:55:ALA:CA	1:D:55:ALA:C	1:D:56:LEU:N	2	2.1
(1,367)	1:C:55:ALA:N	1:C:55:ALA:CA	1:C:55:ALA:C	1:C:56:LEU:N	2	2.1
(1,366)	1:B:55:ALA:N	1:B:55:ALA:CA	1:B:55:ALA:C	1:B:56:LEU:N	2	2.1
(1,365)	1:A:55:ALA:N	1:A:55:ALA:CA	1:A:55:ALA:C	1:A:56:LEU:N	2	2.1
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	4	2.1
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	4	2.1
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	4	2.1
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	2	2.1
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	2	2.1
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	2	2.1
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	2	2.1
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	4	2.1
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	4	2.1
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	4	2.1
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	4	2.1
(1,1940)	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	1:D:220:PRO:N	10	2.1
(1,1939)	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	1:C:220:PRO:N	10	2.1
(1,1937)	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	1:A:220:PRO:N	10	2.1
(1,188)	1:D:30:ARG:C	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	10	2.1
(1,187)	1:C:30:ARG:C	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	10	2.1
(1,186)	1:B:30:ARG:C	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	10	2.1
(1,1840)	1:D:8:PRO:C	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	2	2.1
(1,1839)	1:C:8:PRO:C	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	2	2.1
(1,1838)	1:B:8:PRO:C	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	2	2.1
(1,1837)	1:A:8:PRO:C	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	2	2.1
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	10	2.1
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	10	2.1
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	10	2.1
(1,1605)	1:A:266:GLN:C	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	1	2.1
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	4	2.1
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	4	2.1
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	4	2.1
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	4	2.1
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	4	2.1
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	4	2.1
(1,1356)	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1:D:218:GLU:N	3	2.1
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	2	2.1
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	2	2.1
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	2	2.1
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	3	2.1
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	2	2.1
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	7	2.1
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	4	2.1
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	6	2.1
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	4	2.1
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	6	2.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	4	2.1
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	6	2.1
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	4	2.1
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	6	2.1
(1,1240)	1:D:191:LYS:C	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	1	2.1
(1,1239)	1:C:191:LYS:C	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	1	2.1
(1,1238)	1:B:191:LYS:C	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	1	2.1
(1,1237)	1:A:191:LYS:C	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	1	2.1
(1,1212)	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	1:D:189:ARG:N	10	2.1
(1,1211)	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	1:C:189:ARG:N	10	2.1
(1,1188)	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	1:D:185:ILE:N	2	2.1
(1,1187)	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	1:C:185:ILE:N	2	2.1
(1,1186)	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	1:B:185:ILE:N	2	2.1
(1,1185)	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	1:A:185:ILE:N	2	2.1
(1,1044)	1:D:162:ALA:N	1:D:162:ALA:CA	1:D:162:ALA:C	1:D:163:ILE:N	2	2.1
(1,1043)	1:C:162:ALA:N	1:C:162:ALA:CA	1:C:162:ALA:C	1:C:163:ILE:N	2	2.1
(1,1042)	1:B:162:ALA:N	1:B:162:ALA:CA	1:B:162:ALA:C	1:B:163:ILE:N	2	2.1
(1,1041)	1:A:162:ALA:N	1:A:162:ALA:CA	1:A:162:ALA:C	1:A:163:ILE:N	2	2.1
(1,1024)	1:D:159:ALA:C	1:D:160:ARG:N	1:D:160:ARG:CA	1:D:160:ARG:C	4	2.1
(1,1023)	1:C:159:ALA:C	1:C:160:ARG:N	1:C:160:ARG:CA	1:C:160:ARG:C	4	2.1
(1,1022)	1:B:159:ALA:C	1:B:160:ARG:N	1:B:160:ARG:CA	1:B:160:ARG:C	4	2.1
(1,1021)	1:A:159:ALA:C	1:A:160:ARG:N	1:A:160:ARG:CA	1:A:160:ARG:C	4	2.1
(1,76)	1:D:12:ASP:C	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	2	2.0
(1,75)	1:C:12:ASP:C	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	2	2.0
(1,74)	1:B:12:ASP:C	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	2	2.0
(1,73)	1:A:12:ASP:C	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	2	2.0
(1,68)	1:D:11:SER:C	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	7	2.0
(1,67)	1:C:11:SER:C	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	7	2.0
(1,66)	1:B:11:SER:C	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	7	2.0
(1,65)	1:A:11:SER:C	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	7	2.0
(1,408)	1:D:60:TRP:N	1:D:60:TRP:CA	1:D:60:TRP:C	1:D:61:PRO:N	1	2.0
(1,407)	1:C:60:TRP:N	1:C:60:TRP:CA	1:C:60:TRP:C	1:C:61:PRO:N	1	2.0
(1,406)	1:B:60:TRP:N	1:B:60:TRP:CA	1:B:60:TRP:C	1:B:61:PRO:N	1	2.0
(1,405)	1:A:60:TRP:N	1:A:60:TRP:CA	1:A:60:TRP:C	1:A:61:PRO:N	1	2.0
(1,386)	1:B:57:LYS:C	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	4	2.0
(1,385)	1:A:57:LYS:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	4	2.0
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	7	2.0
(1,380)	1:D:56:LEU:C	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	6	2.0
(1,379)	1:C:56:LEU:C	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	6	2.0
(1,378)	1:B:56:LEU:C	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	6	2.0
(1,377)	1:A:56:LEU:C	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	6	2.0
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	8	2.0
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	8	2.0
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	8	2.0
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	8	2.0
(1,192)	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	1:D:32:TRP:N	8	2.0
(1,191)	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	1:C:32:TRP:N	8	2.0
(1,190)	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	1:B:32:TRP:N	8	2.0
(1,190)	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	1:B:32:TRP:N	10	2.0
(1,189)	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	1:A:32:TRP:N	8	2.0
(1,189)	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	1:A:32:TRP:N	10	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	6	2.0
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	6	2.0
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	6	2.0
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	6	2.0
(1,1876)	1:D:95:PRO:N	1:D:95:PRO:CA	1:D:95:PRO:C	1:D:96:GLY:N	3	2.0
(1,1875)	1:C:95:PRO:N	1:C:95:PRO:CA	1:C:95:PRO:C	1:C:96:GLY:N	3	2.0
(1,1873)	1:A:95:PRO:N	1:A:95:PRO:CA	1:A:95:PRO:C	1:A:96:GLY:N	3	2.0
(1,1840)	1:D:8:PRO:C	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	6	2.0
(1,1839)	1:C:8:PRO:C	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	6	2.0
(1,1838)	1:B:8:PRO:C	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	6	2.0
(1,1837)	1:A:8:PRO:C	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	6	2.0
(1,1788)	1:D:295:MET:N	1:D:295:MET:CA	1:D:295:MET:C	1:D:296:THR:N	3	2.0
(1,1787)	1:C:295:MET:N	1:C:295:MET:CA	1:C:295:MET:C	1:C:296:THR:N	3	2.0
(1,1786)	1:B:295:MET:N	1:B:295:MET:CA	1:B:295:MET:C	1:B:296:THR:N	3	2.0
(1,1785)	1:A:295:MET:N	1:A:295:MET:CA	1:A:295:MET:C	1:A:296:THR:N	3	2.0
(1,1740)	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	1:D:285:TYR:N	6	2.0
(1,1739)	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	1:C:285:TYR:N	6	2.0
(1,1738)	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	1:B:285:TYR:N	6	2.0
(1,1737)	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	1:A:285:TYR:N	6	2.0
(1,172)	1:D:27:GLY:C	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	2	2.0
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	9	2.0
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	8	2.0
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	9	2.0
(1,171)	1:C:27:GLY:C	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	2	2.0
(1,170)	1:B:27:GLY:C	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	2	2.0
(1,169)	1:A:27:GLY:C	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	2	2.0
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	4	2.0
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	4	2.0
(1,1379)	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1:C:222:PHE:N	8	2.0
(1,1355)	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1:C:218:GLU:N	3	2.0
(1,1353)	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1:A:218:GLU:N	3	2.0
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	3	2.0
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	3	2.0
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	3	2.0
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	3	2.0
(1,1212)	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	1:D:189:ARG:N	1	2.0
(1,1211)	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	1:C:189:ARG:N	1	2.0
(1,1210)	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	1:B:189:ARG:N	1	2.0
(1,1209)	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	1:A:189:ARG:N	1	2.0
(1,1164)	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	1:D:181:ARG:N	1	2.0
(1,1163)	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	1:C:181:ARG:N	1	2.0
(1,1162)	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	1:B:181:ARG:N	1	2.0
(1,1161)	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	1:A:181:ARG:N	1	2.0
(1,1068)	1:D:167:PHE:N	1:D:167:PHE:CA	1:D:167:PHE:C	1:D:168:ASN:N	6	2.0
(1,1067)	1:C:167:PHE:N	1:C:167:PHE:CA	1:C:167:PHE:C	1:C:168:ASN:N	6	2.0
(1,1066)	1:B:167:PHE:N	1:B:167:PHE:CA	1:B:167:PHE:C	1:B:168:ASN:N	6	2.0
(1,1065)	1:A:167:PHE:N	1:A:167:PHE:CA	1:A:167:PHE:C	1:A:168:ASN:N	6	2.0
(1,748)	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	1:D:121:VAL:N	9	1.9
(1,747)	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	1:C:121:VAL:N	9	1.9
(1,746)	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	1:B:121:VAL:N	9	1.9
(1,745)	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	1:A:121:VAL:N	9	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,70)	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	1:B:13:SER:N	4	1.9
(1,69)	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	1:A:13:SER:N	4	1.9
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	3	1.9
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	3	1.9
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	10	1.9
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	10	1.9
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	10	1.9
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	8	1.9
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	8	1.9
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	8	1.9
(1,388)	1:D:57:LYS:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	4	1.9
(1,387)	1:C:57:LYS:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	4	1.9
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	7	1.9
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	7	1.9
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	7	1.9
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	9	1.9
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	9	1.9
(1,220)	1:D:35:THR:C	1:D:36:ARG:N	1:D:36:ARG:CA	1:D:36:ARG:C	5	1.9
(1,219)	1:C:35:THR:C	1:C:36:ARG:N	1:C:36:ARG:CA	1:C:36:ARG:C	5	1.9
(1,218)	1:B:35:THR:C	1:B:36:ARG:N	1:B:36:ARG:CA	1:B:36:ARG:C	5	1.9
(1,217)	1:A:35:THR:C	1:A:36:ARG:N	1:A:36:ARG:CA	1:A:36:ARG:C	5	1.9
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	1	1.9
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	5	1.9
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	1	1.9
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	5	1.9
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	1	1.9
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	5	1.9
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	1	1.9
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	5	1.9
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	8	1.9
(1,192)	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	1:D:32:TRP:N	10	1.9
(1,191)	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	1:C:32:TRP:N	10	1.9
(1,1880)	1:D:113:TYR:C	1:D:114:GLY:N	1:D:114:GLY:CA	1:D:114:GLY:C	9	1.9
(1,1879)	1:C:113:TYR:C	1:C:114:GLY:N	1:C:114:GLY:CA	1:C:114:GLY:C	9	1.9
(1,1878)	1:B:113:TYR:C	1:B:114:GLY:N	1:B:114:GLY:CA	1:B:114:GLY:C	9	1.9
(1,1877)	1:A:113:TYR:C	1:A:114:GLY:N	1:A:114:GLY:CA	1:A:114:GLY:C	9	1.9
(1,1874)	1:B:95:PRO:N	1:B:95:PRO:CA	1:B:95:PRO:C	1:B:96:GLY:N	3	1.9
(1,1812)	1:D:298:ILE:N	1:D:298:ILE:CA	1:D:298:ILE:C	1:D:299:ASP:N	5	1.9
(1,1811)	1:C:298:ILE:N	1:C:298:ILE:CA	1:C:298:ILE:C	1:C:299:ASP:N	5	1.9
(1,1810)	1:B:298:ILE:N	1:B:298:ILE:CA	1:B:298:ILE:C	1:B:299:ASP:N	5	1.9
(1,1809)	1:A:298:ILE:N	1:A:298:ILE:CA	1:A:298:ILE:C	1:A:299:ASP:N	5	1.9
(1,1792)	1:D:295:MET:C	1:D:296:THR:N	1:D:296:THR:CA	1:D:296:THR:C	2	1.9
(1,1791)	1:C:295:MET:C	1:C:296:THR:N	1:C:296:THR:CA	1:C:296:THR:C	2	1.9
(1,1790)	1:B:295:MET:C	1:B:296:THR:N	1:B:296:THR:CA	1:B:296:THR:C	2	1.9
(1,1789)	1:A:295:MET:C	1:A:296:THR:N	1:A:296:THR:CA	1:A:296:THR:C	2	1.9
(1,1736)	1:D:283:HIS:C	1:D:284:ARG:N	1:D:284:ARG:CA	1:D:284:ARG:C	5	1.9
(1,1735)	1:C:283:HIS:C	1:C:284:ARG:N	1:C:284:ARG:CA	1:C:284:ARG:C	5	1.9
(1,1734)	1:B:283:HIS:C	1:B:284:ARG:N	1:B:284:ARG:CA	1:B:284:ARG:C	5	1.9
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	8	1.9
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	9	1.9
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	8	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	8	1.9
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	9	1.9
(1,1704)	1:D:279:ILE:C	1:D:280:ARG:N	1:D:280:ARG:CA	1:D:280:ARG:C	5	1.9
(1,1703)	1:C:279:ILE:C	1:C:280:ARG:N	1:C:280:ARG:CA	1:C:280:ARG:C	5	1.9
(1,1702)	1:B:279:ILE:C	1:B:280:ARG:N	1:B:280:ARG:CA	1:B:280:ARG:C	5	1.9
(1,1701)	1:A:279:ILE:C	1:A:280:ARG:N	1:A:280:ARG:CA	1:A:280:ARG:C	5	1.9
(1,1380)	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1:D:222:PHE:N	5	1.9
(1,1380)	1:D:221:ILE:N	1:D:221:ILE:CA	1:D:221:ILE:C	1:D:222:PHE:N	8	1.9
(1,1379)	1:C:221:ILE:N	1:C:221:ILE:CA	1:C:221:ILE:C	1:C:222:PHE:N	5	1.9
(1,1378)	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1:B:222:PHE:N	5	1.9
(1,1378)	1:B:221:ILE:N	1:B:221:ILE:CA	1:B:221:ILE:C	1:B:222:PHE:N	8	1.9
(1,1377)	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1:A:222:PHE:N	8	1.9
(1,1354)	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1:B:218:GLU:N	3	1.9
(1,988)	1:D:151:ARG:N	1:D:151:ARG:CA	1:D:151:ARG:C	1:D:152:PRO:N	7	1.8
(1,987)	1:C:151:ARG:N	1:C:151:ARG:CA	1:C:151:ARG:C	1:C:152:PRO:N	7	1.8
(1,986)	1:B:151:ARG:N	1:B:151:ARG:CA	1:B:151:ARG:C	1:B:152:PRO:N	7	1.8
(1,985)	1:A:151:ARG:N	1:A:151:ARG:CA	1:A:151:ARG:C	1:A:152:PRO:N	7	1.8
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	8	1.8
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	8	1.8
(1,72)	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	1:D:13:SER:N	4	1.8
(1,71)	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	1:C:13:SER:N	4	1.8
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	6	1.8
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	6	1.8
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	6	1.8
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	6	1.8
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	3	1.8
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	3	1.8
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	10	1.8
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	8	1.8
(1,56)	1:D:10:SER:N	1:D:10:SER:CA	1:D:10:SER:C	1:D:11:SER:N	1	1.8
(1,55)	1:C:10:SER:N	1:C:10:SER:CA	1:C:10:SER:C	1:C:11:SER:N	1	1.8
(1,54)	1:B:10:SER:N	1:B:10:SER:CA	1:B:10:SER:C	1:B:11:SER:N	1	1.8
(1,53)	1:A:10:SER:N	1:A:10:SER:CA	1:A:10:SER:C	1:A:11:SER:N	1	1.8
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	9	1.8
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	9	1.8
(1,247)	1:C:39:ILE:N	1:C:39:ILE:CA	1:C:39:ILE:C	1:C:40:ALA:N	8	1.8
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	3	1.8
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	8	1.8
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	8	1.8
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	8	1.8
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	3	1.8
(1,1776)	1:D:291:ASP:C	1:D:292:VAL:N	1:D:292:VAL:CA	1:D:292:VAL:C	4	1.8
(1,1775)	1:C:291:ASP:C	1:C:292:VAL:N	1:C:292:VAL:CA	1:C:292:VAL:C	4	1.8
(1,1774)	1:B:291:ASP:C	1:B:292:VAL:N	1:B:292:VAL:CA	1:B:292:VAL:C	4	1.8
(1,1773)	1:A:291:ASP:C	1:A:292:VAL:N	1:A:292:VAL:CA	1:A:292:VAL:C	4	1.8
(1,1748)	1:D:285:TYR:N	1:D:285:TYR:CA	1:D:285:TYR:C	1:D:286:VAL:N	1	1.8
(1,1747)	1:C:285:TYR:N	1:C:285:TYR:CA	1:C:285:TYR:C	1:C:286:VAL:N	1	1.8
(1,1746)	1:B:285:TYR:N	1:B:285:TYR:CA	1:B:285:TYR:C	1:B:286:VAL:N	1	1.8
(1,1745)	1:A:285:TYR:N	1:A:285:TYR:CA	1:A:285:TYR:C	1:A:286:VAL:N	1	1.8
(1,1733)	1:A:283:HIS:C	1:A:284:ARG:N	1:A:284:ARG:CA	1:A:284:ARG:C	5	1.8
(1,1656)	1:D:272:HIS:C	1:D:273:ALA:N	1:D:273:ALA:CA	1:D:273:ALA:C	9	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1655)	1:C:272:HIS:C	1:C:273:ALA:N	1:C:273:ALA:CA	1:C:273:ALA:C	9	1.8
(1,1654)	1:B:272:HIS:C	1:B:273:ALA:N	1:B:273:ALA:CA	1:B:273:ALA:C	9	1.8
(1,1653)	1:A:272:HIS:C	1:A:273:ALA:N	1:A:273:ALA:CA	1:A:273:ALA:C	9	1.8
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	5	1.8
(1,1377)	1:A:221:ILE:N	1:A:221:ILE:CA	1:A:221:ILE:C	1:A:222:PHE:N	5	1.8
(1,1272)	1:D:201:SER:C	1:D:202:GLU:N	1:D:202:GLU:CA	1:D:202:GLU:C	1	1.8
(1,1269)	1:A:201:SER:C	1:A:202:GLU:N	1:A:202:GLU:CA	1:A:202:GLU:C	1	1.8
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	8	1.8
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	8	1.8
(1,1208)	1:D:187:GLU:C	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	9	1.8
(1,1207)	1:C:187:GLU:C	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	9	1.8
(1,1206)	1:B:187:GLU:C	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	9	1.8
(1,1205)	1:A:187:GLU:C	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	9	1.8
(1,1200)	1:D:186:ALA:C	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	2	1.8
(1,1199)	1:C:186:ALA:C	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	2	1.8
(1,1198)	1:B:186:ALA:C	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	2	1.8
(1,1197)	1:A:186:ALA:C	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	2	1.8
(1,1044)	1:D:162:ALA:N	1:D:162:ALA:CA	1:D:162:ALA:C	1:D:163:ILE:N	3	1.8
(1,1043)	1:C:162:ALA:N	1:C:162:ALA:CA	1:C:162:ALA:C	1:C:163:ILE:N	3	1.8
(1,1042)	1:B:162:ALA:N	1:B:162:ALA:CA	1:B:162:ALA:C	1:B:163:ILE:N	3	1.8
(1,1041)	1:A:162:ALA:N	1:A:162:ALA:CA	1:A:162:ALA:C	1:A:163:ILE:N	3	1.8
(1,1004)	1:D:155:LYS:N	1:D:155:LYS:CA	1:D:155:LYS:C	1:D:156:ILE:N	6	1.8
(1,1003)	1:C:155:LYS:N	1:C:155:LYS:CA	1:C:155:LYS:C	1:C:156:ILE:N	6	1.8
(1,1002)	1:B:155:LYS:N	1:B:155:LYS:CA	1:B:155:LYS:C	1:B:156:ILE:N	6	1.8
(1,1001)	1:A:155:LYS:N	1:A:155:LYS:CA	1:A:155:LYS:C	1:A:156:ILE:N	6	1.8
(1,988)	1:D:151:ARG:N	1:D:151:ARG:CA	1:D:151:ARG:C	1:D:152:PRO:N	9	1.7
(1,987)	1:C:151:ARG:N	1:C:151:ARG:CA	1:C:151:ARG:C	1:C:152:PRO:N	9	1.7
(1,986)	1:B:151:ARG:N	1:B:151:ARG:CA	1:B:151:ARG:C	1:B:152:PRO:N	9	1.7
(1,985)	1:A:151:ARG:N	1:A:151:ARG:CA	1:A:151:ARG:C	1:A:152:PRO:N	9	1.7
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	8	1.7
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	8	1.7
(1,732)	1:D:106:GLU:C	1:D:107:THR:N	1:D:107:THR:CA	1:D:107:THR:C	1	1.7
(1,729)	1:A:106:GLU:C	1:A:107:THR:N	1:A:107:THR:CA	1:A:107:THR:C	1	1.7
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	4	1.7
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	9	1.7
(1,248)	1:D:39:ILE:N	1:D:39:ILE:CA	1:D:39:ILE:C	1:D:40:ALA:N	8	1.7
(1,246)	1:B:39:ILE:N	1:B:39:ILE:CA	1:B:39:ILE:C	1:B:40:ALA:N	8	1.7
(1,245)	1:A:39:ILE:N	1:A:39:ILE:CA	1:A:39:ILE:C	1:A:40:ALA:N	8	1.7
(1,200)	1:D:32:TRP:N	1:D:32:TRP:CA	1:D:32:TRP:C	1:D:33:SER:N	10	1.7
(1,199)	1:C:32:TRP:N	1:C:32:TRP:CA	1:C:32:TRP:C	1:C:33:SER:N	10	1.7
(1,198)	1:B:32:TRP:N	1:B:32:TRP:CA	1:B:32:TRP:C	1:B:33:SER:N	10	1.7
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	3	1.7
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	3	1.7
(1,197)	1:A:32:TRP:N	1:A:32:TRP:CA	1:A:32:TRP:C	1:A:33:SER:N	10	1.7
(1,192)	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	1:D:32:TRP:N	6	1.7
(1,191)	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	1:C:32:TRP:N	6	1.7
(1,1904)	1:D:164:VAL:C	1:D:165:ARG:N	1:D:165:ARG:CA	1:D:165:ARG:C	8	1.7
(1,1903)	1:C:164:VAL:C	1:C:165:ARG:N	1:C:165:ARG:CA	1:C:165:ARG:C	8	1.7
(1,1902)	1:B:164:VAL:C	1:B:165:ARG:N	1:B:165:ARG:CA	1:B:165:ARG:C	8	1.7
(1,1901)	1:A:164:VAL:C	1:A:165:ARG:N	1:A:165:ARG:CA	1:A:165:ARG:C	8	1.7
(1,190)	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	1:B:32:TRP:N	6	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,189)	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	1:A:32:TRP:N	6	1.7
(1,1844)	1:D:9:HIS:N	1:D:9:HIS:CA	1:D:9:HIS:C	1:D:10:SER:N	8	1.7
(1,1842)	1:B:9:HIS:N	1:B:9:HIS:CA	1:B:9:HIS:C	1:B:10:SER:N	8	1.7
(1,1841)	1:A:9:HIS:N	1:A:9:HIS:CA	1:A:9:HIS:C	1:A:10:SER:N	8	1.7
(1,184)	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	1:D:30:ARG:N	5	1.7
(1,183)	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	1:C:30:ARG:N	5	1.7
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	9	1.7
(1,182)	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	1:B:30:ARG:N	5	1.7
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	9	1.7
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	9	1.7
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	9	1.7
(1,181)	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	1:A:30:ARG:N	5	1.7
(1,1764)	1:D:288:LEU:N	1:D:288:LEU:CA	1:D:288:LEU:C	1:D:289:MET:N	3	1.7
(1,1763)	1:C:288:LEU:N	1:C:288:LEU:CA	1:C:288:LEU:C	1:C:289:MET:N	3	1.7
(1,1762)	1:B:288:LEU:N	1:B:288:LEU:CA	1:B:288:LEU:C	1:B:289:MET:N	3	1.7
(1,1761)	1:A:288:LEU:N	1:A:288:LEU:CA	1:A:288:LEU:C	1:A:289:MET:N	3	1.7
(1,1716)	1:D:281:TRP:N	1:D:281:TRP:CA	1:D:281:TRP:C	1:D:282:HIS:N	2	1.7
(1,1715)	1:C:281:TRP:N	1:C:281:TRP:CA	1:C:281:TRP:C	1:C:282:HIS:N	2	1.7
(1,1714)	1:B:281:TRP:N	1:B:281:TRP:CA	1:B:281:TRP:C	1:B:282:HIS:N	2	1.7
(1,1713)	1:A:281:TRP:N	1:A:281:TRP:CA	1:A:281:TRP:C	1:A:282:HIS:N	2	1.7
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	5	1.7
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	5	1.7
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	5	1.7
(1,1411)	1:C:226:TRP:N	1:C:226:TRP:CA	1:C:226:TRP:C	1:C:227:ASN:N	10	1.7
(1,1410)	1:B:226:TRP:N	1:B:226:TRP:CA	1:B:226:TRP:C	1:B:227:ASN:N	10	1.7
(1,1409)	1:A:226:TRP:N	1:A:226:TRP:CA	1:A:226:TRP:C	1:A:227:ASN:N	10	1.7
(1,1404)	1:D:224:LEU:N	1:D:224:LEU:CA	1:D:224:LEU:C	1:D:225:GLY:N	1	1.7
(1,1403)	1:C:224:LEU:N	1:C:224:LEU:CA	1:C:224:LEU:C	1:C:225:GLY:N	1	1.7
(1,1402)	1:B:224:LEU:N	1:B:224:LEU:CA	1:B:224:LEU:C	1:B:225:GLY:N	1	1.7
(1,1401)	1:A:224:LEU:N	1:A:224:LEU:CA	1:A:224:LEU:C	1:A:225:GLY:N	1	1.7
(1,1271)	1:C:201:SER:C	1:C:202:GLU:N	1:C:202:GLU:CA	1:C:202:GLU:C	1	1.7
(1,1270)	1:B:201:SER:C	1:B:202:GLU:N	1:B:202:GLU:CA	1:B:202:GLU:C	1	1.7
(1,1267)	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	1:C:199:HIS:N	8	1.7
(1,1266)	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	1:B:199:HIS:N	8	1.7
(1,1265)	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	1:A:199:HIS:N	8	1.7
(1,1264)	1:D:197:ARG:C	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	2	1.7
(1,1263)	1:C:197:ARG:C	1:C:198:GLU:N	1:C:198:GLU:CA	1:C:198:GLU:C	2	1.7
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	2	1.7
(1,1262)	1:B:197:ARG:C	1:B:198:GLU:N	1:B:198:GLU:CA	1:B:198:GLU:C	8	1.7
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	2	1.7
(1,1261)	1:A:197:ARG:C	1:A:198:GLU:N	1:A:198:GLU:CA	1:A:198:GLU:C	8	1.7
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	9	1.7
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	9	1.7
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	9	1.7
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	9	1.7
(1,1132)	1:D:175:VAL:N	1:D:175:VAL:CA	1:D:175:VAL:C	1:D:176:ARG:N	8	1.7
(1,1131)	1:C:175:VAL:N	1:C:175:VAL:CA	1:C:175:VAL:C	1:C:176:ARG:N	8	1.7
(1,1130)	1:B:175:VAL:N	1:B:175:VAL:CA	1:B:175:VAL:C	1:B:176:ARG:N	8	1.7
(1,1129)	1:A:175:VAL:N	1:A:175:VAL:CA	1:A:175:VAL:C	1:A:176:ARG:N	8	1.7
(1,731)	1:C:106:GLU:C	1:C:107:THR:N	1:C:107:THR:CA	1:C:107:THR:C	1	1.6
(1,730)	1:B:106:GLU:C	1:B:107:THR:N	1:B:107:THR:CA	1:B:107:THR:C	1	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	4	1.6
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	10	1.6
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	4	1.6
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	10	1.6
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	4	1.6
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	10	1.6
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	10	1.6
(1,636)	1:D:90:ALA:C	1:D:91:ASN:N	1:D:91:ASN:CA	1:D:91:ASN:C	8	1.6
(1,635)	1:C:90:ALA:C	1:C:91:ASN:N	1:C:91:ASN:CA	1:C:91:ASN:C	8	1.6
(1,634)	1:B:90:ALA:C	1:B:91:ASN:N	1:B:91:ASN:CA	1:B:91:ASN:C	8	1.6
(1,633)	1:A:90:ALA:C	1:A:91:ASN:N	1:A:91:ASN:CA	1:A:91:ASN:C	8	1.6
(1,631)	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	1:C:90:ALA:N	7	1.6
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	2	1.6
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	8	1.6
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	2	1.6
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	8	1.6
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	2	1.6
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	8	1.6
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	2	1.6
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	8	1.6
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	3	1.6
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	9	1.6
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	9	1.6
(1,296)	1:D:46:SER:N	1:D:46:SER:CA	1:D:46:SER:C	1:D:47:VAL:N	2	1.6
(1,295)	1:C:46:SER:N	1:C:46:SER:CA	1:C:46:SER:C	1:C:47:VAL:N	2	1.6
(1,294)	1:B:46:SER:N	1:B:46:SER:CA	1:B:46:SER:C	1:B:47:VAL:N	2	1.6
(1,293)	1:A:46:SER:N	1:A:46:SER:CA	1:A:46:SER:C	1:A:47:VAL:N	2	1.6
(1,1992)	1:D:260:SER:C	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	2	1.6
(1,1991)	1:C:260:SER:C	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	2	1.6
(1,1990)	1:B:260:SER:C	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	2	1.6
(1,1989)	1:A:260:SER:C	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	2	1.6
(1,1976)	1:D:252:MET:C	1:D:253:LEU:N	1:D:253:LEU:CA	1:D:253:LEU:C	10	1.6
(1,1975)	1:C:252:MET:C	1:C:253:LEU:N	1:C:253:LEU:CA	1:C:253:LEU:C	10	1.6
(1,1974)	1:B:252:MET:C	1:B:253:LEU:N	1:B:253:LEU:CA	1:B:253:LEU:C	10	1.6
(1,1973)	1:A:252:MET:C	1:A:253:LEU:N	1:A:253:LEU:CA	1:A:253:LEU:C	10	1.6
(1,1971)	1:C:250:ARG:N	1:C:250:ARG:CA	1:C:250:ARG:C	1:C:251:ALA:N	7	1.6
(1,1970)	1:B:250:ARG:N	1:B:250:ARG:CA	1:B:250:ARG:C	1:B:251:ALA:N	7	1.6
(1,1952)	1:D:226:TRP:C	1:D:227:ASN:N	1:D:227:ASN:CA	1:D:227:ASN:C	9	1.6
(1,1951)	1:C:226:TRP:C	1:C:227:ASN:N	1:C:227:ASN:CA	1:C:227:ASN:C	9	1.6
(1,1950)	1:B:226:TRP:C	1:B:227:ASN:N	1:B:227:ASN:CA	1:B:227:ASN:C	9	1.6
(1,1949)	1:A:226:TRP:C	1:A:227:ASN:N	1:A:227:ASN:CA	1:A:227:ASN:C	9	1.6
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	3	1.6
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	3	1.6
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	3	1.6
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	3	1.6
(1,1940)	1:D:219:HIS:N	1:D:219:HIS:CA	1:D:219:HIS:C	1:D:220:PRO:N	8	1.6
(1,1939)	1:C:219:HIS:N	1:C:219:HIS:CA	1:C:219:HIS:C	1:C:220:PRO:N	8	1.6
(1,1938)	1:B:219:HIS:N	1:B:219:HIS:CA	1:B:219:HIS:C	1:B:220:PRO:N	8	1.6
(1,1937)	1:A:219:HIS:N	1:A:219:HIS:CA	1:A:219:HIS:C	1:A:220:PRO:N	8	1.6
(1,1843)	1:C:9:HIS:N	1:C:9:HIS:CA	1:C:9:HIS:C	1:C:10:SER:N	8	1.6
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	5	1.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	5	1.6
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	5	1.6
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	5	1.6
(1,1817)	1:A:299:ASP:N	1:A:299:ASP:CA	1:A:299:ASP:C	1:A:300:TYR:N	7	1.6
(1,1412)	1:D:226:TRP:N	1:D:226:TRP:CA	1:D:226:TRP:C	1:D:227:ASN:N	10	1.6
(1,1365)	1:A:219:HIS:C	1:A:220:PRO:N	1:A:220:PRO:CA	1:A:220:PRO:C	1	1.6
(1,1296)	1:D:208:LYS:C	1:D:209:ILE:N	1:D:209:ILE:CA	1:D:209:ILE:C	4	1.6
(1,1294)	1:B:208:LYS:C	1:B:209:ILE:N	1:B:209:ILE:CA	1:B:209:ILE:C	4	1.6
(1,1293)	1:A:208:LYS:C	1:A:209:ILE:N	1:A:209:ILE:CA	1:A:209:ILE:C	4	1.6
(1,128)	1:D:20:PRO:N	1:D:20:PRO:CA	1:D:20:PRO:C	1:D:21:ALA:N	2	1.6
(1,127)	1:C:20:PRO:N	1:C:20:PRO:CA	1:C:20:PRO:C	1:C:21:ALA:N	2	1.6
(1,1268)	1:D:198:GLU:N	1:D:198:GLU:CA	1:D:198:GLU:C	1:D:199:HIS:N	8	1.6
(1,126)	1:B:20:PRO:N	1:B:20:PRO:CA	1:B:20:PRO:C	1:B:21:ALA:N	2	1.6
(1,125)	1:A:20:PRO:N	1:A:20:PRO:CA	1:A:20:PRO:C	1:A:21:ALA:N	2	1.6
(1,1204)	1:D:187:GLU:N	1:D:187:GLU:CA	1:D:187:GLU:C	1:D:188:ALA:N	5	1.6
(1,1203)	1:C:187:GLU:N	1:C:187:GLU:CA	1:C:187:GLU:C	1:C:188:ALA:N	5	1.6
(1,1202)	1:B:187:GLU:N	1:B:187:GLU:CA	1:B:187:GLU:C	1:B:188:ALA:N	5	1.6
(1,1201)	1:A:187:GLU:N	1:A:187:GLU:CA	1:A:187:GLU:C	1:A:188:ALA:N	5	1.6
(1,1172)	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	1:D:183:ASN:N	7	1.6
(1,1170)	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	1:B:183:ASN:N	7	1.6
(1,1169)	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	1:A:183:ASN:N	7	1.6
(1,1160)	1:D:179:ASN:C	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	7	1.6
(1,1159)	1:C:179:ASN:C	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	7	1.6
(1,1158)	1:B:179:ASN:C	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	7	1.6
(1,1157)	1:A:179:ASN:C	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	7	1.6
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	8	1.6
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	8	1.6
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	8	1.6
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	8	1.6
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	4	1.5
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	4	1.5
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	4	1.5
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	4	1.5
(1,632)	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	1:D:90:ALA:N	7	1.5
(1,630)	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	1:B:90:ALA:N	7	1.5
(1,629)	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	1:A:90:ALA:N	7	1.5
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	3	1.5
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	3	1.5
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	3	1.5
(1,588)	1:D:82:TYR:C	1:D:83:GLN:N	1:D:83:GLN:CA	1:D:83:GLN:C	10	1.5
(1,587)	1:C:82:TYR:C	1:C:83:GLN:N	1:C:83:GLN:CA	1:C:83:GLN:C	10	1.5
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	9	1.5
(1,1972)	1:D:250:ARG:N	1:D:250:ARG:CA	1:D:250:ARG:C	1:D:251:ALA:N	7	1.5
(1,1969)	1:A:250:ARG:N	1:A:250:ARG:CA	1:A:250:ARG:C	1:A:251:ALA:N	7	1.5
(1,1820)	1:D:299:ASP:N	1:D:299:ASP:CA	1:D:299:ASP:C	1:D:300:TYR:N	7	1.5
(1,1819)	1:C:299:ASP:N	1:C:299:ASP:CA	1:C:299:ASP:C	1:C:300:TYR:N	7	1.5
(1,1818)	1:B:299:ASP:N	1:B:299:ASP:CA	1:B:299:ASP:C	1:B:300:TYR:N	7	1.5
(1,1804)	1:D:297:HIS:N	1:D:297:HIS:CA	1:D:297:HIS:C	1:D:298:ILE:N	9	1.5
(1,1803)	1:C:297:HIS:N	1:C:297:HIS:CA	1:C:297:HIS:C	1:C:298:ILE:N	9	1.5
(1,1802)	1:B:297:HIS:N	1:B:297:HIS:CA	1:B:297:HIS:C	1:B:298:ILE:N	9	1.5
(1,1801)	1:A:297:HIS:N	1:A:297:HIS:CA	1:A:297:HIS:C	1:A:298:ILE:N	9	1.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1784)	1:D:294:GLY:C	1:D:295:MET:N	1:D:295:MET:CA	1:D:295:MET:C	6	1.5
(1,1783)	1:C:294:GLY:C	1:C:295:MET:N	1:C:295:MET:CA	1:C:295:MET:C	6	1.5
(1,1782)	1:B:294:GLY:C	1:B:295:MET:N	1:B:295:MET:CA	1:B:295:MET:C	6	1.5
(1,1781)	1:A:294:GLY:C	1:A:295:MET:N	1:A:295:MET:CA	1:A:295:MET:C	6	1.5
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	1	1.5
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	1	1.5
(1,1694)	1:B:278:ASP:C	1:B:279:ILE:N	1:B:279:ILE:CA	1:B:279:ILE:C	1	1.5
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	1	1.5
(1,1688)	1:D:277:ASP:C	1:D:278:ASP:N	1:D:278:ASP:CA	1:D:278:ASP:C	4	1.5
(1,1686)	1:B:277:ASP:C	1:B:278:ASP:N	1:B:278:ASP:CA	1:B:278:ASP:C	4	1.5
(1,1685)	1:A:277:ASP:C	1:A:278:ASP:N	1:A:278:ASP:CA	1:A:278:ASP:C	4	1.5
(1,1612)	1:D:267:VAL:N	1:D:267:VAL:CA	1:D:267:VAL:C	1:D:268:MET:N	10	1.5
(1,1611)	1:C:267:VAL:N	1:C:267:VAL:CA	1:C:267:VAL:C	1:C:268:MET:N	10	1.5
(1,1610)	1:B:267:VAL:N	1:B:267:VAL:CA	1:B:267:VAL:C	1:B:268:MET:N	10	1.5
(1,1609)	1:A:267:VAL:N	1:A:267:VAL:CA	1:A:267:VAL:C	1:A:268:MET:N	10	1.5
(1,1604)	1:D:266:GLN:N	1:D:266:GLN:CA	1:D:266:GLN:C	1:D:267:VAL:N	7	1.5
(1,1603)	1:C:266:GLN:N	1:C:266:GLN:CA	1:C:266:GLN:C	1:C:267:VAL:N	7	1.5
(1,1602)	1:B:266:GLN:N	1:B:266:GLN:CA	1:B:266:GLN:C	1:B:267:VAL:N	7	1.5
(1,1601)	1:A:266:GLN:N	1:A:266:GLN:CA	1:A:266:GLN:C	1:A:267:VAL:N	7	1.5
(1,1460)	1:D:238:LEU:N	1:D:238:LEU:CA	1:D:238:LEU:C	1:D:239:PHE:N	8	1.5
(1,1458)	1:B:238:LEU:N	1:B:238:LEU:CA	1:B:238:LEU:C	1:B:239:PHE:N	8	1.5
(1,1436)	1:D:233:ASP:N	1:D:233:ASP:CA	1:D:233:ASP:C	1:D:234:GLU:N	6	1.5
(1,1435)	1:C:233:ASP:N	1:C:233:ASP:CA	1:C:233:ASP:C	1:C:234:GLU:N	6	1.5
(1,1434)	1:B:233:ASP:N	1:B:233:ASP:CA	1:B:233:ASP:C	1:B:234:GLU:N	6	1.5
(1,1433)	1:A:233:ASP:N	1:A:233:ASP:CA	1:A:233:ASP:C	1:A:234:GLU:N	6	1.5
(1,1368)	1:D:219:HIS:C	1:D:220:PRO:N	1:D:220:PRO:CA	1:D:220:PRO:C	1	1.5
(1,1312)	1:D:211:ASP:C	1:D:212:LEU:N	1:D:212:LEU:CA	1:D:212:LEU:C	1	1.5
(1,1311)	1:C:211:ASP:C	1:C:212:LEU:N	1:C:212:LEU:CA	1:C:212:LEU:C	1	1.5
(1,1310)	1:B:211:ASP:C	1:B:212:LEU:N	1:B:212:LEU:CA	1:B:212:LEU:C	1	1.5
(1,1309)	1:A:211:ASP:C	1:A:212:LEU:N	1:A:212:LEU:CA	1:A:212:LEU:C	1	1.5
(1,1295)	1:C:208:LYS:C	1:C:209:ILE:N	1:C:209:ILE:CA	1:C:209:ILE:C	4	1.5
(1,1212)	1:D:188:ALA:N	1:D:188:ALA:CA	1:D:188:ALA:C	1:D:189:ARG:N	6	1.5
(1,1211)	1:C:188:ALA:N	1:C:188:ALA:CA	1:C:188:ALA:C	1:C:189:ARG:N	6	1.5
(1,1210)	1:B:188:ALA:N	1:B:188:ALA:CA	1:B:188:ALA:C	1:B:189:ARG:N	6	1.5
(1,1209)	1:A:188:ALA:N	1:A:188:ALA:CA	1:A:188:ALA:C	1:A:189:ARG:N	6	1.5
(1,1171)	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	1:C:183:ASN:N	7	1.5
(1,1167)	1:C:181:ARG:C	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	10	1.5
(1,1166)	1:B:181:ARG:C	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	10	1.5
(1,1164)	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	1:D:181:ARG:N	8	1.5
(1,1163)	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	1:C:181:ARG:N	8	1.5
(1,1162)	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	1:B:181:ARG:N	8	1.5
(1,1161)	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	1:A:181:ARG:N	8	1.5
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	2	1.5
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	2	1.5
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	2	1.5
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	2	1.5
(1,1141)	1:A:176:ARG:C	1:A:177:ALA:N	1:A:177:ALA:CA	1:A:177:ALA:C	4	1.5
(1,1124)	1:D:174:MET:N	1:D:174:MET:CA	1:D:174:MET:C	1:D:175:VAL:N	8	1.5
(1,1122)	1:B:174:MET:N	1:B:174:MET:CA	1:B:174:MET:C	1:B:175:VAL:N	8	1.5
(1,100)	1:D:15:ALA:C	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	4	1.5
(1,99)	1:C:15:ALA:C	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	4	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,98)	1:B:15:ALA:C	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	4	1.4
(1,97)	1:A:15:ALA:C	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	4	1.4
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	10	1.4
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	10	1.4
(1,712)	1:D:104:SER:N	1:D:104:SER:CA	1:D:104:SER:C	1:D:105:VAL:N	9	1.4
(1,710)	1:B:104:SER:N	1:B:104:SER:CA	1:B:104:SER:C	1:B:105:VAL:N	9	1.4
(1,636)	1:D:90:ALA:C	1:D:91:ASN:N	1:D:91:ASN:CA	1:D:91:ASN:C	2	1.4
(1,635)	1:C:90:ALA:C	1:C:91:ASN:N	1:C:91:ASN:CA	1:C:91:ASN:C	2	1.4
(1,634)	1:B:90:ALA:C	1:B:91:ASN:N	1:B:91:ASN:CA	1:B:91:ASN:C	2	1.4
(1,633)	1:A:90:ALA:C	1:A:91:ASN:N	1:A:91:ASN:CA	1:A:91:ASN:C	2	1.4
(1,596)	1:D:83:GLN:C	1:D:84:LEU:N	1:D:84:LEU:CA	1:D:84:LEU:C	2	1.4
(1,595)	1:C:83:GLN:C	1:C:84:LEU:N	1:C:84:LEU:CA	1:C:84:LEU:C	2	1.4
(1,594)	1:B:83:GLN:C	1:B:84:LEU:N	1:B:84:LEU:CA	1:B:84:LEU:C	2	1.4
(1,593)	1:A:83:GLN:C	1:A:84:LEU:N	1:A:84:LEU:CA	1:A:84:LEU:C	2	1.4
(1,586)	1:B:82:TYR:C	1:B:83:GLN:N	1:B:83:GLN:CA	1:B:83:GLN:C	10	1.4
(1,585)	1:A:82:TYR:C	1:A:83:GLN:N	1:A:83:GLN:CA	1:A:83:GLN:C	10	1.4
(1,400)	1:D:59:SER:N	1:D:59:SER:CA	1:D:59:SER:C	1:D:60:TRP:N	2	1.4
(1,399)	1:C:59:SER:N	1:C:59:SER:CA	1:C:59:SER:C	1:C:60:TRP:N	2	1.4
(1,398)	1:B:59:SER:N	1:B:59:SER:CA	1:B:59:SER:C	1:B:60:TRP:N	2	1.4
(1,397)	1:A:59:SER:N	1:A:59:SER:CA	1:A:59:SER:C	1:A:60:TRP:N	2	1.4
(1,256)	1:D:40:ALA:N	1:D:40:ALA:CA	1:D:40:ALA:C	1:D:41:TYR:N	1	1.4
(1,255)	1:C:40:ALA:N	1:C:40:ALA:CA	1:C:40:ALA:C	1:C:41:TYR:N	1	1.4
(1,254)	1:B:40:ALA:N	1:B:40:ALA:CA	1:B:40:ALA:C	1:B:41:TYR:N	1	1.4
(1,253)	1:A:40:ALA:N	1:A:40:ALA:CA	1:A:40:ALA:C	1:A:41:TYR:N	1	1.4
(1,1976)	1:D:252:MET:C	1:D:253:LEU:N	1:D:253:LEU:CA	1:D:253:LEU:C	9	1.4
(1,1975)	1:C:252:MET:C	1:C:253:LEU:N	1:C:253:LEU:CA	1:C:253:LEU:C	9	1.4
(1,1974)	1:B:252:MET:C	1:B:253:LEU:N	1:B:253:LEU:CA	1:B:253:LEU:C	9	1.4
(1,1973)	1:A:252:MET:C	1:A:253:LEU:N	1:A:253:LEU:CA	1:A:253:LEU:C	9	1.4
(1,1876)	1:D:95:PRO:N	1:D:95:PRO:CA	1:D:95:PRO:C	1:D:96:GLY:N	8	1.4
(1,1875)	1:C:95:PRO:N	1:C:95:PRO:CA	1:C:95:PRO:C	1:C:96:GLY:N	8	1.4
(1,1874)	1:B:95:PRO:N	1:B:95:PRO:CA	1:B:95:PRO:C	1:B:96:GLY:N	8	1.4
(1,1873)	1:A:95:PRO:N	1:A:95:PRO:CA	1:A:95:PRO:C	1:A:96:GLY:N	5	1.4
(1,1873)	1:A:95:PRO:N	1:A:95:PRO:CA	1:A:95:PRO:C	1:A:96:GLY:N	8	1.4
(1,183)	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	1:C:30:ARG:N	4	1.4
(1,182)	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	1:B:30:ARG:N	4	1.4
(1,180)	1:D:28:GLY:C	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	6	1.4
(1,179)	1:C:28:GLY:C	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	6	1.4
(1,178)	1:B:28:GLY:C	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	6	1.4
(1,177)	1:A:28:GLY:C	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	6	1.4
(1,1687)	1:C:277:ASP:C	1:C:278:ASP:N	1:C:278:ASP:CA	1:C:278:ASP:C	4	1.4
(1,1488)	1:D:241:GLU:C	1:D:242:THR:N	1:D:242:THR:CA	1:D:242:THR:C	6	1.4
(1,1487)	1:C:241:GLU:C	1:C:242:THR:N	1:C:242:THR:CA	1:C:242:THR:C	6	1.4
(1,1486)	1:B:241:GLU:C	1:B:242:THR:N	1:B:242:THR:CA	1:B:242:THR:C	6	1.4
(1,1485)	1:A:241:GLU:C	1:A:242:THR:N	1:A:242:THR:CA	1:A:242:THR:C	6	1.4
(1,1459)	1:C:238:LEU:N	1:C:238:LEU:CA	1:C:238:LEU:C	1:C:239:PHE:N	8	1.4
(1,1457)	1:A:238:LEU:N	1:A:238:LEU:CA	1:A:238:LEU:C	1:A:239:PHE:N	8	1.4
(1,1424)	1:D:231:VAL:C	1:D:232:ILE:N	1:D:232:ILE:CA	1:D:232:ILE:C	4	1.4
(1,1423)	1:C:231:VAL:C	1:C:232:ILE:N	1:C:232:ILE:CA	1:C:232:ILE:C	4	1.4
(1,1422)	1:B:231:VAL:C	1:B:232:ILE:N	1:B:232:ILE:CA	1:B:232:ILE:C	4	1.4
(1,1421)	1:A:231:VAL:C	1:A:232:ILE:N	1:A:232:ILE:CA	1:A:232:ILE:C	4	1.4
(1,1367)	1:C:219:HIS:C	1:C:220:PRO:N	1:C:220:PRO:CA	1:C:220:PRO:C	1	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1366)	1:B:219:HIS:C	1:B:220:PRO:N	1:B:220:PRO:CA	1:B:220:PRO:C	1	1.4
(1,1352)	1:D:216:ARG:C	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1	1.4
(1,1351)	1:C:216:ARG:C	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1	1.4
(1,1350)	1:B:216:ARG:C	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1	1.4
(1,1349)	1:A:216:ARG:C	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1	1.4
(1,1272)	1:D:201:SER:C	1:D:202:GLU:N	1:D:202:GLU:CA	1:D:202:GLU:C	3	1.4
(1,1271)	1:C:201:SER:C	1:C:202:GLU:N	1:C:202:GLU:CA	1:C:202:GLU:C	3	1.4
(1,1270)	1:B:201:SER:C	1:B:202:GLU:N	1:B:202:GLU:CA	1:B:202:GLU:C	3	1.4
(1,1269)	1:A:201:SER:C	1:A:202:GLU:N	1:A:202:GLU:CA	1:A:202:GLU:C	3	1.4
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	10	1.4
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	10	1.4
(1,1188)	1:D:184:VAL:N	1:D:184:VAL:CA	1:D:184:VAL:C	1:D:185:ILE:N	8	1.4
(1,1187)	1:C:184:VAL:N	1:C:184:VAL:CA	1:C:184:VAL:C	1:C:185:ILE:N	8	1.4
(1,1186)	1:B:184:VAL:N	1:B:184:VAL:CA	1:B:184:VAL:C	1:B:185:ILE:N	8	1.4
(1,1185)	1:A:184:VAL:N	1:A:184:VAL:CA	1:A:184:VAL:C	1:A:185:ILE:N	8	1.4
(1,1168)	1:D:181:ARG:C	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	10	1.4
(1,1165)	1:A:181:ARG:C	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	10	1.4
(1,1144)	1:D:176:ARG:C	1:D:177:ALA:N	1:D:177:ALA:CA	1:D:177:ALA:C	4	1.4
(1,1143)	1:C:176:ARG:C	1:C:177:ALA:N	1:C:177:ALA:CA	1:C:177:ALA:C	4	1.4
(1,1142)	1:B:176:ARG:C	1:B:177:ALA:N	1:B:177:ALA:CA	1:B:177:ALA:C	4	1.4
(1,1123)	1:C:174:MET:N	1:C:174:MET:CA	1:C:174:MET:C	1:C:175:VAL:N	8	1.4
(1,1121)	1:A:174:MET:N	1:A:174:MET:CA	1:A:174:MET:C	1:A:175:VAL:N	8	1.4
(1,988)	1:D:151:ARG:N	1:D:151:ARG:CA	1:D:151:ARG:C	1:D:152:PRO:N	1	1.3
(1,985)	1:A:151:ARG:N	1:A:151:ARG:CA	1:A:151:ARG:C	1:A:152:PRO:N	1	1.3
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	10	1.3
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	10	1.3
(1,711)	1:C:104:SER:N	1:C:104:SER:CA	1:C:104:SER:C	1:C:105:VAL:N	9	1.3
(1,709)	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	1:A:105:VAL:N	9	1.3
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	7	1.3
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	7	1.3
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	7	1.3
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	7	1.3
(1,644)	1:D:93:SER:C	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	6	1.3
(1,644)	1:D:93:SER:C	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	7	1.3
(1,643)	1:C:93:SER:C	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	6	1.3
(1,643)	1:C:93:SER:C	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	7	1.3
(1,642)	1:B:93:SER:C	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	6	1.3
(1,642)	1:B:93:SER:C	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	7	1.3
(1,641)	1:A:93:SER:C	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	6	1.3
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	9	1.3
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	9	1.3
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	4	1.3
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	9	1.3
(1,1991)	1:C:260:SER:C	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	3	1.3
(1,1990)	1:B:260:SER:C	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	3	1.3
(1,1989)	1:A:260:SER:C	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	3	1.3
(1,1876)	1:D:95:PRO:N	1:D:95:PRO:CA	1:D:95:PRO:C	1:D:96:GLY:N	5	1.3
(1,1876)	1:D:95:PRO:N	1:D:95:PRO:CA	1:D:95:PRO:C	1:D:96:GLY:N	7	1.3
(1,1875)	1:C:95:PRO:N	1:C:95:PRO:CA	1:C:95:PRO:C	1:C:96:GLY:N	5	1.3
(1,1875)	1:C:95:PRO:N	1:C:95:PRO:CA	1:C:95:PRO:C	1:C:96:GLY:N	7	1.3
(1,1874)	1:B:95:PRO:N	1:B:95:PRO:CA	1:B:95:PRO:C	1:B:96:GLY:N	5	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1874)	1:B:95:PRO:N	1:B:95:PRO:CA	1:B:95:PRO:C	1:B:96:GLY:N	7	1.3
(1,1873)	1:A:95:PRO:N	1:A:95:PRO:CA	1:A:95:PRO:C	1:A:96:GLY:N	7	1.3
(1,1868)	1:D:90:ALA:N	1:D:90:ALA:CA	1:D:90:ALA:C	1:D:91:ASN:N	5	1.3
(1,1867)	1:C:90:ALA:N	1:C:90:ALA:CA	1:C:90:ALA:C	1:C:91:ASN:N	5	1.3
(1,1866)	1:B:90:ALA:N	1:B:90:ALA:CA	1:B:90:ALA:C	1:B:91:ASN:N	5	1.3
(1,1865)	1:A:90:ALA:N	1:A:90:ALA:CA	1:A:90:ALA:C	1:A:91:ASN:N	5	1.3
(1,184)	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	1:D:30:ARG:N	4	1.3
(1,181)	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	1:A:30:ARG:N	4	1.3
(1,1788)	1:D:295:MET:N	1:D:295:MET:CA	1:D:295:MET:C	1:D:296:THR:N	10	1.3
(1,1787)	1:C:295:MET:N	1:C:295:MET:CA	1:C:295:MET:C	1:C:296:THR:N	10	1.3
(1,1786)	1:B:295:MET:N	1:B:295:MET:CA	1:B:295:MET:C	1:B:296:THR:N	10	1.3
(1,1748)	1:D:285:TYR:N	1:D:285:TYR:CA	1:D:285:TYR:C	1:D:286:VAL:N	2	1.3
(1,1747)	1:C:285:TYR:N	1:C:285:TYR:CA	1:C:285:TYR:C	1:C:286:VAL:N	2	1.3
(1,1746)	1:B:285:TYR:N	1:B:285:TYR:CA	1:B:285:TYR:C	1:B:286:VAL:N	2	1.3
(1,1745)	1:A:285:TYR:N	1:A:285:TYR:CA	1:A:285:TYR:C	1:A:286:VAL:N	2	1.3
(1,172)	1:D:27:GLY:C	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	1	1.3
(1,171)	1:C:27:GLY:C	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	1	1.3
(1,170)	1:B:27:GLY:C	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	1	1.3
(1,169)	1:A:27:GLY:C	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	1	1.3
(1,160)	1:D:25:PRO:N	1:D:25:PRO:CA	1:D:25:PRO:C	1:D:26:ARG:N	4	1.3
(1,159)	1:C:25:PRO:N	1:C:25:PRO:CA	1:C:25:PRO:C	1:C:26:ARG:N	4	1.3
(1,158)	1:B:25:PRO:N	1:B:25:PRO:CA	1:B:25:PRO:C	1:B:26:ARG:N	4	1.3
(1,157)	1:A:25:PRO:N	1:A:25:PRO:CA	1:A:25:PRO:C	1:A:26:ARG:N	4	1.3
(1,144)	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1:D:23:LYS:N	8	1.3
(1,144)	1:D:22:ARG:N	1:D:22:ARG:CA	1:D:22:ARG:C	1:D:23:LYS:N	9	1.3
(1,143)	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1:C:23:LYS:N	8	1.3
(1,143)	1:C:22:ARG:N	1:C:22:ARG:CA	1:C:22:ARG:C	1:C:23:LYS:N	9	1.3
(1,142)	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1:B:23:LYS:N	8	1.3
(1,142)	1:B:22:ARG:N	1:B:22:ARG:CA	1:B:22:ARG:C	1:B:23:LYS:N	9	1.3
(1,141)	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1:A:23:LYS:N	8	1.3
(1,141)	1:A:22:ARG:N	1:A:22:ARG:CA	1:A:22:ARG:C	1:A:23:LYS:N	9	1.3
(1,1356)	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1:D:218:GLU:N	10	1.3
(1,1355)	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1:C:218:GLU:N	10	1.3
(1,1354)	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1:B:218:GLU:N	10	1.3
(1,1353)	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1:A:218:GLU:N	10	1.3
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	7	1.3
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	10	1.3
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	10	1.3
(1,1168)	1:D:181:ARG:C	1:D:182:GLN:N	1:D:182:GLN:CA	1:D:182:GLN:C	4	1.3
(1,1167)	1:C:181:ARG:C	1:C:182:GLN:N	1:C:182:GLN:CA	1:C:182:GLN:C	4	1.3
(1,1166)	1:B:181:ARG:C	1:B:182:GLN:N	1:B:182:GLN:CA	1:B:182:GLN:C	4	1.3
(1,1165)	1:A:181:ARG:C	1:A:182:GLN:N	1:A:182:GLN:CA	1:A:182:GLN:C	4	1.3
(1,1120)	1:D:173:LEU:C	1:D:174:MET:N	1:D:174:MET:CA	1:D:174:MET:C	9	1.3
(1,1119)	1:C:173:LEU:C	1:C:174:MET:N	1:C:174:MET:CA	1:C:174:MET:C	9	1.3
(1,1118)	1:B:173:LEU:C	1:B:174:MET:N	1:B:174:MET:CA	1:B:174:MET:C	9	1.3
(1,1024)	1:D:159:ALA:C	1:D:160:ARG:N	1:D:160:ARG:CA	1:D:160:ARG:C	1	1.3
(1,1023)	1:C:159:ALA:C	1:C:160:ARG:N	1:C:160:ARG:CA	1:C:160:ARG:C	1	1.3
(1,1022)	1:B:159:ALA:C	1:B:160:ARG:N	1:B:160:ARG:CA	1:B:160:ARG:C	1	1.3
(1,1021)	1:A:159:ALA:C	1:A:160:ARG:N	1:A:160:ARG:CA	1:A:160:ARG:C	1	1.3
(1,987)	1:C:151:ARG:N	1:C:151:ARG:CA	1:C:151:ARG:C	1:C:152:PRO:N	1	1.2
(1,986)	1:B:151:ARG:N	1:B:151:ARG:CA	1:B:151:ARG:C	1:B:152:PRO:N	1	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:D:13:SER:N	1:D:13:SER:CA	1:D:13:SER:C	1:D:14:PHE:N	3	1.2
(1,740)	1:D:117:HIS:N	1:D:117:HIS:CA	1:D:117:HIS:C	1:D:118:PRO:N	7	1.2
(1,739)	1:C:117:HIS:N	1:C:117:HIS:CA	1:C:117:HIS:C	1:C:118:PRO:N	7	1.2
(1,738)	1:B:117:HIS:N	1:B:117:HIS:CA	1:B:117:HIS:C	1:B:118:PRO:N	7	1.2
(1,737)	1:A:117:HIS:N	1:A:117:HIS:CA	1:A:117:HIS:C	1:A:118:PRO:N	7	1.2
(1,648)	1:D:94:PRO:N	1:D:94:PRO:CA	1:D:94:PRO:C	1:D:95:PRO:N	9	1.2
(1,647)	1:C:94:PRO:N	1:C:94:PRO:CA	1:C:94:PRO:C	1:C:95:PRO:N	9	1.2
(1,646)	1:B:94:PRO:N	1:B:94:PRO:CA	1:B:94:PRO:C	1:B:95:PRO:N	9	1.2
(1,645)	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	1:A:95:PRO:N	9	1.2
(1,641)	1:A:93:SER:C	1:A:94:PRO:N	1:A:94:PRO:CA	1:A:94:PRO:C	7	1.2
(1,628)	1:D:88:PRO:C	1:D:89:ILE:N	1:D:89:ILE:CA	1:D:89:ILE:C	4	1.2
(1,627)	1:C:88:PRO:C	1:C:89:ILE:N	1:C:89:ILE:CA	1:C:89:ILE:C	4	1.2
(1,626)	1:B:88:PRO:C	1:B:89:ILE:N	1:B:89:ILE:CA	1:B:89:ILE:C	9	1.2
(1,625)	1:A:88:PRO:C	1:A:89:ILE:N	1:A:89:ILE:CA	1:A:89:ILE:C	4	1.2
(1,60)	1:D:10:SER:C	1:D:11:SER:N	1:D:11:SER:CA	1:D:11:SER:C	5	1.2
(1,58)	1:B:10:SER:C	1:B:11:SER:N	1:B:11:SER:CA	1:B:11:SER:C	5	1.2
(1,57)	1:A:10:SER:C	1:A:11:SER:N	1:A:11:SER:CA	1:A:11:SER:C	5	1.2
(1,408)	1:D:60:TRP:N	1:D:60:TRP:CA	1:D:60:TRP:C	1:D:61:PRO:N	8	1.2
(1,407)	1:C:60:TRP:N	1:C:60:TRP:CA	1:C:60:TRP:C	1:C:61:PRO:N	8	1.2
(1,405)	1:A:60:TRP:N	1:A:60:TRP:CA	1:A:60:TRP:C	1:A:61:PRO:N	8	1.2
(1,387)	1:C:57:LYS:C	1:C:58:VAL:N	1:C:58:VAL:CA	1:C:58:VAL:C	7	1.2
(1,385)	1:A:57:LYS:C	1:A:58:VAL:N	1:A:58:VAL:CA	1:A:58:VAL:C	7	1.2
(1,384)	1:D:57:LYS:N	1:D:57:LYS:CA	1:D:57:LYS:C	1:D:58:VAL:N	5	1.2
(1,383)	1:C:57:LYS:N	1:C:57:LYS:CA	1:C:57:LYS:C	1:C:58:VAL:N	5	1.2
(1,382)	1:B:57:LYS:N	1:B:57:LYS:CA	1:B:57:LYS:C	1:B:58:VAL:N	5	1.2
(1,381)	1:A:57:LYS:N	1:A:57:LYS:CA	1:A:57:LYS:C	1:A:58:VAL:N	5	1.2
(1,2004)	1:D:293:ASP:N	1:D:293:ASP:CA	1:D:293:ASP:C	1:D:294:GLY:N	8	1.2
(1,2003)	1:C:293:ASP:N	1:C:293:ASP:CA	1:C:293:ASP:C	1:C:294:GLY:N	8	1.2
(1,2002)	1:B:293:ASP:N	1:B:293:ASP:CA	1:B:293:ASP:C	1:B:294:GLY:N	8	1.2
(1,2001)	1:A:293:ASP:N	1:A:293:ASP:CA	1:A:293:ASP:C	1:A:294:GLY:N	8	1.2
(1,1992)	1:D:260:SER:C	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	3	1.2
(1,1944)	1:D:224:LEU:C	1:D:225:GLY:N	1:D:225:GLY:CA	1:D:225:GLY:C	1	1.2
(1,1943)	1:C:224:LEU:C	1:C:225:GLY:N	1:C:225:GLY:CA	1:C:225:GLY:C	1	1.2
(1,1942)	1:B:224:LEU:C	1:B:225:GLY:N	1:B:225:GLY:CA	1:B:225:GLY:C	1	1.2
(1,1941)	1:A:224:LEU:C	1:A:225:GLY:N	1:A:225:GLY:CA	1:A:225:GLY:C	1	1.2
(1,192)	1:D:31:ILE:N	1:D:31:ILE:CA	1:D:31:ILE:C	1:D:32:TRP:N	1	1.2
(1,1912)	1:D:194:LEU:C	1:D:195:MET:N	1:D:195:MET:CA	1:D:195:MET:C	4	1.2
(1,1911)	1:C:194:LEU:C	1:C:195:MET:N	1:C:195:MET:CA	1:C:195:MET:C	4	1.2
(1,191)	1:C:31:ILE:N	1:C:31:ILE:CA	1:C:31:ILE:C	1:C:32:TRP:N	1	1.2
(1,190)	1:B:31:ILE:N	1:B:31:ILE:CA	1:B:31:ILE:C	1:B:32:TRP:N	1	1.2
(1,189)	1:A:31:ILE:N	1:A:31:ILE:CA	1:A:31:ILE:C	1:A:32:TRP:N	1	1.2
(1,181)	1:A:29:ARG:N	1:A:29:ARG:CA	1:A:29:ARG:C	1:A:30:ARG:N	9	1.2
(1,1785)	1:A:295:MET:N	1:A:295:MET:CA	1:A:295:MET:C	1:A:296:THR:N	10	1.2
(1,1730)	1:B:283:HIS:N	1:B:283:HIS:CA	1:B:283:HIS:C	1:B:284:ARG:N	4	1.2
(1,172)	1:D:27:GLY:C	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	6	1.2
(1,171)	1:C:27:GLY:C	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	6	1.2
(1,170)	1:B:27:GLY:C	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	6	1.2
(1,169)	1:A:27:GLY:C	1:A:28:GLY:N	1:A:28:GLY:CA	1:A:28:GLY:C	6	1.2
(1,1648)	1:D:271:ARG:C	1:D:272:HIS:N	1:D:272:HIS:CA	1:D:272:HIS:C	4	1.2
(1,1647)	1:C:271:ARG:C	1:C:272:HIS:N	1:C:272:HIS:CA	1:C:272:HIS:C	4	1.2
(1,1646)	1:B:271:ARG:C	1:B:272:HIS:N	1:B:272:HIS:CA	1:B:272:HIS:C	4	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1645)	1:A:271:ARG:C	1:A:272:HIS:N	1:A:272:HIS:CA	1:A:272:HIS:C	4	1.2
(1,160)	1:D:25:PRO:N	1:D:25:PRO:CA	1:D:25:PRO:C	1:D:26:ARG:N	6	1.2
(1,159)	1:C:25:PRO:N	1:C:25:PRO:CA	1:C:25:PRO:C	1:C:26:ARG:N	6	1.2
(1,158)	1:B:25:PRO:N	1:B:25:PRO:CA	1:B:25:PRO:C	1:B:26:ARG:N	6	1.2
(1,157)	1:A:25:PRO:N	1:A:25:PRO:CA	1:A:25:PRO:C	1:A:26:ARG:N	6	1.2
(1,1356)	1:D:217:ASN:N	1:D:217:ASN:CA	1:D:217:ASN:C	1:D:218:GLU:N	9	1.2
(1,1355)	1:C:217:ASN:N	1:C:217:ASN:CA	1:C:217:ASN:C	1:C:218:GLU:N	9	1.2
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	7	1.2
(1,1250)	1:B:193:ARG:N	1:B:193:ARG:CA	1:B:193:ARG:C	1:B:194:LEU:N	7	1.2
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	7	1.2
(1,1216)	1:D:188:ALA:C	1:D:189:ARG:N	1:D:189:ARG:CA	1:D:189:ARG:C	9	1.2
(1,1215)	1:C:188:ALA:C	1:C:189:ARG:N	1:C:189:ARG:CA	1:C:189:ARG:C	9	1.2
(1,1214)	1:B:188:ALA:C	1:B:189:ARG:N	1:B:189:ARG:CA	1:B:189:ARG:C	9	1.2
(1,1213)	1:A:188:ALA:C	1:A:189:ARG:N	1:A:189:ARG:CA	1:A:189:ARG:C	9	1.2
(1,1164)	1:D:180:ALA:N	1:D:180:ALA:CA	1:D:180:ALA:C	1:D:181:ARG:N	10	1.2
(1,1163)	1:C:180:ALA:N	1:C:180:ALA:CA	1:C:180:ALA:C	1:C:181:ARG:N	10	1.2
(1,1161)	1:A:180:ALA:N	1:A:180:ALA:CA	1:A:180:ALA:C	1:A:181:ARG:N	10	1.2
(1,1117)	1:A:173:LEU:C	1:A:174:MET:N	1:A:174:MET:CA	1:A:174:MET:C	9	1.2
(1,108)	1:D:17:ALA:C	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1	1.2
(1,107)	1:C:17:ALA:C	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1	1.2
(1,106)	1:B:17:ALA:C	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1	1.2
(1,105)	1:A:17:ALA:C	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1	1.2
(1,104)	1:D:16:GLN:N	1:D:16:GLN:CA	1:D:16:GLN:C	1:D:17:ALA:N	10	1.2
(1,103)	1:C:16:GLN:N	1:C:16:GLN:CA	1:C:16:GLN:C	1:C:17:ALA:N	10	1.2
(1,102)	1:B:16:GLN:N	1:B:16:GLN:CA	1:B:16:GLN:C	1:B:17:ALA:N	10	1.2
(1,101)	1:A:16:GLN:N	1:A:16:GLN:CA	1:A:16:GLN:C	1:A:17:ALA:N	10	1.2
(1,79)	1:C:13:SER:N	1:C:13:SER:CA	1:C:13:SER:C	1:C:14:PHE:N	3	1.1
(1,78)	1:B:13:SER:N	1:B:13:SER:CA	1:B:13:SER:C	1:B:14:PHE:N	3	1.1
(1,77)	1:A:13:SER:N	1:A:13:SER:CA	1:A:13:SER:C	1:A:14:PHE:N	3	1.1
(1,744)	1:D:119:GLN:C	1:D:120:THR:N	1:D:120:THR:CA	1:D:120:THR:C	8	1.1
(1,743)	1:C:119:GLN:C	1:C:120:THR:N	1:C:120:THR:CA	1:C:120:THR:C	8	1.1
(1,742)	1:B:119:GLN:C	1:B:120:THR:N	1:B:120:THR:CA	1:B:120:THR:C	8	1.1
(1,741)	1:A:119:GLN:C	1:A:120:THR:N	1:A:120:THR:CA	1:A:120:THR:C	8	1.1
(1,711)	1:C:104:SER:N	1:C:104:SER:CA	1:C:104:SER:C	1:C:105:VAL:N	3	1.1
(1,710)	1:B:104:SER:N	1:B:104:SER:CA	1:B:104:SER:C	1:B:105:VAL:N	3	1.1
(1,709)	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	1:A:105:VAL:N	3	1.1
(1,68)	1:D:11:SER:C	1:D:12:ASP:N	1:D:12:ASP:CA	1:D:12:ASP:C	10	1.1
(1,67)	1:C:11:SER:C	1:C:12:ASP:N	1:C:12:ASP:CA	1:C:12:ASP:C	10	1.1
(1,66)	1:B:11:SER:C	1:B:12:ASP:N	1:B:12:ASP:CA	1:B:12:ASP:C	10	1.1
(1,65)	1:A:11:SER:C	1:A:12:ASP:N	1:A:12:ASP:CA	1:A:12:ASP:C	10	1.1
(1,636)	1:D:90:ALA:C	1:D:91:ASN:N	1:D:91:ASN:CA	1:D:91:ASN:C	5	1.1
(1,635)	1:C:90:ALA:C	1:C:91:ASN:N	1:C:91:ASN:CA	1:C:91:ASN:C	9	1.1
(1,635)	1:C:90:ALA:C	1:C:91:ASN:N	1:C:91:ASN:CA	1:C:91:ASN:C	10	1.1
(1,634)	1:B:90:ALA:C	1:B:91:ASN:N	1:B:91:ASN:CA	1:B:91:ASN:C	9	1.1
(1,634)	1:B:90:ALA:C	1:B:91:ASN:N	1:B:91:ASN:CA	1:B:91:ASN:C	10	1.1
(1,633)	1:A:90:ALA:C	1:A:91:ASN:N	1:A:91:ASN:CA	1:A:91:ASN:C	5	1.1
(1,633)	1:A:90:ALA:C	1:A:91:ASN:N	1:A:91:ASN:CA	1:A:91:ASN:C	9	1.1
(1,59)	1:C:10:SER:C	1:C:11:SER:N	1:C:11:SER:CA	1:C:11:SER:C	5	1.1
(1,406)	1:B:60:TRP:N	1:B:60:TRP:CA	1:B:60:TRP:C	1:B:61:PRO:N	8	1.1
(1,388)	1:D:57:LYS:C	1:D:58:VAL:N	1:D:58:VAL:CA	1:D:58:VAL:C	7	1.1
(1,386)	1:B:57:LYS:C	1:B:58:VAL:N	1:B:58:VAL:CA	1:B:58:VAL:C	7	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,276)	1:D:43:MET:C	1:D:44:PRO:N	1:D:44:PRO:CA	1:D:44:PRO:C	7	1.1
(1,275)	1:C:43:MET:C	1:C:44:PRO:N	1:C:44:PRO:CA	1:C:44:PRO:C	7	1.1
(1,274)	1:B:43:MET:C	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	7	1.1
(1,273)	1:A:43:MET:C	1:A:44:PRO:N	1:A:44:PRO:CA	1:A:44:PRO:C	7	1.1
(1,264)	1:D:41:TYR:N	1:D:41:TYR:CA	1:D:41:TYR:C	1:D:42:GLY:N	5	1.1
(1,263)	1:C:41:TYR:N	1:C:41:TYR:CA	1:C:41:TYR:C	1:C:42:GLY:N	5	1.1
(1,262)	1:B:41:TYR:N	1:B:41:TYR:CA	1:B:41:TYR:C	1:B:42:GLY:N	5	1.1
(1,261)	1:A:41:TYR:N	1:A:41:TYR:CA	1:A:41:TYR:C	1:A:42:GLY:N	5	1.1
(1,1992)	1:D:260:SER:C	1:D:261:ASP:N	1:D:261:ASP:CA	1:D:261:ASP:C	10	1.1
(1,1991)	1:C:260:SER:C	1:C:261:ASP:N	1:C:261:ASP:CA	1:C:261:ASP:C	10	1.1
(1,1990)	1:B:260:SER:C	1:B:261:ASP:N	1:B:261:ASP:CA	1:B:261:ASP:C	10	1.1
(1,1989)	1:A:260:SER:C	1:A:261:ASP:N	1:A:261:ASP:CA	1:A:261:ASP:C	10	1.1
(1,1912)	1:D:194:LEU:C	1:D:195:MET:N	1:D:195:MET:CA	1:D:195:MET:C	8	1.1
(1,1910)	1:B:194:LEU:C	1:B:195:MET:N	1:B:195:MET:CA	1:B:195:MET:C	4	1.1
(1,1909)	1:A:194:LEU:C	1:A:195:MET:N	1:A:195:MET:CA	1:A:195:MET:C	4	1.1
(1,184)	1:D:29:ARG:N	1:D:29:ARG:CA	1:D:29:ARG:C	1:D:30:ARG:N	9	1.1
(1,183)	1:C:29:ARG:N	1:C:29:ARG:CA	1:C:29:ARG:C	1:C:30:ARG:N	9	1.1
(1,182)	1:B:29:ARG:N	1:B:29:ARG:CA	1:B:29:ARG:C	1:B:30:ARG:N	9	1.1
(1,1804)	1:D:297:HIS:N	1:D:297:HIS:CA	1:D:297:HIS:C	1:D:298:ILE:N	4	1.1
(1,1803)	1:C:297:HIS:N	1:C:297:HIS:CA	1:C:297:HIS:C	1:C:298:ILE:N	4	1.1
(1,1802)	1:B:297:HIS:N	1:B:297:HIS:CA	1:B:297:HIS:C	1:B:298:ILE:N	4	1.1
(1,1801)	1:A:297:HIS:N	1:A:297:HIS:CA	1:A:297:HIS:C	1:A:298:ILE:N	4	1.1
(1,1732)	1:D:283:HIS:N	1:D:283:HIS:CA	1:D:283:HIS:C	1:D:284:ARG:N	4	1.1
(1,1732)	1:D:283:HIS:N	1:D:283:HIS:CA	1:D:283:HIS:C	1:D:284:ARG:N	10	1.1
(1,1731)	1:C:283:HIS:N	1:C:283:HIS:CA	1:C:283:HIS:C	1:C:284:ARG:N	4	1.1
(1,1731)	1:C:283:HIS:N	1:C:283:HIS:CA	1:C:283:HIS:C	1:C:284:ARG:N	10	1.1
(1,1730)	1:B:283:HIS:N	1:B:283:HIS:CA	1:B:283:HIS:C	1:B:284:ARG:N	10	1.1
(1,1729)	1:A:283:HIS:N	1:A:283:HIS:CA	1:A:283:HIS:C	1:A:284:ARG:N	4	1.1
(1,1729)	1:A:283:HIS:N	1:A:283:HIS:CA	1:A:283:HIS:C	1:A:284:ARG:N	10	1.1
(1,172)	1:D:27:GLY:C	1:D:28:GLY:N	1:D:28:GLY:CA	1:D:28:GLY:C	8	1.1
(1,171)	1:C:27:GLY:C	1:C:28:GLY:N	1:C:28:GLY:CA	1:C:28:GLY:C	8	1.1
(1,170)	1:B:27:GLY:C	1:B:28:GLY:N	1:B:28:GLY:CA	1:B:28:GLY:C	8	1.1
(1,1696)	1:D:278:ASP:C	1:D:279:ILE:N	1:D:279:ILE:CA	1:D:279:ILE:C	7	1.1
(1,1695)	1:C:278:ASP:C	1:C:279:ILE:N	1:C:279:ILE:CA	1:C:279:ILE:C	7	1.1
(1,1693)	1:A:278:ASP:C	1:A:279:ILE:N	1:A:279:ILE:CA	1:A:279:ILE:C	7	1.1
(1,1691)	1:C:278:ASP:N	1:C:278:ASP:CA	1:C:278:ASP:C	1:C:279:ILE:N	9	1.1
(1,1680)	1:D:276:HIS:C	1:D:277:ASP:N	1:D:277:ASP:CA	1:D:277:ASP:C	5	1.1
(1,1679)	1:C:276:HIS:C	1:C:277:ASP:N	1:C:277:ASP:CA	1:C:277:ASP:C	5	1.1
(1,1678)	1:B:276:HIS:C	1:B:277:ASP:N	1:B:277:ASP:CA	1:B:277:ASP:C	5	1.1
(1,1677)	1:A:276:HIS:C	1:A:277:ASP:N	1:A:277:ASP:CA	1:A:277:ASP:C	5	1.1
(1,1354)	1:B:217:ASN:N	1:B:217:ASN:CA	1:B:217:ASN:C	1:B:218:GLU:N	9	1.1
(1,1353)	1:A:217:ASN:N	1:A:217:ASN:CA	1:A:217:ASN:C	1:A:218:GLU:N	9	1.1
(1,1308)	1:D:210:HIS:N	1:D:210:HIS:CA	1:D:210:HIS:C	1:D:211:ASP:N	6	1.1
(1,1307)	1:C:210:HIS:N	1:C:210:HIS:CA	1:C:210:HIS:C	1:C:211:ASP:N	6	1.1
(1,1306)	1:B:210:HIS:N	1:B:210:HIS:CA	1:B:210:HIS:C	1:B:211:ASP:N	6	1.1
(1,1305)	1:A:210:HIS:N	1:A:210:HIS:CA	1:A:210:HIS:C	1:A:211:ASP:N	6	1.1
(1,1252)	1:D:193:ARG:N	1:D:193:ARG:CA	1:D:193:ARG:C	1:D:194:LEU:N	5	1.1
(1,1251)	1:C:193:ARG:N	1:C:193:ARG:CA	1:C:193:ARG:C	1:C:194:LEU:N	5	1.1
(1,1249)	1:A:193:ARG:N	1:A:193:ARG:CA	1:A:193:ARG:C	1:A:194:LEU:N	5	1.1
(1,1240)	1:D:191:LYS:C	1:D:192:MET:N	1:D:192:MET:CA	1:D:192:MET:C	6	1.1
(1,1239)	1:C:191:LYS:C	1:C:192:MET:N	1:C:192:MET:CA	1:C:192:MET:C	6	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1238)	1:B:191:LYS:C	1:B:192:MET:N	1:B:192:MET:CA	1:B:192:MET:C	6	1.1
(1,1237)	1:A:191:LYS:C	1:A:192:MET:N	1:A:192:MET:CA	1:A:192:MET:C	6	1.1
(1,1162)	1:B:180:ALA:N	1:B:180:ALA:CA	1:B:180:ALA:C	1:B:181:ARG:N	10	1.1
(1,112)	1:D:18:ALA:N	1:D:18:ALA:CA	1:D:18:ALA:C	1:D:19:SER:N	2	1.1
(1,111)	1:C:18:ALA:N	1:C:18:ALA:CA	1:C:18:ALA:C	1:C:19:SER:N	2	1.1
(1,110)	1:B:18:ALA:N	1:B:18:ALA:CA	1:B:18:ALA:C	1:B:19:SER:N	2	1.1
(1,109)	1:A:18:ALA:N	1:A:18:ALA:CA	1:A:18:ALA:C	1:A:19:SER:N	2	1.1