



Full wwPDB NMR Structure Validation Report ⓘ

Sep 28, 2023 – 01:16 pm BST

PDB ID : 8B4S
BMRB ID : 34757
Title : Antimicrobial peptide capitellacin from polychaeta Capitella teleta in DPC (dodecylphosphocholine) micelles, dimeric form
Authors : Mironov, P.A.; Reznikova, O.V.; Paramonov, A.S.; Shenkarev, Z.O.
Deposited on : 2022-09-21

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) : 2.35.1

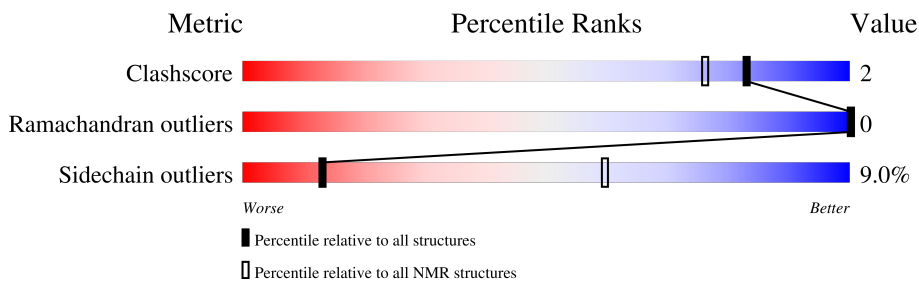
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 66%.

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	20	
1	B	20	

2 Ensemble composition and analysis i

This entry contains 20 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:2-A:20, B:101-B:120 (39)	0.73	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 3 clusters and 1 single-model cluster was found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 650 atoms, of which 324 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called BRICHOS domain-containing protein.

Mol	Chain	Residues	Atoms					Trace	
			Total	C	H	N	O		S
1	A	20	325	99	162	37	23	4	0
1	B	20	325	99	162	37	23	4	0

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

- Molecule 1: BRICHOS domain-containing protein

Chain A:  95% 5%



- Molecule 1: BRICHOS domain-containing protein

Chain B:  100%

There are no outlier residues in this chain.

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: BRICHOS domain-containing protein

Chain A:  95% 5%



- Molecule 1: BRICHOS domain-containing protein

Chain B:  100%

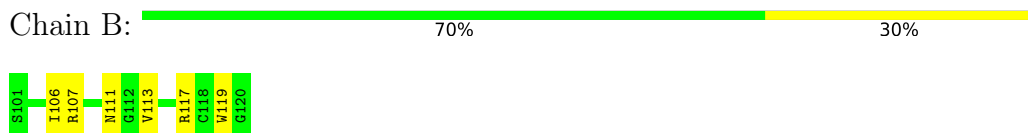
There are no outlier residues in this chain.

4.2.2 Score per residue for model 2

- Molecule 1: BRICHOS domain-containing protein

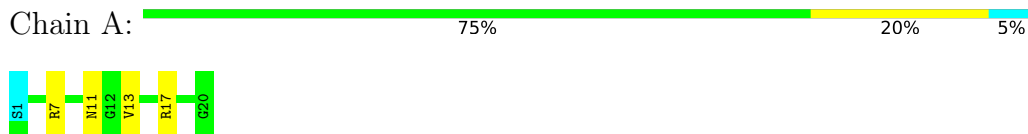


- Molecule 1: BRICHOS domain-containing protein

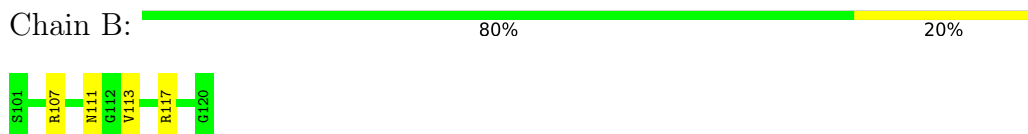


4.2.3 Score per residue for model 3

- Molecule 1: BRICHOS domain-containing protein

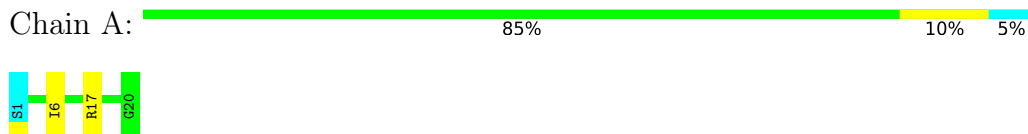


- Molecule 1: BRICHOS domain-containing protein

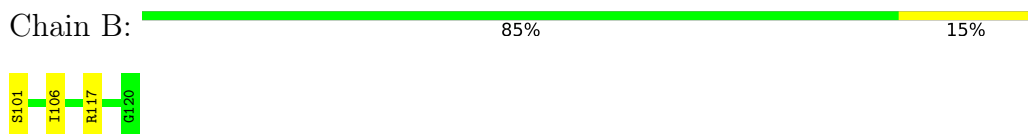


4.2.4 Score per residue for model 4

- Molecule 1: BRICHOS domain-containing protein

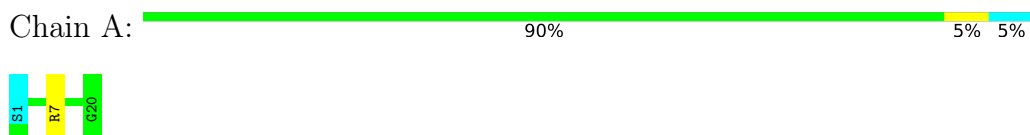


- Molecule 1: BRICHOS domain-containing protein

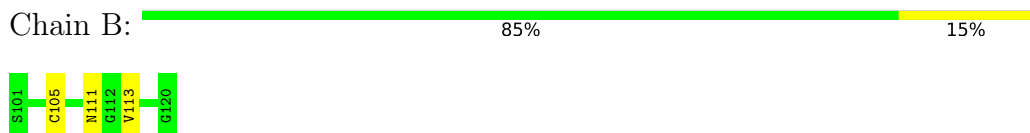


4.2.5 Score per residue for model 5

- Molecule 1: BRICHOS domain-containing protein

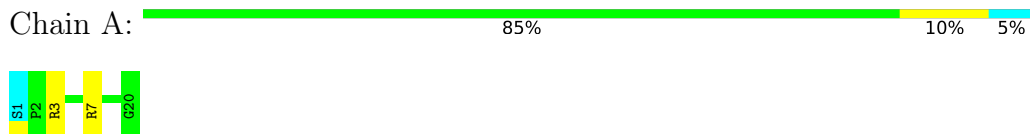


- Molecule 1: BRICHOS domain-containing protein

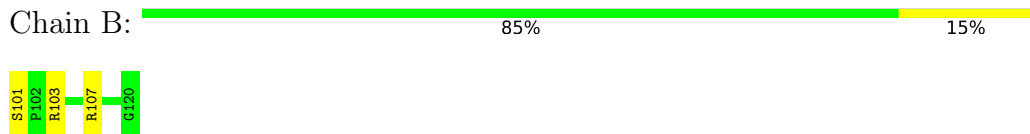


4.2.6 Score per residue for model 6

- Molecule 1: BRICHOS domain-containing protein

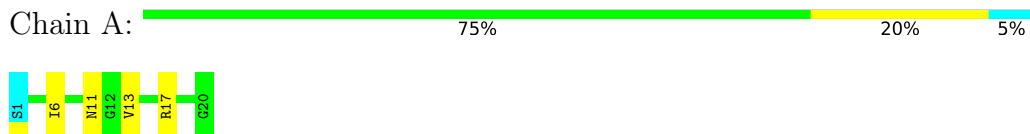


- Molecule 1: BRICHOS domain-containing protein

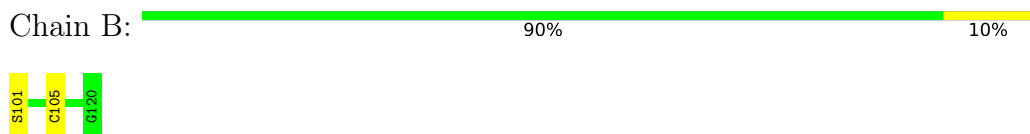


4.2.7 Score per residue for model 7

- Molecule 1: BRICHOS domain-containing protein

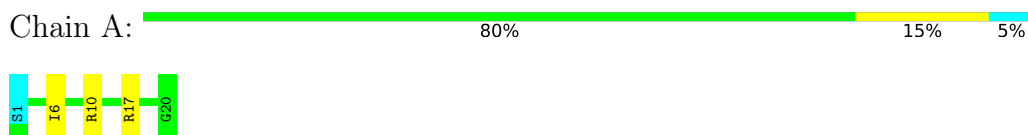


- Molecule 1: BRICHOS domain-containing protein

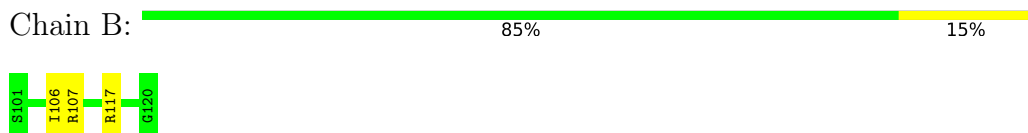


4.2.8 Score per residue for model 8

- Molecule 1: BRICHOS domain-containing protein



- Molecule 1: BRICHOS domain-containing protein

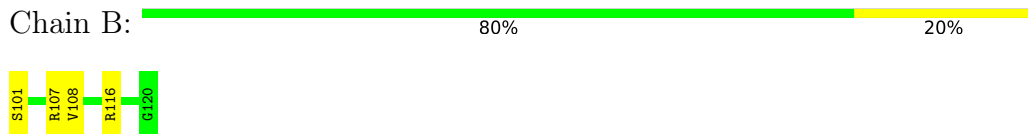


4.2.9 Score per residue for model 9

- Molecule 1: BRICHOS domain-containing protein

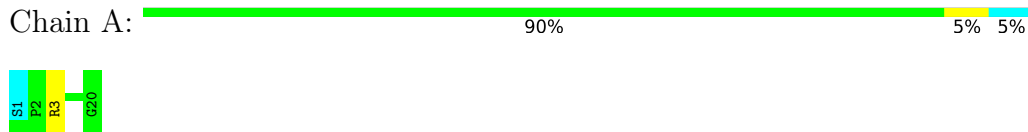


- Molecule 1: BRICHOS domain-containing protein

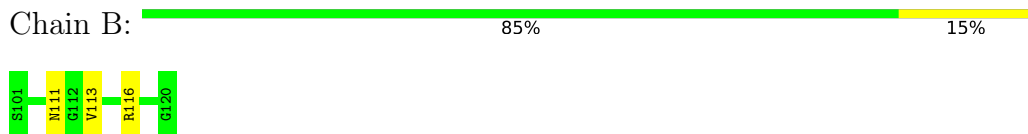


4.2.10 Score per residue for model 10

- Molecule 1: BRICHOS domain-containing protein

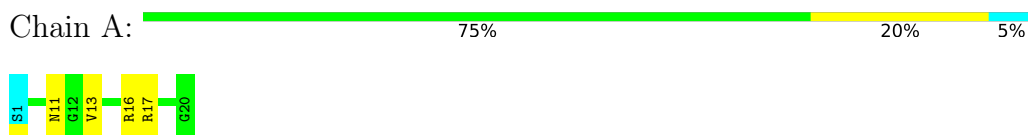


- Molecule 1: BRICHOS domain-containing protein

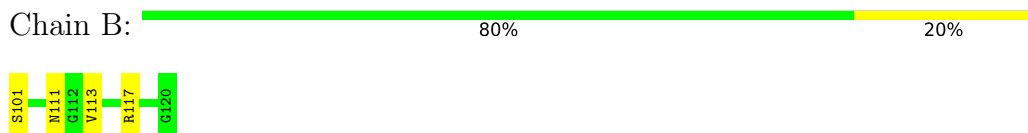


4.2.11 Score per residue for model 11

- Molecule 1: BRICHOS domain-containing protein

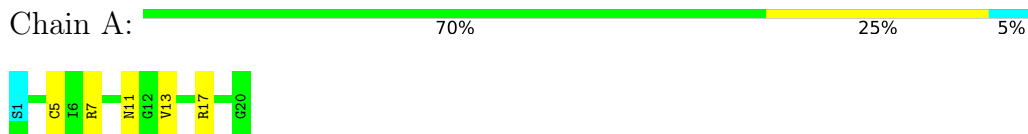


- Molecule 1: BRICHOS domain-containing protein

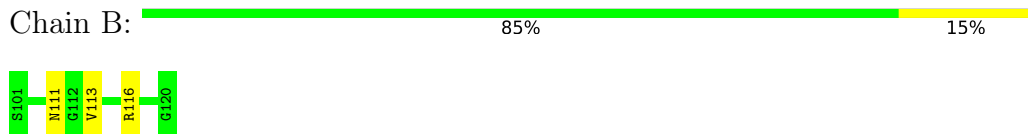


4.2.12 Score per residue for model 12

- Molecule 1: BRICHOS domain-containing protein

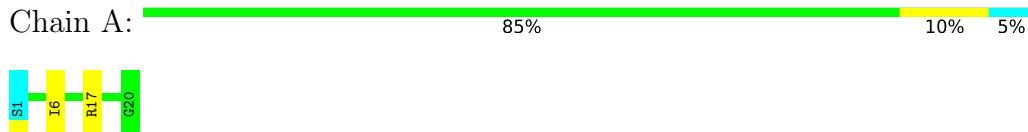


- Molecule 1: BRICHOS domain-containing protein

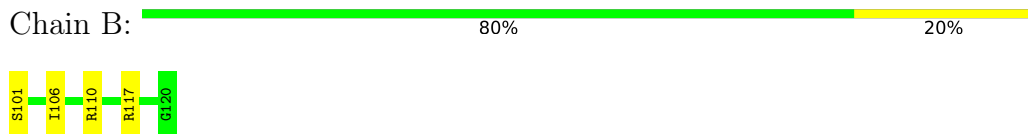


4.2.13 Score per residue for model 13

- Molecule 1: BRICHOS domain-containing protein

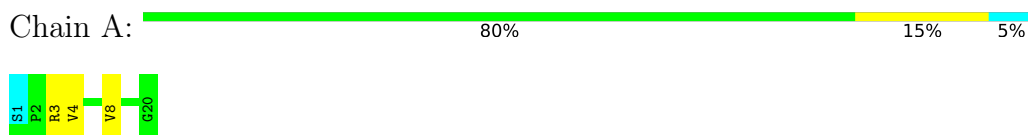


- Molecule 1: BRICHOS domain-containing protein

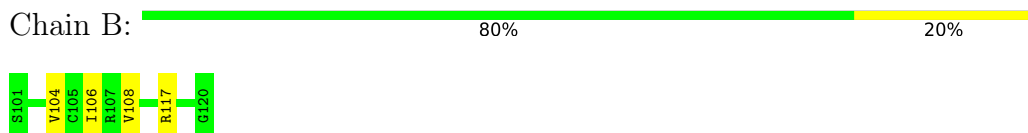


4.2.14 Score per residue for model 14

- Molecule 1: BRICHOS domain-containing protein

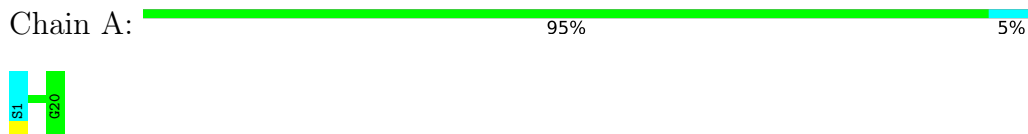


- Molecule 1: BRICHOS domain-containing protein

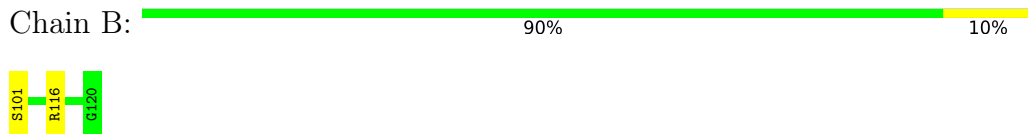


4.2.15 Score per residue for model 15

- Molecule 1: BRICHOS domain-containing protein

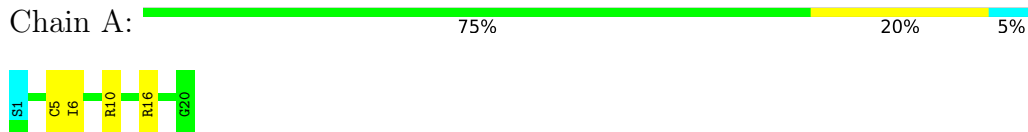


- Molecule 1: BRICHOS domain-containing protein

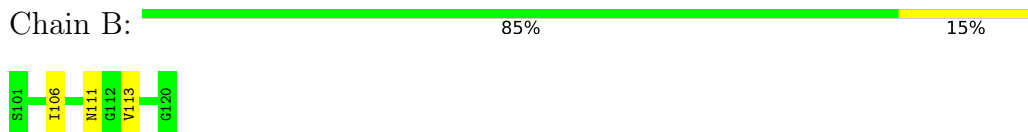


4.2.16 Score per residue for model 16

- Molecule 1: BRICHOS domain-containing protein

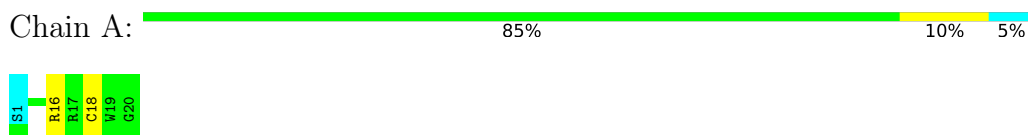


- Molecule 1: BRICHOS domain-containing protein



4.2.17 Score per residue for model 17

- Molecule 1: BRICHOS domain-containing protein



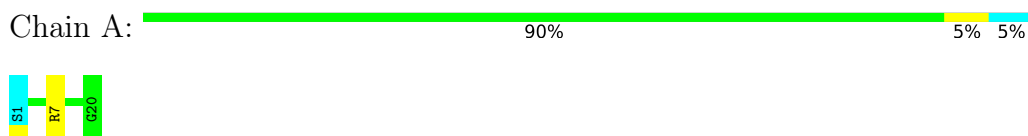
- Molecule 1: BRICHOS domain-containing protein



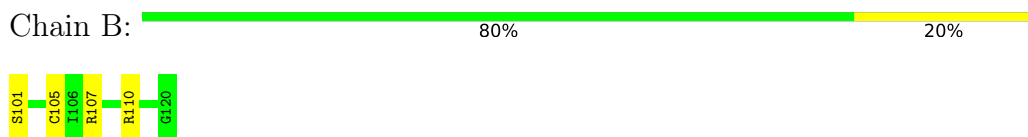
There are no outlier residues in this chain.

4.2.18 Score per residue for model 18

- Molecule 1: BRICHOS domain-containing protein

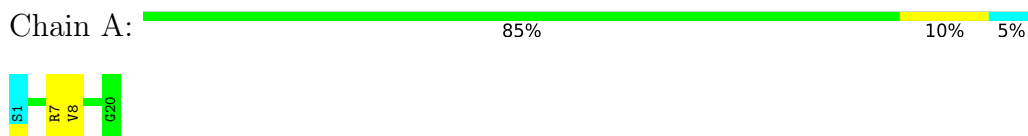


- Molecule 1: BRICHOS domain-containing protein

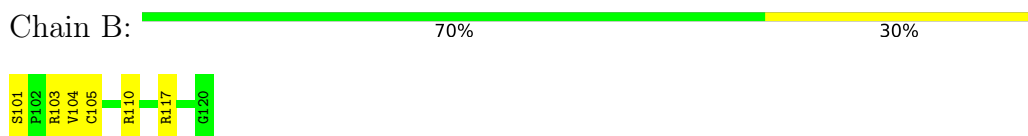


4.2.19 Score per residue for model 19

- Molecule 1: BRICHOS domain-containing protein




- Molecule 1: BRICHOS domain-containing protein




4.2.20 Score per residue for model 20

- Molecule 1: BRICHOS domain-containing protein

Chain A:  85% 10% 5%



- Molecule 1: BRICHOS domain-containing protein

Chain B:  80% 20%



5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
CYANA	refinement	3.98.13
CYANA	structure calculation	3.98.13

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	399
Number of shifts mapped to atoms	399
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	66%

6 Model quality i

6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	B	163	162	161	1±1
1	A	157	157	157	1±1
All	All	6400	6380	6360	30

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 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:4:VAL:HG22	1:B:108:VAL:HG13	0.81	1.52	14	2
1:A:4:VAL:HG13	1:B:108:VAL:HG22	0.61	1.71	14	1
1:A:8:VAL:HG13	1:B:104:VAL:HG22	0.57	1.76	20	3
1:A:6:ILE:HG22	1:A:17:ARG:O	0.55	2.02	4	5
1:B:106:ILE:HG22	1:B:117:ARG:O	0.54	2.03	2	4
1:A:6:ILE:HB	1:B:106:ILE:HG22	0.54	1.78	16	1
1:A:6:ILE:HG22	1:B:106:ILE:HG22	0.48	1.84	8	1
1:A:11:ASN:OD1	1:A:13:VAL:HG23	0.48	2.09	12	6
1:B:111:ASN:OD1	1:B:113:VAL:HG23	0.46	2.11	2	7

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	18/20 (90%)	17±0 (93±3%)	1±0 (7±3%)	0±0 (0±0%)	100	100
1	B	18/20 (90%)	17±1 (93±3%)	1±1 (7±3%)	0±0 (0±0%)	100	100
All	All	720/800 (90%)	670 (93%)	50 (7%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	17/18 (94%)	16±1 (92±6%)	1±1 (8±6%)	16	63
1	B	18/18 (100%)	16±1 (90±7%)	2±1 (10±7%)	11	56
All	All	700/720 (97%)	637 (91%)	63 (9%)	13	60

All 18 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	B	101	SER	9
1	A	7	ARG	8
1	B	107	ARG	7
1	B	105	CYS	5
1	A	16	ARG	4
1	A	17	ARG	4
1	B	117	ARG	4
1	B	116	ARG	4
1	A	3	ARG	3
1	B	110	ARG	3

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Mol	Chain	Res	Type	Models (Total)
1	B	103	ARG	2
1	A	10	ARG	2
1	A	18	CYS	2
1	A	5	CYS	2
1	A	19	TRP	1
1	B	119	TRP	1
1	A	15	TYR	1
1	B	118	CYS	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 66% for the well-defined parts and 66% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *capitellacin_dimer_deposit_2-HhnhTR5W.bmrB*

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	399
Number of shifts mapped to atoms	399
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

The following errors were found when reading this chemical shift list.

- Chemical shift has been reported more than once. All 14 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	B	104	VAL	HG12	0.999	0.020	2
1	B	104	VAL	HG13	0.999	0.020	2
1	B	104	VAL	HG22	1.078	0.020	2
1	B	104	VAL	HG23	1.078	0.020	2
1	B	106	ILE	HG22	0.992	0.020	1
1	B	106	ILE	HG23	0.992	0.020	1
1	B	108	VAL	HG12	0.968	0.020	2
1	B	108	VAL	HG13	0.968	0.020	2
1	B	108	VAL	HG22	1.049	0.020	2
1	B	108	VAL	HG23	1.049	0.020	2
1	B	113	VAL	HG12	0.777	0.020	2
1	B	113	VAL	HG13	0.777	0.020	2
1	B	113	VAL	HG22	0.907	0.020	2
1	B	113	VAL	HG23	0.907	0.020	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
$^{13}\text{C}_\alpha$	12	—	None (insufficient data)
$^{13}\text{C}_\beta$	36	-1.09 ± 0.22	Should be checked
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	15	—	None (insufficient data)

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 66%, i.e. 381 atoms were assigned a chemical shift out of a possible 574. 0 out of 6 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	106/195 (54%)	79/80 (99%)	12/78 (15%)	15/37 (41%)
Sidechain	247/337 (73%)	166/216 (77%)	76/89 (85%)	5/32 (16%)
Aromatic	28/42 (67%)	20/20 (100%)	7/20 (35%)	1/2 (50%)
Overall	381/574 (66%)	265/316 (84%)	95/187 (51%)	21/71 (30%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 66%, i.e. 385 atoms were assigned a chemical shift out of a possible 582. 0 out of 6 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	107/200 (54%)	80/82 (98%)	12/80 (15%)	15/38 (39%)
Sidechain	250/340 (74%)	168/218 (77%)	77/90 (86%)	5/32 (16%)
Aromatic	28/42 (67%)	20/20 (100%)	7/20 (35%)	1/2 (50%)
Overall	385/582 (66%)	268/320 (84%)	96/190 (51%)	21/72 (29%)

7.1.4 Statistically unusual chemical shifts [i](#)

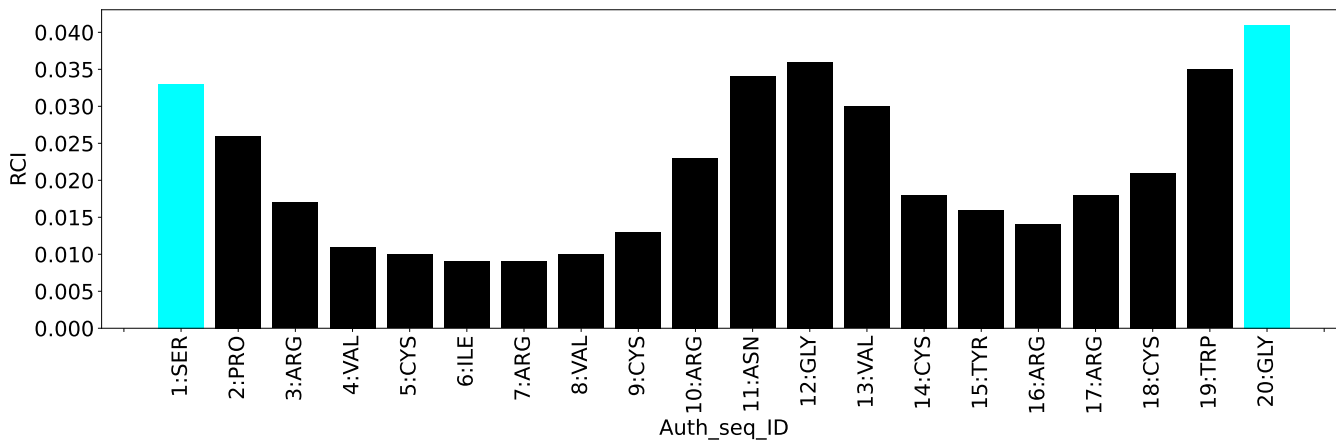
There are no statistically unusual chemical shifts.

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

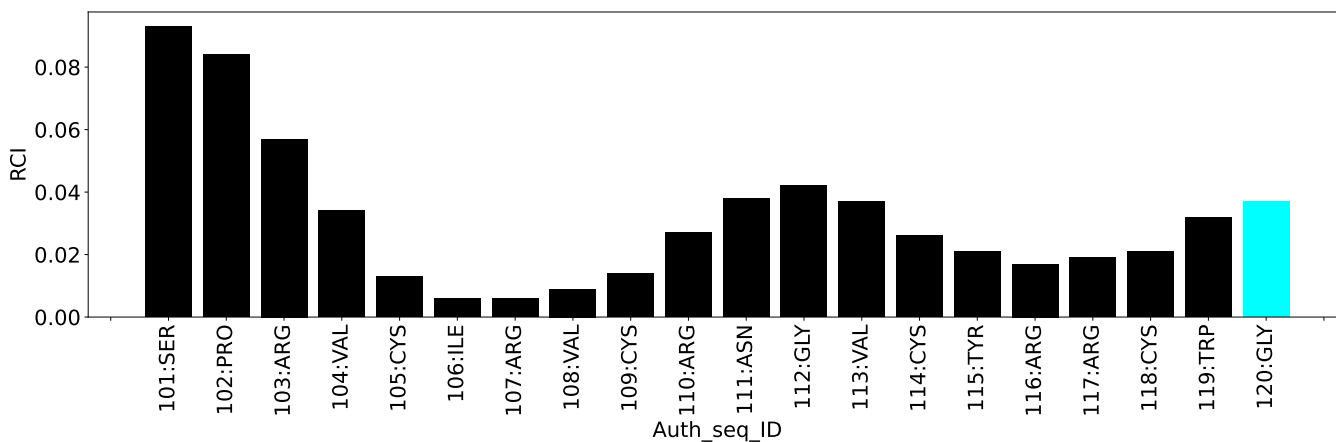
The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-

defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



Random coil index (RCI) for chain B:



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	247
Intra-residue ($ i-j =0$)	38
Sequential ($ i-j =1$)	86
Medium range ($ i-j >1$ and $ i-j <5$)	20
Long range ($ i-j \geq 5$)	49
Inter-chain	10
Hydrogen bond restraints	40
Disulfide bond restraints	4
Total dihedral-angle restraints	662
Number of unmapped restraints	0
Number of restraints per residue	22.7
Number of long range restraints per residue ¹	1.8

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)	12.1	0.2
0.2-0.5 (Medium)	44.1	0.5
>0.5 (Large)	131.6	3.82

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)	28.6	10.0
10.0-20.0 (Medium)	29.9	20.0
>20.0 (Large)	125.2	171.95

9 Distance violation analysis i

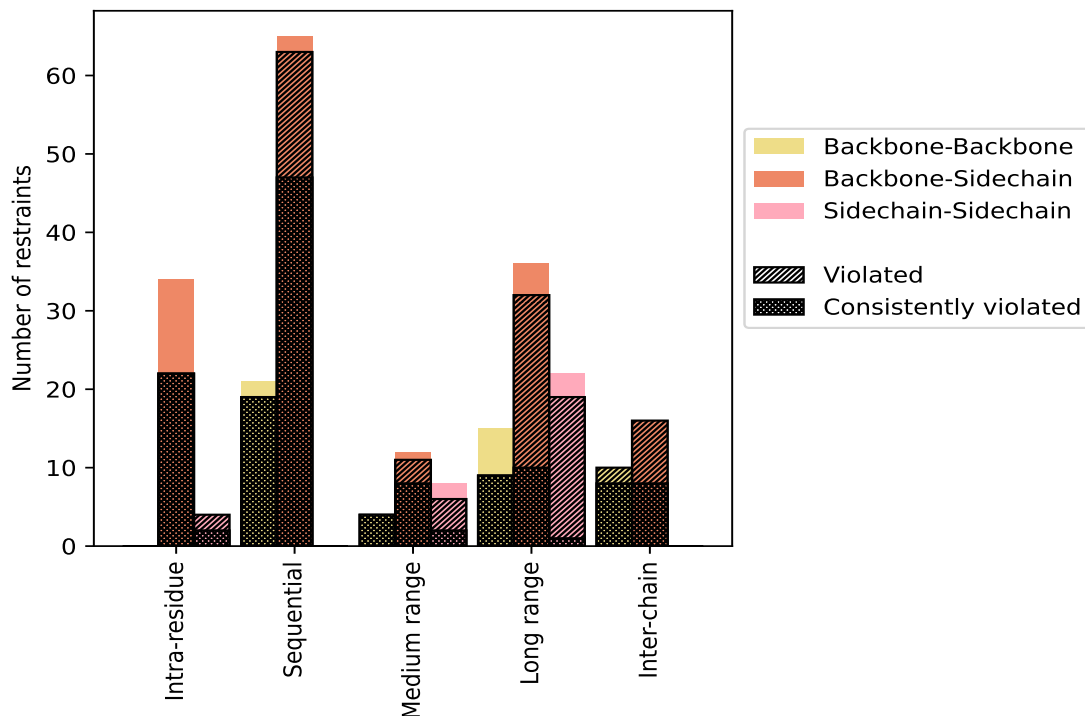
9.1 Summary of distance violations i

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 ($i-j =0$)	38	15.4	26	68.4	10.5	24	63.2	9.7
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	34	13.8	22	64.7	8.9	22	64.7	8.9
Sidechain-Sidechain	4	1.6	4	100.0	1.6	2	50.0	0.8
Sequential ($i-j =1$)	86	34.8	82	95.3	33.2	66	76.7	26.7
Backbone-Backbone	21	8.5	19	90.5	7.7	19	90.5	7.7
Backbone-Sidechain	65	26.3	63	96.9	25.5	47	72.3	19.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	20	8.1	18	90.0	7.3	14	70.0	5.7
Backbone-Backbone	4	1.6	4	100.0	1.6	4	100.0	1.6
Backbone-Sidechain	8	3.2	8	100.0	3.2	8	100.0	3.2
Sidechain-Sidechain	8	3.2	6	75.0	2.4	2	25.0	0.8
Long range ($i-j \geq 5$)	49	19.8	39	79.6	15.8	14	28.6	5.7
Backbone-Backbone	15	6.1	9	60.0	3.6	9	60.0	3.6
Backbone-Sidechain	16	6.5	12	75.0	4.9	4	25.0	1.6
Sidechain-Sidechain	18	7.3	18	100.0	7.3	1	5.6	0.4
Inter-chain	10	4.0	10	100.0	4.0	8	80.0	3.2
Backbone-Backbone	10	4.0	10	100.0	4.0	8	80.0	3.2
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	40	16.2	39	97.5	15.8	14	35.0	5.7
Disulfide bond	4	1.6	1	25.0	0.4	0	0.0	0.0
Total	247	100.0	215	87.0	87.0	140	56.7	56.7
Backbone-Backbone	50	20.2	42	84.0	17.0	40	80.0	16.2
Backbone-Sidechain	163	66.0	144	88.3	58.3	95	58.3	38.5
Sidechain-Sidechain	34	13.8	29	85.3	11.7	5	14.7	2.0

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	25	78	16	45	20	184	1.11	3.67	0.75	0.98
2	24	74	16	46	20	180	1.06	3.69	0.73	0.9
3	24	80	20	50	24	198	1.0	3.63	0.75	0.88
4	25	74	16	45	19	179	1.13	3.74	0.81	1.03
5	25	79	16	46	23	189	1.03	3.76	0.73	0.86
6	26	80	16	48	23	193	1.1	3.78	0.82	0.93
7	25	77	16	52	22	192	1.07	3.75	0.76	0.92
8	26	77	19	47	25	194	1.07	3.76	0.76	0.92
9	25	77	18	48	21	189	1.07	3.82	0.8	0.9
10	25	78	17	49	24	193	1.03	3.7	0.74	0.87
11	24	78	17	47	22	188	1.09	3.74	0.82	0.92

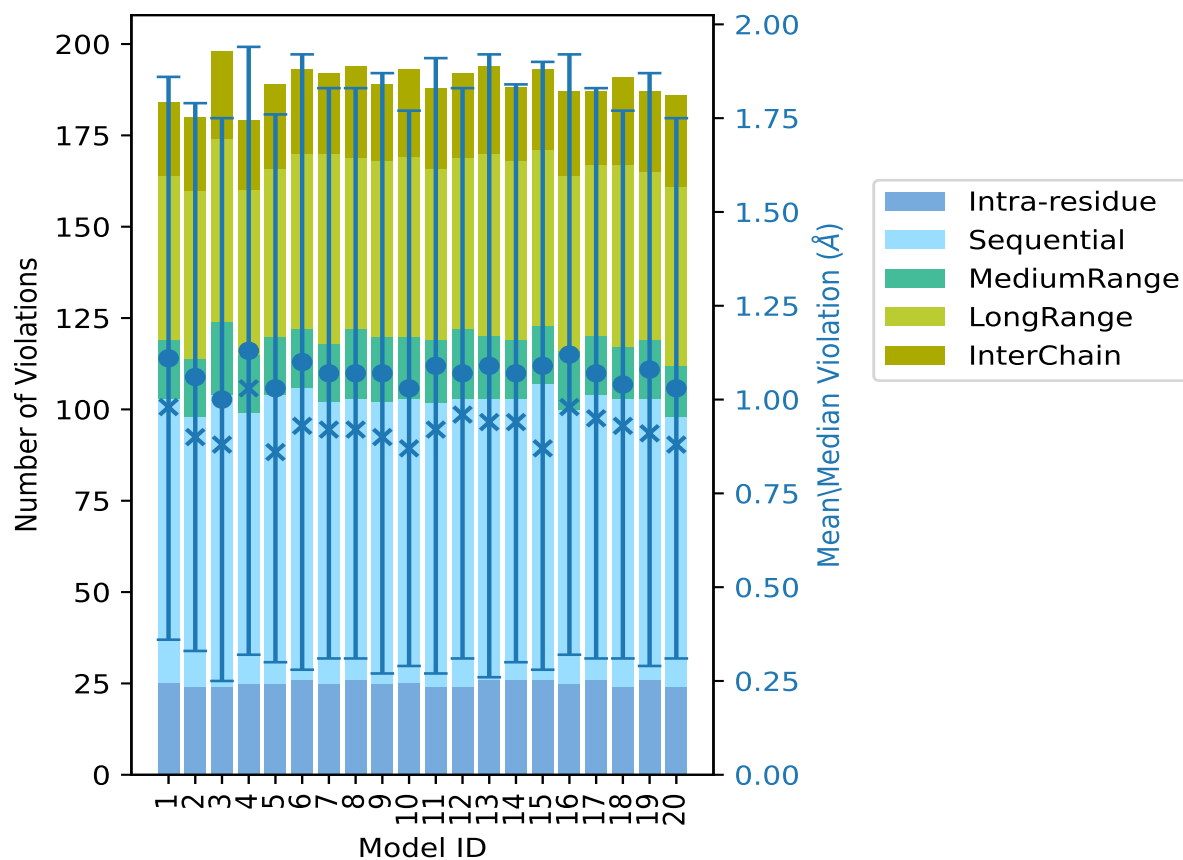
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵					
12	24	79	19	47	23	192	1.07	3.81	0.76	0.96
13	26	77	17	50	24	194	1.09	3.79	0.83	0.94
14	26	77	16	49	20	188	1.07	3.79	0.77	0.94
15	26	81	16	48	22	193	1.09	3.77	0.81	0.87
16	25	75	16	48	23	187	1.12	3.81	0.8	0.98
17	26	78	16	47	20	187	1.07	3.67	0.76	0.95
18	24	79	14	50	24	191	1.04	3.8	0.73	0.93
19	26	77	16	46	22	187	1.08	3.64	0.79	0.91
20	24	74	14	49	25	186	1.03	3.8	0.72	0.88

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints, ⁵Inter-chain restraints, ⁶Standard deviation

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



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

9.3 Distance violation statistics for the ensemble

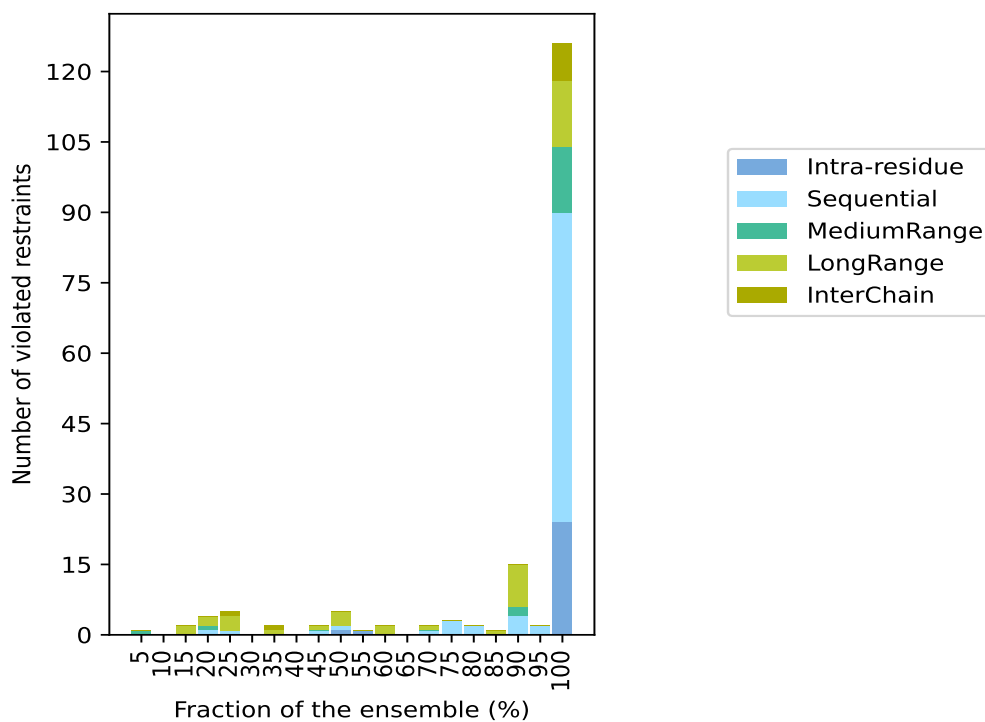
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 28(IR:12, SQ:4, MR:2, LR:10, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	0	1	0	0	1	1	5.0
0	0	0	0	0	0	2	10.0
0	0	0	2	0	2	3	15.0
0	1	1	2	0	4	4	20.0
0	1	0	3	1	5	5	25.0
0	0	0	0	0	0	6	30.0
0	0	0	1	1	2	7	35.0
0	0	0	0	0	0	8	40.0
0	1	0	1	0	2	9	45.0
1	1	0	3	0	5	10	50.0
1	0	0	0	0	1	11	55.0
0	0	0	2	0	2	12	60.0
0	0	0	0	0	0	13	65.0
0	1	0	1	0	2	14	70.0
0	3	0	0	0	3	15	75.0
0	2	0	0	0	2	16	80.0
0	0	0	1	0	1	17	85.0
0	4	2	9	0	15	18	90.0
0	2	0	0	0	2	19	95.0
24	66	14	14	8	126	20	100.0

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

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

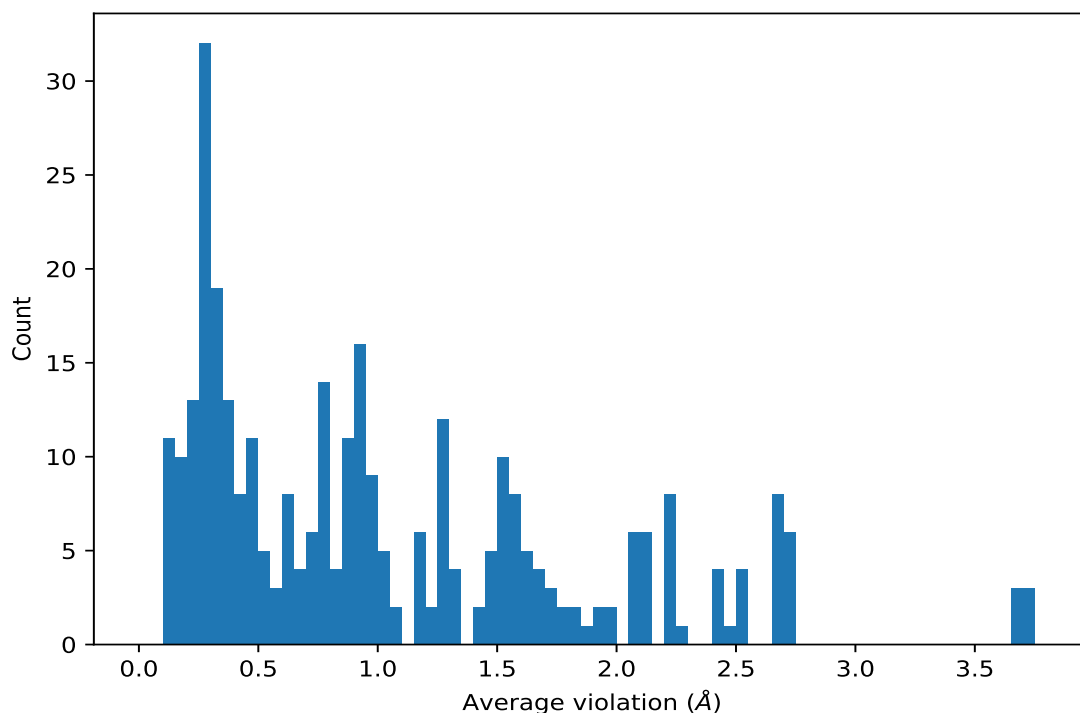
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	20	3.72	0.07	3.71
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	20	3.72	0.07	3.71
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	20	3.72	0.07	3.71
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	20	3.68	0.08	3.7
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	20	3.68	0.08	3.7
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	20	3.68	0.08	3.7
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	20	2.7	0.07	2.7
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	20	2.7	0.07	2.7
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	20	2.7	0.07	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	20	2.7	0.07	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	20	2.7	0.07	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	20	2.7	0.07	2.7
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	20	2.66	0.08	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	20	2.66	0.08	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	20	2.66	0.08	2.66
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	20	2.66	0.71	2.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	20	2.65	0.07	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	20	2.65	0.07	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	20	2.65	0.07	2.64
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	20	2.65	0.7	2.85
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	20	2.51	0.41	2.58
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	20	2.47	0.41	2.52
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	20	2.44	1.05	2.62
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	20	2.26	1.05	1.8
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	20	2.24	0.13	2.22
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	20	2.24	0.13	2.22
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	20	2.24	0.13	2.22
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	20	2.24	0.22	2.3
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	20	2.23	0.2	2.24
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	20	2.2	0.11	2.23
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	20	2.2	0.11	2.23
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	20	2.2	0.11	2.23
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	20	2.11	0.12	2.08
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	20	2.11	0.12	2.08
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	20	2.11	0.12	2.08
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	20	2.11	0.12	2.08
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	20	2.11	0.12	2.08
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	20	2.11	0.12	2.08
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	20	2.09	0.16	2.07
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	20	2.09	0.16	2.07
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	20	2.09	0.16	2.07
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	20	2.09	0.16	2.07
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	20	2.09	0.16	2.07
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	20	2.09	0.16	2.07
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	20	1.96	0.42	2.12
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	20	1.95	0.44	2.11
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	20	1.9	0.07	1.9
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	20	1.88	0.08	1.9
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	20	1.84	0.4	1.72
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	20	1.83	0.4	1.72
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	20	1.79	0.3	1.69
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	20	1.75	0.29	1.58
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	20	1.72	0.19	1.74
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	20	1.72	0.39	1.84
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	20	1.71	0.16	1.73
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	20	1.66	0.35	1.78
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	20	1.66	0.35	1.78
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	20	1.66	0.35	1.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	20	1.66	0.35	1.78
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	20	1.64	0.37	1.78
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	20	1.64	0.37	1.78
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	20	1.64	0.44	1.86
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	20	1.61	0.01	1.61
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	20	1.61	0.01	1.6
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	20	1.59	0.2	1.64
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	20	1.58	0.09	1.56
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	20	1.58	0.67	1.38
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	20	1.58	0.09	1.58
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	20	1.58	0.81	1.76
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	20	1.58	0.69	1.36
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	20	1.57	0.09	1.55
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	20	1.57	0.09	1.55
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	20	1.54	0.28	1.64
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	20	1.53	0.45	1.53
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	20	1.53	0.45	1.52
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	20	1.52	0.01	1.52
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	20	1.52	0.02	1.52
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	20	1.51	0.29	1.48
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	20	1.5	0.13	1.51
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	20	1.5	0.13	1.51
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	20	1.5	0.13	1.51
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	20	1.49	0.15	1.47
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	20	1.49	0.15	1.47
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	20	1.49	0.15	1.47
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	20	1.48	0.25	1.48
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	20	1.46	0.67	1.76
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	20	1.43	0.34	1.4
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	20	1.41	0.35	1.38
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	20	1.34	0.09	1.31
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	20	1.32	0.07	1.31
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	20	1.28	0.06	1.28
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	20	1.28	0.05	1.28
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	20	1.28	0.45	1.41
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	20	1.27	0.38	1.16
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	20	1.27	0.14	1.31
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	20	1.27	0.14	1.31
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	20	1.27	0.13	1.29
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	20	1.27	0.13	1.29
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	20	1.26	0.4	1.18
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	20	1.25	0.12	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	20	1.25	0.12	1.3
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	20	1.25	0.12	1.3
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	20	1.23	0.49	1.32
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	20	1.2	0.24	1.25
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	20	1.19	0.31	1.12
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	20	1.19	0.01	1.19
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	20	1.19	0.02	1.19
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	20	1.18	0.29	1.12
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	20	1.18	0.26	1.2
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	20	1.18	0.26	1.2
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	20	1.04	0.03	1.05
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	20	1.04	0.02	1.05
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	20	1.02	0.12	0.98
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	20	1.02	0.12	0.98
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	20	0.97	0.02	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	20	0.97	0.02	0.98
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	20	0.97	0.55	0.7
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	20	0.96	0.13	0.98
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	20	0.96	0.13	0.98
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	20	0.96	0.13	0.98
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	20	0.95	0.11	0.96
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	20	0.95	0.11	0.96
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	20	0.95	0.11	0.96
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	20	0.93	0.23	0.9
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	20	0.93	0.08	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	20	0.93	0.08	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	20	0.93	0.08	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	20	0.93	0.08	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	20	0.93	0.08	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	20	0.93	0.08	0.91
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	20	0.92	0.2	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	20	0.91	0.08	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	20	0.91	0.08	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	20	0.91	0.08	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	20	0.91	0.08	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	20	0.91	0.08	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	20	0.91	0.08	0.88
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	20	0.88	0.09	0.83
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	20	0.88	0.11	0.91
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	20	0.88	0.11	0.91
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	20	0.88	0.11	0.91
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	20	0.87	0.1	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	20	0.87	0.06	0.86
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	20	0.87	0.1	0.88
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	20	0.87	0.1	0.88
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	20	0.87	0.1	0.88
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	20	0.86	0.06	0.84
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	20	0.85	0.44	0.7
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	20	0.84	0.28	0.8
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	20	0.84	0.28	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	20	0.78	0.03	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	20	0.78	0.03	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	20	0.78	0.03	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	20	0.77	0.02	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	20	0.77	0.02	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	20	0.77	0.02	0.77
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	20	0.74	0.02	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	20	0.73	0.02	0.74
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	20	0.73	0.37	0.68
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	20	0.73	0.11	0.71
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	20	0.71	0.1	0.69
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	20	0.7	0.05	0.68
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	20	0.69	0.04	0.68
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	20	0.62	0.02	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	20	0.62	0.02	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	20	0.62	0.02	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	20	0.62	0.01	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	20	0.62	0.01	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	20	0.62	0.01	0.62
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	20	0.57	0.45	0.43
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	20	0.56	0.34	0.41
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	20	0.56	0.44	0.42
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	20	0.53	0.32	0.4
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	20	0.53	0.06	0.56
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	20	0.51	0.06	0.52
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	20	0.51	0.05	0.52
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	20	0.51	0.04	0.49
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	20	0.49	0.08	0.52
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	20	0.49	0.11	0.52
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	20	0.47	0.05	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	20	0.47	0.06	0.49
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	20	0.46	0.07	0.5
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	20	0.39	0.08	0.42
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	20	0.38	0.12	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	20	0.37	0.11	0.4
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	20	0.36	0.13	0.4
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	20	0.35	0.12	0.38
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	20	0.34	0.14	0.34
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	20	0.31	0.06	0.3
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	20	0.31	0.07	0.3
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	20	0.31	0.05	0.3
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	20	0.31	0.14	0.28
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	20	0.3	0.05	0.29
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	20	0.3	0.12	0.29
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	20	0.28	0.04	0.27
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	20	0.27	0.03	0.26
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	20	0.26	0.11	0.24
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	19	0.47	0.09	0.48
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	19	0.47	0.12	0.53
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	19	0.45	0.08	0.5
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	19	0.44	0.09	0.47
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	19	0.43	0.11	0.49
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	19	0.42	0.48	0.27
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	19	0.41	0.48	0.27
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	19	0.41	0.1	0.4
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	19	0.4	0.11	0.42
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	19	0.35	0.11	0.39
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	19	0.32	0.13	0.27
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	19	0.31	0.11	0.3
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	19	0.29	0.1	0.25
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	19	0.28	0.12	0.26
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	18	2.52	0.35	2.58
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	18	2.52	0.35	2.58
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	18	2.52	0.35	2.58
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	18	2.44	0.41	2.54
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	18	2.44	0.41	2.54
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	18	2.44	0.41	2.54
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	18	1.06	0.14	1.1
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	18	1.05	0.12	1.08
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	18	0.84	0.55	0.75
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	18	0.78	0.28	0.81
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	18	0.75	0.34	0.82
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	18	0.65	0.26	0.74
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	18	0.65	0.26	0.74
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	18	0.65	0.26	0.74
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	18	0.43	0.08	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	18	0.41	0.08	0.45
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	18	0.38	0.09	0.39
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	18	0.36	0.22	0.31
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	18	0.36	0.22	0.31
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	18	0.36	0.22	0.31
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	18	0.36	0.22	0.31
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	18	0.36	0.22	0.31
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	18	0.36	0.22	0.31
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	18	0.34	0.13	0.36
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	18	0.34	0.11	0.31
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	18	0.33	0.12	0.3
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	18	0.33	0.21	0.25
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	18	0.33	0.21	0.25
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	18	0.33	0.21	0.25
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	18	0.33	0.21	0.25
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	18	0.33	0.21	0.25
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	18	0.33	0.21	0.25
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	18	0.31	0.14	0.22
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	18	0.28	0.14	0.28
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	18	0.25	0.05	0.25
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	18	0.25	0.05	0.25
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	18	0.25	0.05	0.25
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	18	0.25	0.05	0.25
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	18	0.25	0.05	0.25
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	18	0.25	0.05	0.25
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	18	0.25	0.05	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	18	0.25	0.05	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	18	0.25	0.05	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	18	0.25	0.05	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	18	0.25	0.05	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	18	0.25	0.05	0.24
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	18	0.22	0.11	0.2
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	17	0.75	0.23	0.74
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	17	0.75	0.23	0.74
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	17	0.75	0.23	0.74
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	16	1.94	0.82	2.24
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	16	1.54	0.9	1.68
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	15	1.34	0.66	1.24
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	15	1.34	0.66	1.24
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	15	0.25	0.07	0.25
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	15	0.25	0.07	0.26
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	14	0.93	0.36	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	14	0.93	0.36	0.94
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	14	0.26	0.14	0.23
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	12	0.25	0.07	0.24
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	12	0.25	0.07	0.24
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	12	0.25	0.07	0.24
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	12	0.25	0.07	0.24
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	12	0.25	0.07	0.24
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	12	0.25	0.07	0.24
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	12	0.2	0.08	0.2
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	12	0.12	0.01	0.12
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	11	0.63	0.0	0.63
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	11	0.25	0.07	0.27
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	10	0.82	0.38	0.92
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	10	0.63	0.0	0.63
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	10	0.24	0.08	0.24
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	10	0.24	0.08	0.24
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	10	0.24	0.08	0.24
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	10	0.24	0.08	0.24
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	10	0.24	0.08	0.24
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	10	0.24	0.08	0.24
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	10	0.2	0.05	0.18
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	10	0.13	0.02	0.13
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	10	0.12	0.01	0.12
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	9	1.01	0.41	1.03
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	9	0.12	0.02	0.12
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	8	0.18	0.04	0.18
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	7	0.22	0.08	0.21
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	7	0.11	0.02	0.1
(4,154)	1:7:A:ARG:H	1:104:B:VAL:HA	5	0.28	0.09	0.32
(4,90)	1:113:B:VAL:HG21	1:114:B:CYS:H	5	0.15	0.03	0.16
(4,90)	1:113:B:VAL:HG22	1:114:B:CYS:H	5	0.15	0.03	0.16
(4,90)	1:113:B:VAL:HG23	1:114:B:CYS:H	5	0.15	0.03	0.16
(3,8)	1:109:B:CYS:CB	1:114:B:CYS:SG	5	0.11	0.02	0.1
(3,7)	1:109:B:CYS:SG	1:114:B:CYS:CB	5	0.11	0.01	0.1
(3,3)	1:9:A:CYS:SG	1:14:A:CYS:CB	5	0.1	0.0	0.1
(4,14)	1:4:A:VAL:HG21	1:19:A:TRP:HE3	4	0.48	0.4	0.31
(4,14)	1:4:A:VAL:HG22	1:19:A:TRP:HE3	4	0.48	0.4	0.31
(4,14)	1:4:A:VAL:HG23	1:19:A:TRP:HE3	4	0.48	0.4	0.31
(4,15)	1:104:B:VAL:HG21	1:119:B:TRP:HE3	4	0.24	0.11	0.18
(4,15)	1:104:B:VAL:HG22	1:119:B:TRP:HE3	4	0.24	0.11	0.18
(4,15)	1:104:B:VAL:HG23	1:119:B:TRP:HE3	4	0.24	0.11	0.18
(4,44)	1:115:B:TYR:HE1	1:117:B:ARG:HB2	4	0.17	0.07	0.15

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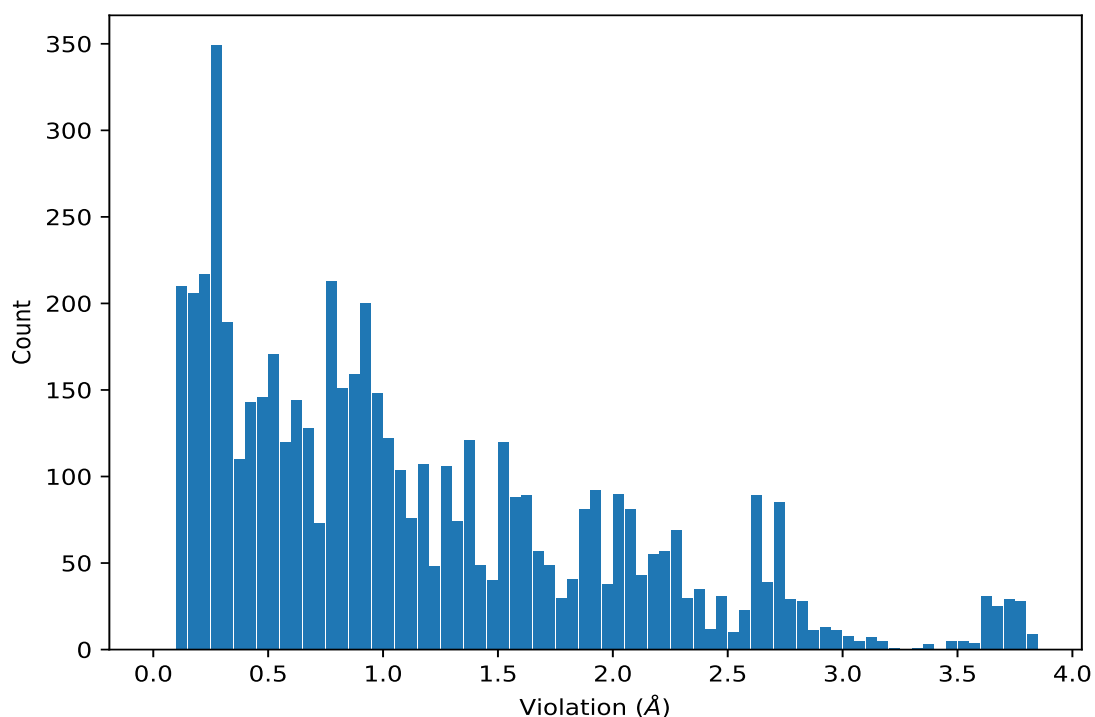
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,44)	1:115:B:TYR:HE2	1:117:B:ARG:HB2	4	0.17	0.07	0.15
(4,89)	1:13:A:VAL:HG21	1:14:A:CYS:H	4	0.15	0.04	0.15
(4,89)	1:13:A:VAL:HG22	1:14:A:CYS:H	4	0.15	0.04	0.15
(4,89)	1:13:A:VAL:HG23	1:14:A:CYS:H	4	0.15	0.04	0.15
(1,7)	1:10:A:ARG:H	1:13:A:VAL:O	4	0.15	0.03	0.15
(4,139)	1:4:A:VAL:HG21	1:19:A:TRP:HB3	3	0.79	0.04	0.81
(4,139)	1:4:A:VAL:HG22	1:19:A:TRP:HB3	3	0.79	0.04	0.81
(4,139)	1:4:A:VAL:HG23	1:19:A:TRP:HB3	3	0.79	0.04	0.81
(4,140)	1:104:B:VAL:HG21	1:119:B:TRP:HB3	3	0.26	0.02	0.24
(4,140)	1:104:B:VAL:HG22	1:119:B:TRP:HB3	3	0.26	0.02	0.24
(4,140)	1:104:B:VAL:HG23	1:119:B:TRP:HB3	3	0.26	0.02	0.24
(1,8)	1:10:A:ARG:N	1:13:A:VAL:O	3	0.13	0.01	0.12
(1,19)	1:110:B:ARG:H	1:113:B:VAL:O	3	0.12	0.01	0.11
(2,4)	1:109:B:CYS:SG	1:114:B:CYS:SG	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	9	3.82
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	9	3.82
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	9	3.82
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	12	3.81
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	12	3.81
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	12	3.81
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	16	3.81
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	16	3.81
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	16	3.81
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	20	3.8
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	20	3.8
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	20	3.8
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	18	3.8
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	18	3.8
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	18	3.8
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	14	3.79
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	14	3.79
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	14	3.79
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	13	3.79
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	6	3.78
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	6	3.78
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	6	3.78
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	16	3.78
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	16	3.78
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	16	3.78
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	15	3.77
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	15	3.77
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	15	3.77
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	8	3.76
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	8	3.76
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	8	3.76
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	5	3.76
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	5	3.76
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	5	3.76
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	7	3.75
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	7	3.75
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	7	3.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	6	3.74
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	6	3.74
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	6	3.74
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	4	3.74
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	4	3.74
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	4	3.74
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	9	3.74
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	9	3.74
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	9	3.74
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	11	3.74
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	11	3.74
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	11	3.74
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	20	3.72
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	20	3.72
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	20	3.72
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	5	3.71
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	5	3.71
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	5	3.71
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	18	3.71
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	18	3.71
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	18	3.71
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	15	3.71
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	10	3.7
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	10	3.7
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	10	3.7
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	14	3.7
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	14	3.7
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	14	3.7
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	6	3.7
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	2	3.69
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	2	3.69
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	2	3.69
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	10	3.69
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	10	3.69
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	10	3.69
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	13	3.69
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	13	3.69
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	13	3.69
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	7	3.69
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	7	3.69
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	7	3.69
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	17	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	17	3.67
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	17	3.67
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	1	3.67
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	1	3.67
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	1	3.67
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	6	3.67
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	11	3.66
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	11	3.66
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	11	3.66
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	8	3.66
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	8	3.66
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	8	3.66
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	1	3.64
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	1	3.64
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	1	3.64
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	19	3.64
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	19	3.64
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	19	3.64
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	15	3.64
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	15	3.64
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	15	3.64
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	19	3.64
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	19	3.64
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	19	3.64
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	3	3.63
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	3	3.63
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	3	3.63
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	13	3.63
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	13	3.63
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	13	3.63
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	17	3.63
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	17	3.63
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	17	3.63
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	16	3.63
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	12	3.62
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	12	3.62
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	12	3.62
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	8	3.62
(4,145)	1:108:B:VAL:HG11	1:109:B:CYS:H	4	3.61
(4,145)	1:108:B:VAL:HG12	1:109:B:CYS:H	4	3.61
(4,145)	1:108:B:VAL:HG13	1:109:B:CYS:H	4	3.61
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	8	3.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	11	3.61
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	3	3.58
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	3	3.58
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	3	3.58
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	19	3.56
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	9	3.55
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	16	3.54
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	19	3.53
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	4	3.52
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	4	3.51
(4,144)	1:8:A:VAL:HG11	1:9:A:CYS:H	2	3.47
(4,144)	1:8:A:VAL:HG12	1:9:A:CYS:H	2	3.47
(4,144)	1:8:A:VAL:HG13	1:9:A:CYS:H	2	3.47
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	7	3.46
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	7	3.46
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	14	3.39
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	1	3.37
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	16	3.35
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	13	3.32
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	3	3.2
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	9	3.19
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	11	3.18
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	15	3.18
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	17	3.18
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	2	3.16
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	13	3.15
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	9	3.14
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	3	3.14
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	13	3.13
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	13	3.13
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	16	3.12
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	11	3.12
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	15	3.09
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	17	3.09
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	14	3.09
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	4	3.08
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	13	3.07
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	1	3.05
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	6	3.04
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	6	3.04
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	6	3.04
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	14	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	19	3.03
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	18	3.02
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	2	3.0
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	4	2.97
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	15	2.97
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	15	2.97
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	15	2.97
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	4	2.97
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	4	2.97
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	4	2.97
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	3	2.96
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	4	2.96
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	6	2.96
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	3	2.95
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	14	2.94
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	19	2.94
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	15	2.93
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	15	2.92
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	10	2.92
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	6	2.92
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	6	2.92
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	6	2.92
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	11	2.92
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	14	2.91
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	9	2.91
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	9	2.91
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	9	2.91
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	15	2.9
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	16	2.89
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	4	2.89
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	5	2.88
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	4	2.88
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	4	2.88
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	4	2.88
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	12	2.86
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	10	2.85
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	6	2.85
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	10	2.85
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	10	2.84
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	10	2.84
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	10	2.84
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	13	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	13	2.84
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	13	2.84
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	7	2.83
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	7	2.83
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	7	2.83
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	5	2.83
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	13	2.83
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	13	2.83
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	13	2.83
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	1	2.83
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	11	2.82
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	9	2.82
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	6	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	6	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	6	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	12	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	12	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	12	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	14	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	14	2.81
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	14	2.81
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	16	2.81
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	16	2.81
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	16	2.81
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	11	2.8
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	12	2.8
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	16	2.8
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	7	2.79
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	7	2.79
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	7	2.79
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	2	2.79
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	2	2.79
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	2	2.79
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	2	2.79
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	2	2.79
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	2	2.79
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	17	2.78
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	17	2.78
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	17	2.78
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	10	2.78
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	18	2.76
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	18	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	18	2.76
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	20	2.76
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	20	2.76
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	20	2.76
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	18	2.76
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	18	2.76
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	18	2.76
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	7	2.76
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	2	2.75
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	2	2.75
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	12	2.75
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	11	2.74
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	11	2.74
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	11	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	2	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	2	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	2	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	3	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	3	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	3	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	5	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	5	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	5	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	10	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	10	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	10	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	11	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	11	2.74
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	11	2.74
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	9	2.74
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	9	2.74
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	9	2.74
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	3	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	3	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	3	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	8	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	8	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	8	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	11	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	11	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	11	2.73
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	8	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	8	2.73
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	8	2.73
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	20	2.73
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	20	2.73
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	20	2.73
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	12	2.73
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	12	2.73
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	12	2.73
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	16	2.73
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	16	2.73
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	16	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	2	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	2	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	2	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	7	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	7	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	7	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	11	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	11	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	11	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	12	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	12	2.73
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	12	2.73
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	15	2.73
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	15	2.73
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	15	2.73
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	10	2.72
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	10	2.72
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	10	2.72
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	16	2.72
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	16	2.72
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	16	2.72
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	11	2.72
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	11	2.72
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	11	2.72
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	9	2.71
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	9	2.71
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	9	2.71
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	6	2.71
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	6	2.71
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	6	2.71
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	18	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	18	2.7
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	18	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	3	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	3	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	3	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	5	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	5	2.7
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	5	2.7
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	4	2.7
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	4	2.7
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	4	2.7
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	1	2.7
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	17	2.69
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	17	2.69
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	17	2.69
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	9	2.69
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	9	2.69
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	9	2.69
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	9	2.69
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	14	2.69
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	14	2.69
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	14	2.69
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	17	2.69
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	17	2.69
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	17	2.69
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	20	2.68
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	20	2.68
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	20	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	12	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	12	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	12	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	15	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	15	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	15	2.68
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	7	2.68
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	4	2.67
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	4	2.67
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	4	2.67
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	6	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	6	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	6	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	8	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	8	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	8	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	15	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	15	2.66
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	15	2.66
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	15	2.66
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	15	2.66
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	15	2.66
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	6	2.66
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	13	2.65
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	13	2.65
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	13	2.65
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	14	2.65
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	14	2.65
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	14	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	7	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	7	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	7	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	13	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	13	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	13	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	14	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	14	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	14	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	17	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	17	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	17	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	19	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	19	2.65
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	19	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	5	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	5	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	5	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	6	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	6	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	6	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	13	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	13	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	13	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	16	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	16	2.65
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	16	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	19	2.64
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	19	2.64
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	19	2.64
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	9	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	8	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	8	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	8	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	10	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	10	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	10	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	14	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	14	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	14	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	17	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	17	2.64
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	17	2.64
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	16	2.64
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	6	2.64
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	1	2.63
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	1	2.63
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	1	2.63
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	4	2.63
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	4	2.63
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	4	2.63
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	17	2.63
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	3	2.63
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	3	2.63
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	3	2.63
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	19	2.63
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	19	2.63
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	19	2.63
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	5	2.62
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	5	2.62
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	5	2.62
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	19	2.62
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	19	2.62
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	19	2.62
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	2	2.62
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	2	2.62
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	2	2.62
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	1	2.62
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	1	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	1	2.62
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	4	2.62
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	4	2.62
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	4	2.62
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	1	2.61
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	2	2.61
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	2	2.61
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	2	2.61
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG21	15	2.61
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG22	15	2.61
(4,122)	1:104:B:VAL:H	1:104:B:VAL:HG23	15	2.61
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	1	2.6
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	1	2.6
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	1	2.6
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	13	2.59
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	13	2.59
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	13	2.59
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	17	2.59
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	7	2.59
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	7	2.59
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	7	2.59
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	1	2.58
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	1	2.58
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	1	2.58
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	20	2.58
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	20	2.58
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	20	2.58
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	9	2.58
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	9	2.58
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	9	2.58
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	11	2.58
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	11	2.58
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	11	2.58
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG21	9	2.57
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG22	9	2.57
(4,121)	1:4:A:VAL:H	1:4:A:VAL:HG23	9	2.57
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	20	2.56
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	5	2.55
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	5	2.54
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	19	2.54
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	18	2.54
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	19	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	7	2.52
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	8	2.51
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	8	2.51
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	8	2.51
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	13	2.5
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	5	2.49
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	20	2.49
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	18	2.49
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	18	2.49
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	18	2.49
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	7	2.48
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	19	2.48
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	19	2.48
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	20	2.48
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	20	2.48
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	20	2.48
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	17	2.48
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	20	2.48
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	8	2.46
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	8	2.46
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	12	2.46
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	12	2.46
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	12	2.46
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	12	2.46
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	12	2.46
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	20	2.46
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	13	2.46
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	13	2.46
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	13	2.46
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	13	2.46
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	13	2.46
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	13	2.46
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG21	18	2.45
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG22	18	2.45
(4,77)	1:13:A:VAL:H	1:13:A:VAL:HG23	18	2.45
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	20	2.45
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	1	2.43
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	1	2.43
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	1	2.43
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	12	2.42
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	12	2.42
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	12	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG21	18	2.41
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG22	18	2.41
(4,78)	1:113:B:VAL:H	1:113:B:VAL:HG23	18	2.41
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	1	2.41
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	1	2.41
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	1	2.41
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	1	2.4
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	15	2.4
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	15	2.4
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	15	2.4
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	11	2.39
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	17	2.39
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	8	2.38
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	8	2.38
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	8	2.38
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	3	2.38
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	3	2.38
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	3	2.38
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	11	2.37
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	11	2.37
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	6	2.37
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	6	2.37
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	17	2.36
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	13	2.36
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	8	2.36
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	9	2.36
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	9	2.36
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	9	2.36
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	13	2.36
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	13	2.36
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	13	2.36
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	6	2.35
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	19	2.35
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	8	2.35
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	17	2.35
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	13	2.35
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	13	2.35
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	13	2.35
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	13	2.35
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	13	2.35
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	13	2.35
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	4	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	3	2.34
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	3	2.34
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	3	2.34
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	12	2.34
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	12	2.34
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	15	2.33
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	12	2.33
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	16	2.33
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	7	2.33
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	16	2.33
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	16	2.33
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	16	2.33
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	16	2.33
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	16	2.33
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	16	2.33
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	15	2.33
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	15	2.33
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	6	2.32
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	11	2.32
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	11	2.32
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	11	2.32
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	18	2.31
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	3	2.31
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	3	2.31
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	3	2.31
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	15	2.31
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	15	2.31
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	15	2.31
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	17	2.31
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	15	2.3
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	18	2.3
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	7	2.3
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	7	2.3
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	7	2.3
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	13	2.3
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	13	2.3
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	13	2.3
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	19	2.3
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	19	2.3
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	19	2.3
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	19	2.3
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	19	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	19	2.3
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	9	2.3
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	19	2.29
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	17	2.29
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	17	2.29
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	17	2.29
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	17	2.29
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	13	2.28
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	3	2.28
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	5	2.28
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	5	2.28
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	5	2.28
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	5	2.28
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	5	2.28
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	5	2.28
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	11	2.27
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	11	2.27
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	2	2.27
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	2	2.27
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	2	2.27
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	9	2.27
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	9	2.27
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	9	2.27
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	14	2.27
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	14	2.27
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	14	2.27
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	11	2.27
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	2	2.26
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	2	2.26
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	2	2.26
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	10	2.26
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	10	2.26
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	10	2.26
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	8	2.26
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	8	2.26
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	8	2.26
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	8	2.26
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	8	2.26
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	8	2.26
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	8	2.26
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	9	2.25
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	20	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	20	2.25
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	20	2.25
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	8	2.25
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	8	2.25
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	8	2.25
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	8	2.25
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	8	2.25
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	8	2.25
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	17	2.25
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	17	2.25
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	17	2.25
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	17	2.25
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	17	2.25
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	17	2.25
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	11	2.24
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	16	2.24
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	6	2.24
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	6	2.24
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	5	2.24
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	5	2.24
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	5	2.24
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	12	2.24
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	12	2.24
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	12	2.24
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	11	2.24
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	9	2.24
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	10	2.24
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	10	2.24
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	10	2.24
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	10	2.24
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	10	2.24
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	10	2.24
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	19	2.23
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	19	2.23
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	19	2.23
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	17	2.23
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	14	2.23
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	14	2.23
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	14	2.23
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	14	2.23
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	14	2.23
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	14	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	13	2.23
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	4	2.22
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	10	2.22
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	10	2.22
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	10	2.22
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	18	2.22
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	18	2.22
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	18	2.22
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	20	2.22
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	20	2.22
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	20	2.22
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	19	2.22
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	19	2.22
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	19	2.22
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	11	2.22
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	20	2.22
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	8	2.22
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	13	2.22
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	8	2.21
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	14	2.21
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	20	2.21
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	6	2.21
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	13	2.21
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	16	2.21
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	10	2.2
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	10	2.2
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	10	2.2
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	16	2.2
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	6	2.2
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	12	2.19
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	5	2.19
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	5	2.19
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	5	2.19
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	4	2.19
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	8	2.19
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	14	2.19
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	14	2.19
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	14	2.19
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	14	2.19
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	14	2.19
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	14	2.19
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	12	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	8	2.18
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	18	2.18
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	16	2.18
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	4	2.18
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	1	2.18
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	1	2.18
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	1	2.18
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	1	2.18
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	1	2.18
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	1	2.18
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	10	2.17
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	16	2.17
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	16	2.17
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	16	2.17
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	5	2.17
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	5	2.17
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	5	2.17
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	5	2.17
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	5	2.17
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	5	2.17
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	2	2.16
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	7	2.16
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	7	2.16
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	7	2.16
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	7	2.16
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	7	2.16
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	7	2.16
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	10	2.15
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	17	2.15
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	1	2.15
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	1	2.15
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	1	2.15
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	11	2.15
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	11	2.15
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	11	2.15
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	2	2.15
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	4	2.15
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	4	2.15
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	4	2.15
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	4	2.15
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	4	2.15
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	4	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	20	2.14
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	20	2.14
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	20	2.14
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	12	2.14
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	15	2.14
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	6	2.13
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	6	2.13
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	6	2.13
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	10	2.13
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	20	2.13
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	1	2.13
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	2	2.13
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	2	2.13
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	3	2.13
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	17	2.13
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	16	2.13
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	16	2.13
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	16	2.13
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	16	2.13
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	16	2.13
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	16	2.13
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	9	2.13
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	18	2.12
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	6	2.12
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	7	2.12
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	9	2.12
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	1	2.12
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	12	2.11
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	16	2.11
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	5	2.1
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	19	2.1
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	18	2.1
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	18	2.1
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	18	2.1
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	4	2.1
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	4	2.1
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	4	2.1
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	14	2.1
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	14	2.1
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	15	2.1
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	4	2.1
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	4	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	16	2.1
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	15	2.09
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	7	2.09
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	7	2.09
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	7	2.09
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	16	2.09
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	16	2.09
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	16	2.09
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	9	2.09
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	4	2.09
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	4	2.09
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	4	2.09
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	4	2.09
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	4	2.09
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	4	2.09
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	3	2.09
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	3	2.09
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	3	2.09
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	3	2.09
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	3	2.09
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	3	2.09
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	12	2.08
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	4	2.08
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	4	2.08
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	4	2.08
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	10	2.08
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	10	2.08
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	10	2.08
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	12	2.08
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	12	2.08
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	12	2.08
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	12	2.08
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	12	2.08
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	12	2.08
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	19	2.08
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	19	2.08
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	19	2.08
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	19	2.08
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	19	2.08
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	19	2.08
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	6	2.07
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	6	2.07
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	6	2.07
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	6	2.07
(4,76)	1:113:B:VAL:HG11	1:114:B:CYS:H	14	2.07
(4,76)	1:113:B:VAL:HG12	1:114:B:CYS:H	14	2.07
(4,76)	1:113:B:VAL:HG13	1:114:B:CYS:H	14	2.07
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	13	2.07
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	7	2.07
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	9	2.07
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	9	2.07
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	9	2.07
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	9	2.07
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	9	2.07
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	9	2.07
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	15	2.06
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	3	2.06
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	9	2.06
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	19	2.06
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	16	2.06
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	14	2.06
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	14	2.06
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	14	2.06
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	6	2.06
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	6	2.06
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	6	2.06
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	6	2.06
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	6	2.06
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	6	2.06
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	10	2.06
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	10	2.06
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	10	2.06
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	10	2.06
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	10	2.06
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	10	2.06
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	17	2.06
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	17	2.06
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	17	2.06
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	17	2.06
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	17	2.06
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	17	2.06
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	16	2.05
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	17	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	17	2.05
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	17	2.05
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	20	2.05
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	9	2.05
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	3	2.05
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	3	2.05
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	3	2.05
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	3	2.05
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	3	2.05
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	3	2.05
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	10	2.04
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	1	2.04
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	18	2.04
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	20	2.04
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	7	2.04
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	7	2.04
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	7	2.04
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	7	2.04
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	7	2.04
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	7	2.04
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	17	2.04
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	1	2.03
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	1	2.03
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	1	2.03
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	1	2.03
(4,75)	1:13:A:VAL:HG11	1:14:A:CYS:H	19	2.03
(4,75)	1:13:A:VAL:HG12	1:14:A:CYS:H	19	2.03
(4,75)	1:13:A:VAL:HG13	1:14:A:CYS:H	19	2.03
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	3	2.03
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	3	2.03
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	3	2.03
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	5	2.03
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	5	2.03
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	5	2.03
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	1	2.03
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	1	2.03
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	1	2.03
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	1	2.03
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	1	2.03
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	1	2.03
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	6	2.03
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	6	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	6	2.03
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	6	2.03
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	6	2.03
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	6	2.03
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	3	2.03
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	7	2.02
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	7	2.02
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	3	2.02
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	8	2.02
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	15	2.02
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	8	2.01
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	3	2.01
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	10	2.01
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	15	2.01
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	12	2.01
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	12	2.01
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	12	2.01
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	12	2.01
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	12	2.01
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	12	2.01
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	15	2.01
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	15	2.01
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	15	2.01
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	15	2.01
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	15	2.01
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	15	2.01
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	9	2.01
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	9	2.01
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	9	2.01
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	9	2.01
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	9	2.01
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	9	2.01
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	18	2.01
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	14	2.01
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	1	2.01
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	12	2.0
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	12	2.0
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	9	2.0
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	3	2.0
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	19	2.0
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	2	2.0
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	2	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	2	2.0
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	2	2.0
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	2	2.0
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	2	2.0
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	5	1.99
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	5	1.99
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	12	1.99
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	12	1.99
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	5	1.99
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	5	1.99
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	12	1.99
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	12	1.99
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	12	1.99
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	12	1.99
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	11	1.99
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	11	1.99
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	11	1.99
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	11	1.99
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	11	1.99
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	11	1.99
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	12	1.98
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	13	1.98
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	13	1.98
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	2	1.98
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	2	1.98
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	2	1.98
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	2	1.98
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	2	1.98
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	2	1.98
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	19	1.97
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	19	1.97
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	5	1.97
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	5	1.97
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	19	1.97
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	19	1.97
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	6	1.97
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	19	1.97
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	19	1.97
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	4	1.97
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	1	1.97
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	9	1.97
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	4	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	4	1.95
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	4	1.95
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	16	1.95
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	16	1.95
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	14	1.95
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	18	1.95
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	16	1.95
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	20	1.95
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	18	1.95
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	6	1.95
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	20	1.95
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	1	1.95
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	20	1.95
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	4	1.94
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	4	1.94
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	16	1.94
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	16	1.94
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	20	1.94
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	4	1.94
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	4	1.94
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	16	1.94
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	16	1.94
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	7	1.94
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	7	1.94
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	14	1.94
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	8	1.94
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	11	1.94
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	17	1.93
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	2	1.93
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	5	1.93
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	17	1.93
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	8	1.93
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	6	1.93
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	3	1.93
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	8	1.93
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	7	1.92
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	7	1.92
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	13	1.92
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	13	1.92
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	13	1.92
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	13	1.92
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	11	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	2	1.92
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	7	1.92
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	7	1.92
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	13	1.92
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	13	1.92
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	18	1.92
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	17	1.92
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	17	1.92
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	17	1.92
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	1	1.92
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	6	1.92
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	7	1.92
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	5	1.92
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	19	1.92
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	11	1.92
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	14	1.92
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	16	1.92
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	3	1.92
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	8	1.92
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	18	1.92
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	20	1.92
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	20	1.92
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	20	1.92
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	20	1.92
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	20	1.92
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	20	1.92
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	15	1.92
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	15	1.92
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	15	1.92
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	15	1.92
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	15	1.92
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	15	1.92
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	10	1.91
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	10	1.91
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	15	1.91
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	10	1.91
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	10	1.91
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	18	1.91
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	18	1.91
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	12	1.91
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	19	1.91
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	6	1.91
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	13	1.91
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	14	1.91
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	16	1.91
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	17	1.91
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	6	1.91
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	12	1.91
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	5	1.91
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	11	1.9
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	20	1.9
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	3	1.9
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	15	1.9
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	19	1.9
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	5	1.9
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	5	1.9
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	9	1.9
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	14	1.9
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	16	1.9
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	10	1.9
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	12	1.9
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	7	1.9
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	1	1.9
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	18	1.9
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	10	1.89
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	10	1.89
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	11	1.89
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	1	1.89
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	7	1.89
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	13	1.89
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	16	1.89
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	11	1.89
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE1	18	1.89
(4,24)	1:113:B:VAL:HG11	1:115:B:TYR:HE2	18	1.89
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE1	18	1.89
(4,24)	1:113:B:VAL:HG12	1:115:B:TYR:HE2	18	1.89
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE1	18	1.89
(4,24)	1:113:B:VAL:HG13	1:115:B:TYR:HE2	18	1.89
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	15	1.88
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	15	1.88
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	12	1.88
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	8	1.88
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	3	1.88
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	3	1.88
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	4	1.88
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	10	1.88
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	8	1.88
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	8	1.88
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	11	1.88
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	11	1.88
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	11	1.88
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	11	1.88
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	11	1.88
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	11	1.88
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	20	1.88
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	20	1.88
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	20	1.88
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	20	1.88
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	20	1.88
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	20	1.88
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	15	1.88
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	9	1.87
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	7	1.87
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	8	1.87
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	5	1.87
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	5	1.87
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	5	1.87
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	11	1.87
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	15	1.87
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	11	1.87
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	14	1.86
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	14	1.86
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	15	1.86
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	14	1.86
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	14	1.86
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	9	1.86
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	14	1.85
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	14	1.85
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	6	1.85
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	8	1.85
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	13	1.85
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	5	1.85
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	12	1.85
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE1	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,23)	1:13:A:VAL:HG11	1:15:A:TYR:HE2	18	1.85
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE1	18	1.85
(4,23)	1:13:A:VAL:HG12	1:15:A:TYR:HE2	18	1.85
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE1	18	1.85
(4,23)	1:13:A:VAL:HG13	1:15:A:TYR:HE2	18	1.85
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	1	1.84
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	1	1.84
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	1	1.84
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	1	1.84
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	1	1.84
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	20	1.84
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	1	1.84
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	1	1.84
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	6	1.84
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	10	1.84
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	19	1.84
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	16	1.84
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	10	1.84
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	9	1.83
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	18	1.83
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	20	1.83
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	3	1.83
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	4	1.83
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	8	1.82
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	10	1.82
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	7	1.82
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	2	1.81
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	2	1.81
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	9	1.81
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	12	1.81
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	17	1.81
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	16	1.81
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	1	1.81
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	1	1.81
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	7	1.81
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	5	1.81
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	15	1.81
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	2	1.8
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	1	1.8
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	4	1.8
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	5	1.8
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	7	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	8	1.8
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	8	1.8
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	8	1.8
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	11	1.8
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	2	1.79
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	3	1.79
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	10	1.79
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	16	1.79
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	3	1.79
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	7	1.79
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	10	1.78
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	8	1.78
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	15	1.78
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	3	1.77
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	5	1.77
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	7	1.77
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	7	1.77
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	7	1.77
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	15	1.77
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	19	1.77
(4,149)	1:9:A:CYS:H	1:103:B:ARG:H	18	1.76
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	13	1.76
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	13	1.76
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	14	1.76
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	5	1.76
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	16	1.76
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	9	1.76
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	9	1.76
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	9	1.76
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	13	1.75
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	14	1.75
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	8	1.75
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	8	1.75
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	8	1.75
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	5	1.74
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	11	1.74
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	20	1.74
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	15	1.74
(4,62)	1:106:B:ILE:HG21	1:117:B:ARG:H	19	1.74
(4,62)	1:106:B:ILE:HG22	1:117:B:ARG:H	19	1.74
(4,62)	1:106:B:ILE:HG23	1:117:B:ARG:H	19	1.74
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	19	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	13	1.73
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	16	1.73
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	11	1.73
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	16	1.73
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	20	1.73
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	10	1.73
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	13	1.73
(4,100)	1:103:B:ARG:HB3	1:104:B:VAL:H	16	1.73
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	15	1.73
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	4	1.73
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	19	1.73
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	9	1.72
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	13	1.72
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	19	1.72
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	4	1.72
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	14	1.72
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	10	1.72
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	5	1.72
(4,60)	1:108:B:VAL:HB	1:109:B:CYS:H	2	1.72
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	15	1.71
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	15	1.71
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	18	1.71
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	18	1.71
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	1	1.71
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	15	1.71
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	15	1.71
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	17	1.71
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	15	1.71
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	15	1.71
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	18	1.71
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	18	1.71
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	7	1.71
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	19	1.71
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	18	1.71
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	2	1.71
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	2	1.71
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	4	1.71
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	5	1.71
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	2	1.71
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	13	1.71
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	7	1.71
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	18	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	18	1.7
(4,148)	1:3:A:ARG:H	1:109:B:CYS:H	18	1.7
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	10	1.7
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	2	1.7
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	2	1.7
(4,59)	1:8:A:VAL:HB	1:9:A:CYS:H	18	1.7
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	14	1.69
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	17	1.69
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	4	1.69
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	4	1.69
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	11	1.69
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	2	1.69
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	4	1.69
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	15	1.69
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	15	1.69
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	15	1.69
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	5	1.68
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	5	1.68
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	7	1.68
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	14	1.68
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	14	1.68
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	2	1.68
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	5	1.68
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	6	1.68
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	16	1.68
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	13	1.68
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	17	1.68
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	19	1.68
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	11	1.68
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	18	1.68
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	19	1.68
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	3	1.67
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	20	1.67
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	11	1.67
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	10	1.67
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	1	1.67
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	13	1.67
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	15	1.67
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	6	1.67
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	10	1.67
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	11	1.67
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	15	1.67
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	15	1.67
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	15	1.67
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	3	1.66
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	14	1.66
(4,99)	1:3:A:ARG:HB3	1:4:A:VAL:H	16	1.66
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	1	1.66
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	3	1.66
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	12	1.66
(4,61)	1:6:A:ILE:HG21	1:17:A:ARG:H	12	1.66
(4,61)	1:6:A:ILE:HG22	1:17:A:ARG:H	12	1.66
(4,61)	1:6:A:ILE:HG23	1:17:A:ARG:H	12	1.66
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	13	1.66
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	19	1.66
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	11	1.65
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	17	1.65
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	3	1.65
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	5	1.65
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	18	1.65
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	4	1.64
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	8	1.64
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	8	1.64
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	14	1.64
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	1	1.64
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	9	1.64
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	2	1.64
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	2	1.64
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	4	1.64
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	6	1.64
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	6	1.64
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	6	1.64
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	4	1.63
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	10	1.63
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	10	1.63
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	5	1.63
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	9	1.63
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	18	1.63
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	18	1.63
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	4	1.63
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	4	1.63
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	14	1.63
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	6	1.63
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	6	1.63
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	6	1.63
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	11	1.62
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	11	1.62
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	14	1.62
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	17	1.62
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	18	1.62
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	10	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	2	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	3	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	4	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	10	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	11	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	12	1.62
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	16	1.62
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	1	1.62
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	2	1.62
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	3	1.62
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	7	1.62
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	11	1.62
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	12	1.62
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	12	1.62
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	14	1.61
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	19	1.61
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	19	1.61
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	6	1.61
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	7	1.61
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	9	1.61
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	18	1.61
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	20	1.61
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	13	1.61
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	18	1.61
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	10	1.61
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	14	1.61
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	17	1.61
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	11	1.6
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	11	1.6
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	6	1.6
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	6	1.6
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	11	1.6
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	11	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	7	1.6
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	8	1.6
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	13	1.6
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	14	1.6
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	15	1.6
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	19	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	5	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	6	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	10	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	14	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	15	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	16	1.6
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	20	1.6
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	9	1.6
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	15	1.6
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	15	1.6
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	17	1.6
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	17	1.6
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	17	1.6
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	10	1.59
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	6	1.59
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	6	1.59
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	6	1.59
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	6	1.59
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	13	1.59
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	8	1.59
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	1	1.59
(4,118)	1:112:B:GLY:H	1:113:B:VAL:H	17	1.59
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	4	1.59
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	8	1.59
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	17	1.59
(4,117)	1:12:A:GLY:H	1:13:A:VAL:H	19	1.59
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	8	1.59
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	11	1.59
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	16	1.59
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	17	1.59
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	6	1.59
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	11	1.59
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	10	1.59
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	19	1.59
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	19	1.59
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	19	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	18	1.58
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	5	1.58
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	7	1.58
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	13	1.58
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	8	1.58
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	19	1.58
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	5	1.58
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	5	1.58
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	5	1.58
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	5	1.57
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	6	1.57
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	16	1.57
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	15	1.57
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	16	1.57
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	11	1.57
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	16	1.57
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	11	1.57
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	20	1.57
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	9	1.57
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	14	1.57
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	5	1.57
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	1	1.56
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	5	1.56
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	1	1.56
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	1	1.56
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	10	1.56
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	11	1.56
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	15	1.56
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	3	1.56
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	7	1.56
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	12	1.56
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	20	1.56
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	3	1.56
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	7	1.56
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	12	1.56
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	16	1.56
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	1	1.56
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	1	1.56
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	19	1.56
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	20	1.56
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	4	1.56
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	13	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	7	1.56
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	7	1.56
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	7	1.56
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	16	1.56
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	16	1.56
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	16	1.56
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	3	1.55
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	5	1.55
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	17	1.55
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	6	1.55
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	11	1.55
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	20	1.55
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	9	1.55
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	3	1.55
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	13	1.55
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	13	1.55
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	13	1.55
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	13	1.55
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	13	1.55
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	13	1.55
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	17	1.55
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	17	1.55
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	17	1.55
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	8	1.54
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	8	1.54
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	6	1.54
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	18	1.54
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	6	1.54
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	19	1.54
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	6	1.54
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	19	1.54
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	18	1.54
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	8	1.54
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	20	1.54
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	6	1.54
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	9	1.54
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	14	1.54
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	14	1.54
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	14	1.54
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	19	1.54
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	19	1.54
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	19	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	12	1.54
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	12	1.54
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	12	1.54
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	8	1.53
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	8	1.53
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	8	1.53
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	8	1.53
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	4	1.53
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	6	1.53
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	16	1.53
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	15	1.53
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	15	1.53
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	8	1.53
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	10	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	1	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	6	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	7	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	8	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	13	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	14	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	15	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	17	1.53
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	19	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	5	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	6	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	8	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	10	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	13	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	14	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	15	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	16	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	17	1.53
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	19	1.53
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	3	1.52
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	1	1.52
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	4	1.52
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	13	1.52
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	1	1.52
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	4	1.52
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	13	1.52
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	18	1.52
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	8	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	19	1.52
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	20	1.52
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	13	1.52
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	1	1.52
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	5	1.52
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	18	1.52
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	6	1.52
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	4	1.52
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	9	1.52
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	9	1.52
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	9	1.52
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	18	1.51
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	3	1.51
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	12	1.51
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	5	1.51
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	5	1.51
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	7	1.51
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	20	1.51
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	1	1.51
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	14	1.51
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	8	1.51
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	1	1.51
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	1	1.51
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	11	1.51
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	19	1.5
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	2	1.5
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	2	1.5
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	9	1.5
(4,132)	1:104:B:VAL:HB	1:105:B:CYS:H	17	1.5
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	2	1.5
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	9	1.5
(4,131)	1:4:A:VAL:HB	1:5:A:CYS:H	17	1.5
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	3	1.5
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	10	1.5
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	17	1.5
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	8	1.5
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	8	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	2	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	3	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	4	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	5	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	10	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	11	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	12	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	16	1.5
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	18	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	1	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	2	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	3	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	7	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	9	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	11	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	12	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	18	1.5
(4,20)	1:11:A:ASN:HB2	1:12:A:GLY:H	20	1.5
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	19	1.5
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	10	1.5
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	10	1.5
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	10	1.5
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	8	1.49
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	13	1.49
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	13	1.49
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	9	1.49
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	2	1.49
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	3	1.49
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	10	1.49
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	6	1.49
(4,21)	1:111:B:ASN:HB2	1:112:B:GLY:H	20	1.49
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	14	1.49
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	14	1.49
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	14	1.49
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	9	1.48
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	9	1.48
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	9	1.48
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	9	1.48
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	15	1.48
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	7	1.48
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	17	1.48
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	12	1.48
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	12	1.48
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	12	1.48
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	18	1.48
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	12	1.48
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	12	1.48
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	19	1.47
(4,134)	1:110:B:ARG:H	1:114:B:CYS:HA	8	1.47
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	9	1.47
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	12	1.47
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	17	1.47
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	5	1.47
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	19	1.47
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	15	1.47
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	10	1.46
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	12	1.46
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	15	1.46
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	3	1.46
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	3	1.46
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	3	1.46
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	4	1.45
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	4	1.45
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	20	1.45
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	7	1.45
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	12	1.45
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	1	1.45
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	2	1.45
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	2	1.45
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	2	1.45
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	3	1.45
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	3	1.45
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	3	1.45
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	8	1.44
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	17	1.44
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	17	1.44
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	17	1.44
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	17	1.44
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	13	1.44
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	5	1.44
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	9	1.44
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	8	1.44
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	2	1.44
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	2	1.44
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	2	1.44
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	8	1.43
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	1	1.43
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	1	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	3	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	5	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	5	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	5	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	11	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	11	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	11	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	16	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	16	1.43
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	16	1.43
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	11	1.43
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	11	1.43
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	11	1.43
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	3	1.42
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	9	1.42
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	12	1.42
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	3	1.42
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	5	1.42
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	8	1.42
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	7	1.42
(4,133)	1:10:A:ARG:H	1:14:A:CYS:HA	8	1.41
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	11	1.41
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	7	1.4
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	8	1.4
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	20	1.4
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	19	1.4
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	14	1.4
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	20	1.4
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	14	1.4
(4,71)	1:3:A:ARG:HB2	1:4:A:VAL:H	6	1.4
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	12	1.4
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	17	1.4
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	5	1.39
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	5	1.39
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	12	1.39
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	11	1.39
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	19	1.39
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	19	1.39
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	8	1.39
(4,72)	1:103:B:ARG:HB2	1:104:B:VAL:H	6	1.39
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	5	1.39
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	10	1.39
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	10	1.39
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	10	1.39
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	14	1.38
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	3	1.38
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	17	1.38
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	19	1.38
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	5	1.38
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	1	1.38
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	14	1.38
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	18	1.38
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	18	1.38
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	18	1.38
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	2	1.37
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	18	1.37
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	20	1.37
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	15	1.37
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	2	1.37
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	18	1.37
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	20	1.37
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	6	1.37
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	6	1.37
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	20	1.37
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	7	1.37
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	4	1.37
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	18	1.37
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	2	1.37
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	18	1.37
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	20	1.37
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	2	1.37
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	18	1.37
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	20	1.37
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	18	1.37
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	9	1.37
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	4	1.36
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	10	1.36
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	13	1.36
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	14	1.36
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	15	1.36
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	19	1.36
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	3	1.36
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	10	1.36
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	13	1.36
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	14	1.36
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	19	1.36
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	8	1.36
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	19	1.36
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	14	1.36
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	14	1.36
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	1	1.36
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	20	1.36
(4,135)	1:10:A:ARG:H	1:13:A:VAL:HB	4	1.36
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	11	1.36
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	5	1.36
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	10	1.36
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	10	1.36
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	6	1.36
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	13	1.36
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	11	1.36
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	13	1.36
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	8	1.36
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	3	1.36
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	19	1.36
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	8	1.36
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	19	1.36
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	11	1.36
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	14	1.36
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	13	1.36
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	4	1.36
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	10	1.36
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	13	1.36
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	14	1.36
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	15	1.36
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	19	1.36
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	7	1.36
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	7	1.36
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	7	1.36
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	20	1.35
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	7	1.35
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	8	1.35
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	4	1.35
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	3	1.35
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	3	1.35
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	9	1.35
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	17	1.35
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	18	1.35
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	7	1.35
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	8	1.35
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	3	1.35
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	7	1.35
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	6	1.35
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	11	1.35
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	17	1.35
(4,31)	1:5:A:CYS:HA	1:19:A:TRP:H	7	1.35
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	3	1.35
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	11	1.35
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	2	1.35
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	13	1.35
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	20	1.35
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	6	1.34
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	16	1.34
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	12	1.34
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	6	1.34
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	9	1.34
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	20	1.34
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	7	1.34
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	3	1.34
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	8	1.34
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	3	1.34
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	8	1.34
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	11	1.34
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	15	1.34
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	20	1.34
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	2	1.34
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	18	1.34
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	9	1.34
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	2	1.34
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	11	1.34
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	6	1.34
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	1	1.34
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	1	1.34
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	1	1.34
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	9	1.33
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	10	1.33
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	2	1.33
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	2	1.33
(4,136)	1:110:B:ARG:H	1:113:B:VAL:HB	18	1.33
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	15	1.33
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	2	1.33
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	3	1.33
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	4	1.33
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	6	1.33
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	5	1.33
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	10	1.33
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	10	1.33
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	12	1.33
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	3	1.33
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	12	1.33
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	9	1.33
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	14	1.32
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	9	1.32
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	3	1.32
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	8	1.32
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	9	1.32
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	5	1.31
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	5	1.31
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	1	1.31
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	9	1.31
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	5	1.31
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	12	1.31
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	4	1.31
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	4	1.31
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	4	1.31
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	4	1.31
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	4	1.31
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	4	1.31
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	2	1.3
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	17	1.3
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	2	1.3
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	17	1.3
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	7	1.3
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	18	1.3
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	17	1.3
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	20	1.3
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	18	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	17	1.3
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	19	1.3
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	17	1.3
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	2	1.3
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	1	1.3
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	1	1.3
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	1	1.3
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	1	1.29
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	1	1.29
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	14	1.29
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	1	1.29
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	1	1.29
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	14	1.29
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	7	1.29
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	9	1.29
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	14	1.29
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	14	1.29
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	15	1.29
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	2	1.29
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	12	1.29
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	1	1.29
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	14	1.29
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	1	1.29
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	14	1.29
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	6	1.29
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	15	1.29
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	18	1.29
(4,32)	1:105:B:CYS:HA	1:119:B:TRP:H	16	1.29
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	4	1.29
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	16	1.29
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	7	1.29
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	1	1.29
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	16	1.28
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	17	1.28
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	17	1.28
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	12	1.28
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	16	1.28
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	19	1.28
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	2	1.28
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	7	1.28
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	15	1.28
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	1	1.28
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	2	1.28
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	9	1.28
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	16	1.28
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	17	1.28
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	12	1.28
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	16	1.28
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	1	1.28
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	5	1.28
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	10	1.28
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	19	1.28
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	1	1.28
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	4	1.28
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	10	1.28
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	4	1.27
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	9	1.27
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	14	1.27
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	4	1.27
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	17	1.27
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	16	1.27
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	16	1.27
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	16	1.27
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	1	1.27
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	5	1.27
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	20	1.27
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	6	1.27
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	3	1.27
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	4	1.27
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	9	1.27
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	4	1.27
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	17	1.27
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	8	1.27
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	7	1.27
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	14	1.27
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	14	1.27
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	16	1.27
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	7	1.26
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	1	1.26
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	2	1.26
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	6	1.26
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	12	1.26
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	4	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	6	1.26
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	16	1.26
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	4	1.26
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	6	1.26
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	3	1.26
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	14	1.26
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	16	1.26
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	18	1.26
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	18	1.26
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	18	1.26
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	7	1.25
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	18	1.25
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	18	1.25
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	6	1.25
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	6	1.25
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	10	1.25
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	6	1.25
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	11	1.25
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	13	1.25
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	16	1.25
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	9	1.25
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	7	1.25
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	18	1.25
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	18	1.25
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	18	1.25
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	18	1.25
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG11	20	1.25
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG12	20	1.25
(4,9)	1:10:A:ARG:H	1:13:A:VAL:HG13	20	1.25
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	2	1.24
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	5	1.24
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	13	1.24
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	12	1.24
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	16	1.24
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	2	1.24
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	5	1.24
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	13	1.24
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	7	1.24
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	2	1.24
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	2	1.24
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	10	1.24
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	17	1.24
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	9	1.24
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	10	1.24
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	13	1.24
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	13	1.24
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	2	1.24
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	5	1.24
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	4	1.23
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	13	1.23
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	16	1.23
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	5	1.23
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	17	1.23
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	20	1.23
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	18	1.23
(4,29)	1:9:A:CYS:HB3	1:10:A:ARG:H	20	1.23
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	20	1.22
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	5	1.22
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	19	1.22
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	9	1.22
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	13	1.22
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	20	1.22
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG11	20	1.22
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG12	20	1.22
(4,10)	1:110:B:ARG:H	1:113:B:VAL:HG13	20	1.22
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	12	1.21
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	7	1.21
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	18	1.21
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	18	1.21
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	19	1.21
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	17	1.21
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	20	1.21
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	12	1.21
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	13	1.21
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	12	1.21
(4,30)	1:109:B:CYS:HB3	1:110:B:ARG:H	18	1.21
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	9	1.2
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	14	1.2
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	17	1.2
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	9	1.2
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	15	1.2
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	15	1.2
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	12	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	12	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	1	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	4	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	5	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	7	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	10	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	14	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	16	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	18	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	19	1.2
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	20	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	1	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	4	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	7	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	10	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	14	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	16	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	17	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	18	1.2
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	20	1.2
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	9	1.2
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	9	1.2
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	9	1.2
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	18	1.2
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	20	1.2
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	12	1.19
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	7	1.19
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	8	1.19
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	20	1.19
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	8	1.19
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	4	1.19
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	17	1.19
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	14	1.19
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	7	1.19
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	2	1.19
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	3	1.19
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	11	1.19
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	12	1.19
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	13	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	2	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	3	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	9	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	11	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	12	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	13	1.19
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	19	1.19
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	3	1.19
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	8	1.19
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	12	1.19
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	12	1.19
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	12	1.19
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	7	1.19
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	8	1.19
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	12	1.19
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	7	1.18
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	8	1.18
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	8	1.18
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	8	1.18
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	16	1.18
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	1	1.18
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	15	1.18
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	14	1.18
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	15	1.18
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	8	1.18
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	8	1.18
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	8	1.18
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	6	1.18
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	16	1.18
(4,112)	1:115:B:TYR:HA	1:116:B:ARG:H	20	1.18
(4,111)	1:15:A:TYR:HA	1:16:A:ARG:H	17	1.18
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	17	1.18
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	8	1.18
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	4	1.18
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	4	1.18
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	17	1.18
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	4	1.18
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	17	1.17
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	7	1.17
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	10	1.17
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	1	1.17
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	17	1.17
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	15	1.17
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	15	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	4	1.17
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	13	1.17
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	7	1.16
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	7	1.16
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	13	1.16
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	13	1.16
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	6	1.16
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	8	1.16
(4,105)	1:9:A:CYS:HA	1:10:A:ARG:H	6	1.16
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	8	1.16
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	8	1.16
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	8	1.16
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	16	1.16
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	8	1.16
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	16	1.16
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	9	1.16
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	4	1.15
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	12	1.15
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	12	1.15
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	7	1.15
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	17	1.15
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	17	1.15
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	1	1.15
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	1	1.15
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	6	1.15
(4,106)	1:109:B:CYS:HA	1:110:B:ARG:H	9	1.15
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	1	1.15
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	2	1.15
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	2	1.15
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	8	1.15
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	16	1.15
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	12	1.15
(4,14)	1:4:A:VAL:HG21	1:19:A:TRP:HE3	18	1.15
(4,14)	1:4:A:VAL:HG22	1:19:A:TRP:HE3	18	1.15
(4,14)	1:4:A:VAL:HG23	1:19:A:TRP:HE3	18	1.15
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	4	1.15
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	9	1.14
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	5	1.14
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	6	1.14
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	12	1.14
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	4	1.14
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	4	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,113)	1:17:A:ARG:HB3	1:18:A:CYS:H	20	1.14
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	15	1.14
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	7	1.14
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	7	1.14
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	7	1.14
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	7	1.14
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	18	1.13
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	18	1.13
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	18	1.13
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	20	1.13
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	20	1.13
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	4	1.13
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	19	1.13
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	13	1.13
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	18	1.13
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	18	1.13
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	18	1.13
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	8	1.13
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	8	1.13
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	8	1.13
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	2	1.13
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	16	1.13
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	1	1.13
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	9	1.13
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	13	1.12
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	5	1.12
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	18	1.12
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	10	1.12
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	4	1.12
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	14	1.12
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	12	1.12
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	17	1.12
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	7	1.12
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	3	1.11
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	16	1.11
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	3	1.11
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	16	1.11
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	15	1.11
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	19	1.11
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	4	1.11
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	6	1.11
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	3	1.11
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	16	1.11
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	4	1.1
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	20	1.1
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	16	1.1
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	1	1.1
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	12	1.1
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	14	1.1
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	17	1.09
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	17	1.09
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	2	1.09
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	14	1.09
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	2	1.09
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	9	1.09
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	10	1.09
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	6	1.09
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	11	1.09
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	7	1.09
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	11	1.09
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	18	1.09
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	1	1.09
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	17	1.09
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	12	1.09
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	14	1.09
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	17	1.08
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	2	1.08
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	14	1.08
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	13	1.08
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	13	1.08
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	13	1.08
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	4	1.08
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	10	1.08
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	14	1.08
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	13	1.08
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	13	1.08
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	13	1.08
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	19	1.08
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	9	1.08
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	9	1.08
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	9	1.08
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	12	1.08
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	12	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	12	1.08
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	2	1.08
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	2	1.08
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	18	1.08
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	18	1.08
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	20	1.08
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	17	1.08
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	6	1.07
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	1	1.07
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	15	1.07
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	15	1.07
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	15	1.07
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	6	1.07
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	3	1.07
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	12	1.07
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	1	1.07
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	4	1.07
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	19	1.07
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	16	1.07
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	16	1.07
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	16	1.07
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	6	1.06
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	10	1.06
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	9	1.06
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	9	1.06
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	15	1.06
(4,114)	1:117:B:ARG:HB3	1:118:B:CYS:H	16	1.06
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	15	1.06
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	15	1.06
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	15	1.06
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	19	1.06
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	1	1.06
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	6	1.06
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	15	1.06
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	3	1.06
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	13	1.06
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	14	1.06
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	17	1.06
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	19	1.06
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	20	1.06
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	5	1.06
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	10	1.06
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	14	1.06
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	17	1.06
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	13	1.05
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	13	1.05
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	13	1.05
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	13	1.05
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	20	1.05
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	20	1.05
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	13	1.05
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	13	1.05
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	13	1.05
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	6	1.05
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	6	1.05
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	6	1.05
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	16	1.05
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	4	1.05
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	13	1.05
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	15	1.05
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	3	1.05
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	6	1.05
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	7	1.05
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	8	1.05
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	15	1.05
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	6	1.05
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	13	1.05
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	15	1.05
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	16	1.05
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	8	1.04
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	8	1.04
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	8	1.04
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	15	1.04
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	15	1.04
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	18	1.04
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	18	1.04
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	3	1.04
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	3	1.04
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	17	1.04
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	19	1.04
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	8	1.04
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	8	1.04
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	6	1.04
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	6	1.04
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	6	1.04
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	19	1.04
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	3	1.04
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	8	1.04
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	4	1.03
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	4	1.03
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	4	1.03
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	20	1.03
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	1	1.03
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	1	1.03
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	4	1.03
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	4	1.03
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	4	1.03
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	12	1.03
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	12	1.03
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	12	1.03
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	2	1.03
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	2	1.03
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	2	1.03
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	18	1.03
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	20	1.03
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	14	1.03
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	11	1.03
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	13	1.03
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	3	1.03
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	7	1.03
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	16	1.03
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	9	1.03
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	17	1.03
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	17	1.03
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	17	1.03
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	16	1.02
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	11	1.02
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	11	1.02
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	3	1.02
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	3	1.02
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	14	1.02
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	2	1.02
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	2	1.02
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	3	1.02
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	3	1.02
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	3	1.02
(4,88)	1:106:B:ILE:H	1:106:B:ILE:HG12	18	1.02
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	20	1.02
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	11	1.02
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	9	1.02
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	9	1.02
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	8	1.02
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	4	1.02
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	1	1.02
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	11	1.02
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	16	1.02
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	15	1.02
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	15	1.02
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	15	1.02
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	3	1.01
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	3	1.01
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	3	1.01
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	3	1.01
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	20	1.01
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	5	1.01
(4,83)	1:16:A:ARG:H	1:16:A:ARG:HG2	10	1.01
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	13	1.01
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	7	1.01
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	8	1.01
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	2	1.01
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	5	1.01
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	10	1.01
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	11	1.01
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	12	1.01
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	16	1.01
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	2	1.01
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	3	1.01
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	7	1.01
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	11	1.01
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	12	1.01
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	9	1.0
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	9	1.0
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	18	1.0
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	6	1.0
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	20	1.0
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	17	1.0
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	17	1.0
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	17	1.0
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	3	1.0
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	3	1.0
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	3	1.0
(4,84)	1:116:B:ARG:H	1:116:B:ARG:HG2	20	1.0
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	15	1.0
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	13	1.0
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	15	1.0
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	17	1.0
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	9	1.0
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	2	1.0
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	2	1.0
(4,55)	1:4:A:VAL:HB	1:19:A:TRP:H	17	1.0
(4,28)	1:113:B:VAL:H	1:113:B:VAL:HB	3	1.0
(4,27)	1:13:A:VAL:H	1:13:A:VAL:HB	9	1.0
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	3	1.0
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	3	1.0
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	3	1.0
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	14	1.0
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	14	1.0
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	14	1.0
(4,192)	1:119:B:TRP:HA	1:120:B:GLY:H	18	0.99
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	19	0.99
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	12	0.99
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	13	0.99
(4,172)	1:19:A:TRP:HA	1:20:A:GLY:H	18	0.99
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	8	0.99
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	9	0.99
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	11	0.99
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	5	0.99
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	5	0.99
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	5	0.99
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	11	0.99
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	11	0.99
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	11	0.99
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	9	0.99
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	16	0.99
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	1	0.99
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	14	0.99
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	18	0.99
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	20	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	2	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	4	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	5	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	10	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	14	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	16	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	17	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	18	0.99
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	20	0.99
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	5	0.99
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	10	0.99
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	3	0.99
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	8	0.99
(4,22)	1:119:B:TRP:HA	1:120:B:GLY:H	18	0.99
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	2	0.99
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	2	0.99
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	2	0.99
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	15	0.99
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	15	0.99
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	15	0.99
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	2	0.99
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	2	0.99
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	2	0.99
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	11	0.99
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	11	0.99
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	11	0.99
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	17	0.99
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	17	0.99
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	17	0.99
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	10	0.98
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	12	0.98
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	12	0.98
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	16	0.98
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	16	0.98
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	16	0.98
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	11	0.98
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	11	0.98
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	11	0.98
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	13	0.98
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	13	0.98
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	9	0.98
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	15	0.98
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	15	0.98
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	1	0.98
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	1	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	2	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	4	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	5	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	6	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	10	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	16	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	17	0.98
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	19	0.98
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	1	0.98
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	7	0.98
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	13	0.98
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	19	0.98
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	10	0.98
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	10	0.98
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	9	0.98
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	9	0.98
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	9	0.98
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	3	0.98
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	3	0.98
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	3	0.98
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	10	0.97
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	10	0.97
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	10	0.97
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	11	0.97
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	16	0.97
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	11	0.97
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	16	0.97
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	10	0.97
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	10	0.97
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	10	0.97
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	13	0.97
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	13	0.97
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	13	0.97
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	5	0.97
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	5	0.97
(4,87)	1:6:A:ILE:H	1:6:A:ILE:HG12	5	0.97
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	3	0.97
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	13	0.97
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	3	0.97
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	6	0.97
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	10	0.97
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	10	0.97
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	12	0.97
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	12	0.97
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	12	0.97
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	7	0.96
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	7	0.96
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	7	0.96
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	4	0.96
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	4	0.96
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	4	0.96
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	14	0.96
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	14	0.96
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	14	0.96
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	14	0.96
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	4	0.96
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	5	0.96
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	5	0.96
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	7	0.96
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	7	0.96
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	7	0.96
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	4	0.96
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	4	0.96
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	4	0.96
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	14	0.96
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	14	0.96
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	14	0.96
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	16	0.96
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	16	0.96
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	16	0.96
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	8	0.96
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	12	0.96
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	12	0.96
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	11	0.96
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	11	0.96
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	14	0.96
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	6	0.96
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	6	0.96
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	6	0.96
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	6	0.95
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	6	0.95
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	6	0.95
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	17	0.95
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	17	0.95
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	17	0.95
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	17	0.95
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	11	0.95
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	9	0.95
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	6	0.95
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	6	0.95
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	6	0.95
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	17	0.95
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	17	0.95
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	17	0.95
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	10	0.95
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	10	0.95
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	10	0.95
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	12	0.95
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	14	0.95
(4,80)	1:119:B:TRP:HB3	1:120:B:GLY:H	19	0.95
(4,79)	1:19:A:TRP:HB3	1:20:A:GLY:H	19	0.95
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	5	0.95
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	20	0.95
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	11	0.95
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	11	0.95
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	11	0.95
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	6	0.95
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	6	0.95
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	6	0.95
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	13	0.94
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	2	0.94
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	2	0.94
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	15	0.94
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	20	0.94
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	20	0.94
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	20	0.94
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,170)	1:18:A:CYS:HB2	1:19:A:TRP:H	2	0.94
(4,170)	1:18:A:CYS:HB3	1:19:A:TRP:H	2	0.94
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	19	0.94
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	2	0.94
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	2	0.94
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	9	0.94
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	20	0.94
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	20	0.94
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	20	0.94
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	7	0.94
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	7	0.94
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	7	0.94
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	19	0.94
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	19	0.94
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	19	0.94
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	7	0.94
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	7	0.94
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	7	0.94
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	12	0.94
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	8	0.94
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	9	0.94
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	15	0.94
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	13	0.94
(4,188)	1:116:B:ARG:HA	1:117:B:ARG:H	11	0.93
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	16	0.93
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	1	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	10	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	10	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	10	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	20	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	20	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	20	0.93
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	14	0.93
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	18	0.93
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	18	0.93
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	3	0.93
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	18	0.93
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	18	0.93
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	10	0.93
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	10	0.93
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	10	0.93
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	20	0.93
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	20	0.93
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	14	0.93
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	14	0.93
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	14	0.93
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	19	0.93
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	19	0.93
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	19	0.93
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	11	0.93
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	8	0.93
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	9	0.93
(4,82)	1:113:B:VAL:HA	1:114:B:CYS:H	15	0.93
(4,81)	1:13:A:VAL:HA	1:14:A:CYS:H	15	0.93
(4,66)	1:116:B:ARG:HA	1:117:B:ARG:H	11	0.93
(4,48)	1:115:B:TYR:HB3	1:116:B:ARG:H	19	0.93
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	5	0.93
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	13	0.93
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	13	0.93
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	13	0.93
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	14	0.93
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	14	0.93
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	14	0.93
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	6	0.93
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	6	0.93
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	6	0.93
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	6	0.92
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	6	0.92
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	6	0.92
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	6	0.92
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	6	0.92
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	6	0.92
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	17	0.92
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	17	0.92
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	17	0.92
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	8	0.92
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	11	0.92
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	7	0.92
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	9	0.92
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	8	0.92
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	5	0.92
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	7	0.92
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	7	0.92
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	14	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	14	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	14	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	16	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	16	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	16	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	19	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	19	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	19	0.91
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	11	0.91
(4,168)	1:16:A:ARG:HA	1:17:A:ARG:H	15	0.91
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	8	0.91
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	5	0.91
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	13	0.91
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	17	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	14	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	14	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	14	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	16	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	16	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	16	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	19	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	19	0.91
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	19	0.91
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	20	0.91
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	10	0.91
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	10	0.91
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	10	0.91
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	11	0.91
(4,65)	1:16:A:ARG:HA	1:17:A:ARG:H	15	0.91
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	8	0.91
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	1	0.91
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	1	0.91
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	1	0.91
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	4	0.91
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	4	0.91
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	4	0.91
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	1	0.9
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	1	0.9
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	1	0.9
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	16	0.9
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	16	0.9
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	15	0.9
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	5	0.9
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	19	0.9
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	2	0.9
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	2	0.9
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	2	0.9
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	2	0.9
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	2	0.9
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	2	0.9
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	2	0.9
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	2	0.9
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	2	0.9
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	2	0.9
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	2	0.9
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	2	0.9
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	7	0.9
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	17	0.9
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	1	0.9
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	1	0.9
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	1	0.9
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	16	0.9
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	16	0.9
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	16	0.9
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	5	0.9
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	3	0.9
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	4	0.9
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	4	0.9
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	4	0.9
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	9	0.9
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	9	0.9
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	9	0.9
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	20	0.9
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	20	0.9
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	20	0.9
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	3	0.89
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	3	0.89
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	3	0.89
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	12	0.89
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	12	0.89
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	12	0.89
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	12	0.89
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	12	0.89
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	10	0.89
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	10	0.89
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	8	0.89
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	8	0.89
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	3	0.89
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	3	0.89
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	3	0.89
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	12	0.89
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	12	0.89
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	12	0.89
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	12	0.89
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	12	0.89
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	12	0.89
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	3	0.89
(4,50)	1:106:B:ILE:HG12	1:107:B:ARG:H	16	0.89
(4,49)	1:6:A:ILE:HG12	1:7:A:ARG:H	16	0.89
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	3	0.89
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	19	0.89
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	19	0.89
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	19	0.89
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	9	0.88
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	11	0.88
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	11	0.88
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	11	0.88
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	10	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	11	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	11	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	11	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	18	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	18	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	18	0.88
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	20	0.88
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	13	0.88
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	9	0.88
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	2	0.88
(4,120)	1:119:B:TRP:H	1:120:B:GLY:H	3	0.88
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	2	0.88
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	3	0.88
(4,119)	1:19:A:TRP:H	1:20:A:GLY:H	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	11	0.88
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	11	0.88
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	11	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	11	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	11	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	11	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	18	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	18	0.88
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	18	0.88
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	18	0.88
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	18	0.88
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	18	0.88
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	17	0.88
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	10	0.88
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	9	0.88
(4,47)	1:15:A:TYR:HB3	1:16:A:ARG:H	19	0.88
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	9	0.88
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	13	0.88
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	13	0.88
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	13	0.88
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	13	0.88
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	13	0.88
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	13	0.88
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	3	0.88
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	8	0.88
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	19	0.87
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	19	0.87
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	19	0.87
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	10	0.87
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	18	0.87
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	15	0.87
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	16	0.87
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	19	0.87
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	19	0.87
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	19	0.87
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	14	0.87
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	14	0.87
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	14	0.87
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	13	0.87
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	16	0.87
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	6	0.87
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	19	0.87
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	19	0.87
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	19	0.87
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	1	0.87
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	1	0.87
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	1	0.87
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	10	0.87
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	10	0.87
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	10	0.87
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	1	0.86
(4,190)	1:118:B:CYS:HB2	1:119:B:TRP:H	20	0.86
(4,190)	1:118:B:CYS:HB3	1:119:B:TRP:H	20	0.86
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	5	0.86
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	5	0.86
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	5	0.86
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	9	0.86
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	9	0.86
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	9	0.86
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	6	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	1	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	1	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	1	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	5	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	5	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	5	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	7	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	7	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	7	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	15	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	15	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	15	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	17	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	17	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	17	0.86
(4,141)	1:118:B:CYS:HB2	1:119:B:TRP:H	20	0.86
(4,141)	1:118:B:CYS:HB3	1:119:B:TRP:H	20	0.86
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	5	0.86
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	5	0.86
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	5	0.86
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	5	0.86
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	9	0.86
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	9	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	1	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	1	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	1	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	5	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	5	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	5	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	7	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	7	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	7	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	15	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	15	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	15	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	17	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	17	0.86
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	17	0.86
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	5	0.86
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	10	0.86
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	7	0.86
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	6	0.86
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	5	0.86
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	14	0.86
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	1	0.86
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	1	0.86
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	20	0.86
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	1	0.86
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	3	0.86
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	9	0.85
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	9	0.85
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	9	0.85
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	9	0.85
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	9	0.85
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	9	0.85
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	11	0.85
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	11	0.85
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	1	0.85
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	1	0.85
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	1	0.85
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	2	0.85
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	4	0.85
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	1	0.85
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	12	0.85
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	10	0.85
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	8	0.85
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	6	0.84
(4,178)	1:106:B:ILE:H	1:117:B:ARG:HB3	5	0.84
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	9	0.84
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	18	0.84
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	5	0.84
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	17	0.84
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	4	0.84
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	4	0.84
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	4	0.84
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	18	0.84
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	18	0.84
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	18	0.84
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	13	0.84
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	12	0.84
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	6	0.84
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	8	0.84
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	13	0.84
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	14	0.84
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	1	0.84
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	6	0.84
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	19	0.83
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	10	0.83
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	12	0.83
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	19	0.83
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	1	0.83
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	6	0.83
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	20	0.83
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	8	0.83
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	10	0.83
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	9	0.83
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	17	0.83
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	1	0.83
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	18	0.83
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	2	0.83
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	8	0.83
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	8	0.83
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	8	0.83
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	11	0.82
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	2	0.82
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	2	0.82
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG21	3	0.82
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG22	3	0.82
(4,160)	1:8:A:VAL:H	1:8:A:VAL:HG23	3	0.82
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	1	0.82
(4,139)	1:4:A:VAL:HG21	1:19:A:TRP:HB3	18	0.82
(4,139)	1:4:A:VAL:HG22	1:19:A:TRP:HB3	18	0.82
(4,139)	1:4:A:VAL:HG23	1:19:A:TRP:HB3	18	0.82
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	15	0.82
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	15	0.82
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	2	0.82
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	2	0.82
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	2	0.82
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG21	3	0.82
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG22	3	0.82
(4,115)	1:8:A:VAL:H	1:8:A:VAL:HG23	3	0.82
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	8	0.82
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	8	0.82
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	8	0.82
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	18	0.82
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	18	0.82
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	18	0.82
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	8	0.82
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	8	0.82
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	8	0.82
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	13	0.82
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	1	0.82
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	7	0.82
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	14	0.82
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	17	0.82
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	19	0.82
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	4	0.82
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	10	0.82
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	14	0.82
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	16	0.82
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	4	0.82
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	13	0.82
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	14	0.82
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	10	0.82
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	20	0.82
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	11	0.82
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	8	0.82
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	8	0.82
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	8	0.82
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	10	0.81
(4,139)	1:4:A:VAL:HG21	1:19:A:TRP:HB3	20	0.81
(4,139)	1:4:A:VAL:HG22	1:19:A:TRP:HB3	20	0.81
(4,139)	1:4:A:VAL:HG23	1:19:A:TRP:HB3	20	0.81
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	18	0.81
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	20	0.81
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	13	0.81
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	13	0.81
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	13	0.81
(4,92)	1:113:B:VAL:HB	1:114:B:CYS:H	18	0.81
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	5	0.81
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	17	0.81
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	18	0.81
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	19	0.81
(4,91)	1:13:A:VAL:HB	1:14:A:CYS:H	20	0.81
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	2	0.81
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	15	0.81
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	17	0.81
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	2	0.81
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	4	0.81
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	7	0.81
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	15	0.81
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	2	0.81
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	2	0.81
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	17	0.81
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	20	0.81
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	16	0.81
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	16	0.81
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	16	0.81
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	6	0.8
(4,125)	1:6:A:ILE:HG13	1:7:A:ARG:H	13	0.8
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	13	0.8
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	13	0.8
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	13	0.8
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	9	0.8
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	19	0.8
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	7	0.8
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	7	0.8
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	16	0.8
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	16	0.8
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	16	0.8
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	1	0.8
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	1	0.8
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	1	0.8
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	11	0.8
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	11	0.8
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	11	0.8
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	2	0.79
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	2	0.79
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	2	0.79
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	6	0.79
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	15	0.79
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	20	0.79
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	2	0.79
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	2	0.79
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	2	0.79
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	10	0.79
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	10	0.79
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	10	0.79
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	14	0.79
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	14	0.79
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	14	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	6	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	6	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	6	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	10	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	10	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	10	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	14	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	14	0.79
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	14	0.79
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	17	0.79
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG21	15	0.78
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG22	15	0.78
(4,180)	1:108:B:VAL:H	1:108:B:VAL:HG23	15	0.78
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	3	0.78
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	12	0.78
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	8	0.78
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG21	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG22	15	0.78
(4,116)	1:108:B:VAL:H	1:108:B:VAL:HG23	15	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	2	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	2	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	2	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	4	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	4	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	4	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	6	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	6	0.78
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	6	0.78
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	2	0.78
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	2	0.78
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	2	0.78
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	4	0.78
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	4	0.78
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	4	0.78
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	3	0.78
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	16	0.78
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	16	0.78
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	16	0.78
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	6	0.77
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	11	0.77
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	12	0.77
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	8	0.77
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	14	0.77
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	18	0.77
(4,126)	1:106:B:ILE:HG13	1:107:B:ARG:H	20	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	7	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	7	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	7	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	15	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	15	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	15	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	16	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	16	0.77
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	16	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	1	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	1	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	1	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	7	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	7	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	15	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	15	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	15	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	16	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	16	0.77
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	16	0.77
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	10	0.77
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	10	0.77
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	10	0.77
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	12	0.77
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	12	0.77
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	12	0.77
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	18	0.77
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	18	0.77
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	18	0.77
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	10	0.77
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	10	0.77
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	10	0.77
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	11	0.77
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	11	0.77
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	11	0.77
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	14	0.77
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	14	0.77
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	14	0.77
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	12	0.77
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	12	0.77
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	12	0.77
(4,194)	1:106:B:ILE:H	1:118:B:CYS:HA	15	0.76
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	5	0.76
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	11	0.76
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	12	0.76
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	9	0.76
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	1	0.76
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	12	0.76
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	12	0.76
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	15	0.76
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	15	0.76
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	15	0.76
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	15	0.76
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	15	0.76
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	1	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	1	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	1	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	3	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	3	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	3	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	5	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	5	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	5	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	11	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	11	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	11	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	19	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	19	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	19	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	20	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	20	0.76
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	20	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	3	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	3	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	3	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	9	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	9	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	9	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	11	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	11	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	11	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	12	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	12	0.76
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	12	0.76
(4,86)	1:117:B:ARG:HB2	1:118:B:CYS:H	11	0.76
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	11	0.76
(4,13)	1:106:B:ILE:H	1:118:B:CYS:HA	15	0.76
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	7	0.76
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	7	0.76
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	7	0.76
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	15	0.75
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	7	0.75
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	15	0.75
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	9	0.75
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	15	0.75
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	15	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	9	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	9	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	9	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	12	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	12	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	12	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG11	17	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG12	17	0.75
(4,110)	1:108:B:VAL:H	1:108:B:VAL:HG13	17	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	5	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	5	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	5	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	17	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	17	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	17	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	19	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	19	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	19	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG11	20	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG12	20	0.75
(4,109)	1:8:A:VAL:H	1:8:A:VAL:HG13	20	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	1	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	2	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	4	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	7	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	14	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	18	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	19	0.75
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	20	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	1	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	2	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	4	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	5	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	10	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	14	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	16	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	17	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	18	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	19	0.75
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	20	0.75
(4,97)	1:19:A:TRP:HB2	1:19:A:TRP:HE3	7	0.75
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	20	0.75
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	20	0.75
(4,85)	1:17:A:ARG:HB2	1:18:A:CYS:H	3	0.75
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	17	0.75
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	7	0.75
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	7	0.75
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	7	0.75
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	6	0.75
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	6	0.75
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	6	0.75
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	20	0.75
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	20	0.75
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	20	0.75
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	13	0.74
(4,139)	1:4:A:VAL:HG21	1:19:A:TRP:HB3	7	0.74
(4,139)	1:4:A:VAL:HG22	1:19:A:TRP:HB3	7	0.74
(4,139)	1:4:A:VAL:HG23	1:19:A:TRP:HB3	7	0.74
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	8	0.74
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	5	0.74
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	6	0.74
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	10	0.74
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	16	0.74
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	17	0.74
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	7	0.74
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	13	0.74
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	20	0.74
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	20	0.74
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	20	0.74
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	8	0.74
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	12	0.74
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	12	0.74
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	12	0.74
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	18	0.74
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	18	0.74
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	18	0.74
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	10	0.74
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	10	0.74
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	10	0.74
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	1	0.74
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	1	0.74
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	1	0.74
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	6	0.73
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	14	0.73
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	12	0.73
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	15	0.73
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	3	0.73
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	13	0.73
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	3	0.73
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	6	0.73
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	19	0.73
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	20	0.73
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	20	0.73
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	20	0.73
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	13	0.73
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	13	0.73
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	13	0.73
(4,174)	1:6:A:ILE:H	1:18:A:CYS:HA	11	0.72
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	11	0.72
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	14	0.72
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	17	0.72
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	17	0.72
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	11	0.72
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	11	0.72
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	18	0.72
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	18	0.72
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	18	0.72
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	8	0.72
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	15	0.72
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	15	0.72
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	15	0.72
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	3	0.71
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	8	0.71
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	4	0.71
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	11	0.71
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	1	0.71
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	4	0.71
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	6	0.71
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	12	0.71
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	8	0.71
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	12	0.71
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	9	0.71
(4,98)	1:119:B:TRP:HB2	1:119:B:TRP:HE3	17	0.71
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	5	0.71
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	5	0.71
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	16	0.7
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	20	0.7
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	8	0.7
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	19	0.7
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	6	0.7
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	1	0.7
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	4	0.7
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	1	0.7
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	4	0.7
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	8	0.7
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	9	0.7
(4,102)	1:113:B:VAL:H	1:114:B:CYS:H	15	0.7
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	9	0.7
(4,101)	1:13:A:VAL:H	1:14:A:CYS:H	15	0.7
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG21	1	0.7
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG22	1	0.7
(4,96)	1:110:B:ARG:H	1:113:B:VAL:HG23	1	0.7
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG21	4	0.7
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG22	4	0.7
(4,95)	1:10:A:ARG:H	1:13:A:VAL:HG23	4	0.7
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	18	0.7
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	18	0.7
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	18	0.7
(4,34)	1:115:B:TYR:HB2	1:116:B:ARG:H	18	0.7
(4,5)	1:6:A:ILE:HG21	1:7:A:ARG:H	5	0.7
(4,5)	1:6:A:ILE:HG22	1:7:A:ARG:H	5	0.7
(4,5)	1:6:A:ILE:HG23	1:7:A:ARG:H	5	0.7
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	19	0.7
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	19	0.7
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	19	0.7
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	8	0.69
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	5	0.69
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	12	0.69
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	19	0.69
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	17	0.69
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	18	0.69
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	20	0.69
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	12	0.68
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	11	0.68
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	7	0.68
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	15	0.68
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	15	0.68
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	15	0.68
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	15	0.68
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	15	0.68
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	15	0.68
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	4	0.68
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	7	0.68
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	13	0.68
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	1	0.68
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	5	0.68
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	10	0.68
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	16	0.68
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	16	0.68
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	14	0.68
(4,56)	1:104:B:VAL:HB	1:119:B:TRP:H	17	0.68
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	5	0.68
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	20	0.68
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	4	0.68
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	4	0.68
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	4	0.68
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	18	0.67
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	5	0.67
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	10	0.67
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	10	0.67
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	5	0.67
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	11	0.67
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	14	0.67
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	17	0.67
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	6	0.67
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	7	0.67
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	13	0.67
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	14	0.67
(4,33)	1:15:A:TYR:HB2	1:16:A:ARG:H	18	0.67
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	5	0.67
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	5	0.67
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	5	0.67
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	14	0.67
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	14	0.67
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	14	0.67
(4,158)	1:6:A:ILE:H	1:17:A:ARG:HB3	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	17	0.66
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	19	0.66
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	3	0.66
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	17	0.66
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	20	0.66
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	1	0.66
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	3	0.66
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	9	0.66
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	11	0.66
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	15	0.66
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	15	0.66
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	15	0.66
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	18	0.66
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	18	0.66
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	18	0.66
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	15	0.66
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	15	0.66
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	15	0.66
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	5	0.66
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	2	0.66
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	10	0.65
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	2	0.65
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	10	0.65
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	18	0.65
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	18	0.65
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	18	0.65
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	18	0.65
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	18	0.65
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	18	0.65
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	2	0.65
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	3	0.65
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	6	0.65
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	16	0.65
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	10	0.65
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	14	0.65
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	14	0.65
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	17	0.65
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	15	0.65
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	15	0.65
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	15	0.65
(4,38)	1:106:B:ILE:H	1:117:B:ARG:H	5	0.65
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,6)	1:106:B:ILE:HG21	1:107:B:ARG:H	20	0.65
(4,6)	1:106:B:ILE:HG22	1:107:B:ARG:H	20	0.65
(4,6)	1:106:B:ILE:HG23	1:107:B:ARG:H	20	0.65
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	2	0.65
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	10	0.64
(4,128)	1:109:B:CYS:HA	1:114:B:CYS:H	10	0.64
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	2	0.64
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	3	0.64
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	13	0.64
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	13	0.64
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	13	0.64
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	2	0.63
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	9	0.63
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	6	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	7	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	8	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	9	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	13	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	14	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	15	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	17	0.63
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	19	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	5	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	6	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	8	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	10	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	13	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	15	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	16	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	17	0.63
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	19	0.63
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	5	0.63
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	18	0.62
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	19	0.62
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	3	0.62
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	3	0.62
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	3	0.62
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	3	0.62
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	3	0.62
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	3	0.62
(4,127)	1:9:A:CYS:HA	1:14:A:CYS:H	12	0.62
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	3	0.62
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	20	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	1	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	1	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	1	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	2	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	2	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	2	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	4	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	4	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	4	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	5	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	5	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	5	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	6	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	6	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	6	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	7	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	7	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	7	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	9	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	9	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	9	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	10	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	10	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	10	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	11	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	11	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	11	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	12	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	12	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	12	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	16	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	16	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	16	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	17	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	17	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	17	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	19	0.62
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	19	0.62
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	19	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	1	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	1	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	2	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	2	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	2	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	4	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	4	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	4	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	5	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	5	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	5	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	8	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	8	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	8	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	9	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	9	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	9	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	10	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	10	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	10	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	11	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	11	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	11	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	12	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	12	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	12	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	13	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	13	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	13	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	14	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	14	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	14	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	16	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	16	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	16	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	17	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	17	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	17	0.62
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	19	0.62
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	19	0.62
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	19	0.62
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	1	0.62
(4,40)	1:111:B:ASN:HB2	1:111:B:ASN:HD22	6	0.62
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	4	0.62
(4,39)	1:11:A:ASN:HB2	1:11:A:ASN:HD22	14	0.62
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	3	0.61
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	3	0.61
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	3	0.61
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	14	0.61
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	14	0.61
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	14	0.61
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	6	0.61
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	6	0.61
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	6	0.61
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	7	0.61
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	7	0.61
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	7	0.61
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	18	0.61
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	4	0.61
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	9	0.61
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	4	0.61
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	4	0.61
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	4	0.61
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	8	0.6
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	2	0.6
(4,150)	1:9:A:CYS:H	1:102:B:PRO:HA	2	0.6
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	3	0.6
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	7	0.6
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	2	0.6
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	8	0.6
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	8	0.6
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	8	0.6
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	20	0.6
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	20	0.6
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	20	0.6
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	4	0.6
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	10	0.6
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	10	0.6
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	14	0.59
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	16	0.59
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	16	0.59
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	18	0.59
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	18	0.59
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	18	0.59
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	18	0.59
(4,54)	1:108:B:VAL:HG21	1:109:B:CYS:H	20	0.59
(4,54)	1:108:B:VAL:HG22	1:109:B:CYS:H	20	0.59
(4,54)	1:108:B:VAL:HG23	1:109:B:CYS:H	20	0.59
(4,53)	1:8:A:VAL:HG21	1:9:A:CYS:H	3	0.59
(4,53)	1:8:A:VAL:HG22	1:9:A:CYS:H	3	0.59
(4,53)	1:8:A:VAL:HG23	1:9:A:CYS:H	3	0.59
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	4	0.59
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	18	0.59
(4,156)	1:5:A:CYS:HB3	1:6:A:ILE:H	8	0.58
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	16	0.58
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	14	0.58
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	15	0.58
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	20	0.58
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	20	0.58
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	2	0.58
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	4	0.58
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	5	0.58
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	7	0.58
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	10	0.58
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	13	0.58
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	14	0.58
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	4	0.58
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	10	0.58
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	12	0.58
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	14	0.58
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	16	0.58
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	20	0.58
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	9	0.58
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	17	0.58
(4,151)	1:2:A:PRO:HA	1:109:B:CYS:H	18	0.57
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	6	0.57
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	15	0.57
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	18	0.57
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	20	0.57
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	1	0.57
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	8	0.57
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	18	0.57
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	7	0.57
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	9	0.57
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	1	0.57
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	19	0.57
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	1	0.57
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	5	0.57
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	8	0.57
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	13	0.57
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	20	0.57
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	18	0.56
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	16	0.56
(4,146)	1:7:A:ARG:H	1:105:B:CYS:H	9	0.56
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	2	0.56
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	19	0.56
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	9	0.56
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	18	0.56
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	16	0.56
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	4	0.56
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	10	0.56
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	15	0.56
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	15	0.56
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	18	0.56
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	10	0.56
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	3	0.56
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	4	0.56
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	20	0.56
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	6	0.56
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	2	0.56
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	9	0.56
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	2	0.56
(4,147)	1:5:A:CYS:H	1:107:B:ARG:H	20	0.55
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	7	0.55
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	7	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	2	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	3	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	4	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	10	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	11	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	12	0.55
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	16	0.55
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	1	0.55
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	2	0.55
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	7	0.55
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	11	0.55
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	5	0.55
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	7	0.55
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	10	0.55
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	10	0.55
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	10	0.55
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	11	0.55
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	6	0.55
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	14	0.55
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	17	0.55
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	7	0.55
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	12	0.55
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	12	0.55
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	18	0.55
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	5	0.55
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	6	0.54
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	9	0.54
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	5	0.54
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	9	0.54
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	12	0.54
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	1	0.54
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	19	0.54
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	19	0.54
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	16	0.54
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	4	0.54
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	14	0.54
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	15	0.54
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	19	0.54
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	16	0.54
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	18	0.54
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	20	0.54
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	16	0.54
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	16	0.54
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	19	0.54
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	8	0.53
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	12	0.53
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	10	0.53
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	12	0.53
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	1	0.53
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	3	0.53
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	9	0.53
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	2	0.53
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	1	0.53
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	11	0.53
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	7	0.53
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	12	0.53
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	4	0.53
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	10	0.53
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	11	0.53
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	14	0.53
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	15	0.53
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	2	0.52
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	20	0.52
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	10	0.52
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	6	0.52
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	8	0.52
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	16	0.52
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	20	0.52
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	14	0.52
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	18	0.52
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	20	0.52
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	14	0.52
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	5	0.52
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	2	0.52
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	3	0.52
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	14	0.52
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	1	0.52
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	13	0.52
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	3	0.51
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	3	0.51
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	3	0.51
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	3	0.51
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	3	0.51
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	3	0.51
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	13	0.51
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	13	0.51
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	13	0.51
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	13	0.51
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	13	0.51
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	13	0.51
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	2	0.51
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	4	0.51
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	13	0.51
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	13	0.51
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	11	0.51
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	7	0.51
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	5	0.51
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	10	0.51
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	13	0.51
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	2	0.51
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	5	0.51
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	17	0.51
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	16	0.51
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	16	0.51
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	19	0.51
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	10	0.51
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	15	0.51
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	12	0.51
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	16	0.51
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	6	0.51
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	18	0.51
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	8	0.51
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	12	0.51
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	16	0.51
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	18	0.51
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	20	0.51
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	13	0.51
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	20	0.51
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	9	0.51
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	13	0.5
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	13	0.5
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	12	0.5
(4,42)	1:119:B:TRP:HB2	1:120:B:GLY:H	14	0.5
(4,41)	1:19:A:TRP:HB2	1:20:A:GLY:H	14	0.5
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	16	0.5
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	7	0.5
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	8	0.5
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	10	0.5
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	18	0.5
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	5	0.5
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	5	0.5
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	7	0.5
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	16	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	2	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	3	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	4	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	5	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	9	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	10	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	12	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	14	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	16	0.5
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	20	0.5
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	1	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	3	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	4	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	7	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	16	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	19	0.5
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	20	0.5
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	12	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	1	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	2	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	4	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	5	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	6	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	7	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	10	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	13	0.5
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	14	0.5
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	5	0.5
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	7	0.5
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	14	0.5
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	2	0.5
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	6	0.5
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	7	0.5
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	15	0.5
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	16	0.5
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	4	0.5
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	1	0.5
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	14	0.5
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	17	0.5
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	5	0.5
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	1	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	2	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	3	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	4	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	5	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	9	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	10	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	13	0.5
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	14	0.5
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	14	0.5
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	16	0.5
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	2	0.5
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	6	0.5
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	15	0.5
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	4	0.5
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	5	0.5
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	11	0.5
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	15	0.5
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	17	0.5
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	12	0.49
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	14	0.49
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	8	0.49
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	10	0.49
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	5	0.49
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	16	0.49
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	19	0.49
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	5	0.49
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	16	0.49
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	1	0.49
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	11	0.49
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	15	0.49
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	9	0.49
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	13	0.49
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	14	0.49
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	15	0.49
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	3	0.49
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	15	0.49
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	2	0.49
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	15	0.49
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	15	0.49
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	12	0.49
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	2	0.49
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	10	0.49
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	13	0.49
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	14	0.49
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	19	0.49
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	15	0.48
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	5	0.48
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	7	0.48
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	14	0.48
(4,37)	1:6:A:ILE:H	1:17:A:ARG:H	5	0.48
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	8	0.48
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	8	0.48
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	19	0.48
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	17	0.48
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	6	0.48
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	5	0.48
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	2	0.48
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	3	0.48
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	6	0.48
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	13	0.48
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	9	0.48
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	11	0.48
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	17	0.48
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	9	0.48
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	2	0.48
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	16	0.48
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	9	0.48
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	12	0.48
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	1	0.48
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	9	0.47
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	12	0.47
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	12	0.47
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	12	0.47
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	12	0.47
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	12	0.47
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	12	0.47
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	20	0.47
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	10	0.47
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	14	0.47
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	17	0.47
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	19	0.47
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	6	0.47
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	16	0.47
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	8	0.47
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	7	0.47
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	7	0.47
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	12	0.47
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	16	0.47
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	1	0.47
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	4	0.47
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	13	0.47
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	6	0.47
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	17	0.47
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	4	0.47
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	13	0.47
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	9	0.47
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	1	0.47
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	5	0.47
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	8	0.47
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	6	0.47
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	8	0.47
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	9	0.47
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	7	0.46
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	7	0.46
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	13	0.46
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	14	0.46
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	15	0.46
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	17	0.46
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	19	0.46
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	5	0.46
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	6	0.46
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	13	0.46
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	16	0.46
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	3	0.46
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	14	0.46
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	18	0.46
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	11	0.46
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	3	0.46
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	16	0.46
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	10	0.46
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	5	0.46
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	7	0.46
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	12	0.46
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	6	0.46
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	16	0.46
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	19	0.46
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	8	0.46
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	8	0.46
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	8	0.45
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	18	0.45
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	18	0.45
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	6	0.45
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	8	0.45
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	8	0.45
(4,69)	1:11:A:ASN:HB3	1:13:A:VAL:H	15	0.45
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	6	0.45
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	13	0.45
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	2	0.45
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	3	0.45
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	10	0.45
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	8	0.45
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	12	0.45
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	6	0.45
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	17	0.45
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	8	0.45
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	7	0.45
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	15	0.45
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	17	0.45
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	20	0.45
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	1	0.45
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	10	0.45
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	7	0.45
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	13	0.45
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	6	0.45
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	10	0.45
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	7	0.45
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	19	0.45
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	6	0.45
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	4	0.45
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	1	0.45
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	9	0.45
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	9	0.44
(4,176)	1:105:B:CYS:HB3	1:106:B:ILE:H	5	0.44
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	11	0.44
(4,70)	1:111:B:ASN:HB3	1:113:B:VAL:H	9	0.44
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	20	0.44
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	7	0.44
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	20	0.44
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	13	0.44
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	1	0.44
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	7	0.44
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	12	0.44
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	11	0.44
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	15	0.44
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	12	0.44
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	20	0.44
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	19	0.44
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	4	0.44
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	13	0.44
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	17	0.44
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	10	0.44
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	5	0.44
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	7	0.44
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	6	0.43
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	2	0.43
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	10	0.43
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	1	0.43
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	4	0.43
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	9	0.43
(4,15)	1:104:B:VAL:HG21	1:119:B:TRP:HE3	7	0.43
(4,15)	1:104:B:VAL:HG22	1:119:B:TRP:HE3	7	0.43
(4,15)	1:104:B:VAL:HG23	1:119:B:TRP:HE3	7	0.43
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	1	0.43
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	2	0.43
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	18	0.43
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	4	0.43
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	15	0.43
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	3	0.43
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	7	0.43
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	3	0.43
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	8	0.43
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	12	0.43
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	8	0.43
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	3	0.43
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	19	0.43
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	8	0.43
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	15	0.43
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	16	0.43
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	6	0.43
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	8	0.42
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	8	0.42
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	2	0.42
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	8	0.42
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	8	0.42
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	8	0.42
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	8	0.42
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	8	0.42
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	8	0.42
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	9	0.42
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	20	0.42
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	16	0.42
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	3	0.42
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	7	0.42
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	12	0.42
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	15	0.42
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	20	0.42
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	8	0.42
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	16	0.42
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	5	0.42
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	15	0.42
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	5	0.42
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	8	0.42
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	13	0.42
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	7	0.42
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	11	0.42
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	6	0.42
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	6	0.41
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	15	0.41
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	8	0.41
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	10	0.41
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	11	0.41
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	12	0.41
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	9	0.41
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	15	0.41
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	18	0.41
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	17	0.41
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	10	0.41
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	5	0.41
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	5	0.41
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	5	0.41
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	19	0.41
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	19	0.41
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	19	0.41
(4,2)	1:116:B:ARG:HB2	1:117:B:ARG:H	20	0.41
(4,1)	1:16:A:ARG:HB2	1:17:A:ARG:H	20	0.41
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	3	0.41
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	4	0.41
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	13	0.41
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	9	0.41
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	9	0.41
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	17	0.41
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	1	0.41
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	19	0.41
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	8	0.41
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	17	0.41
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	6	0.41
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	4	0.41
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	17	0.41
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	7	0.41
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	15	0.4
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	9	0.4
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	2	0.4
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	11	0.4
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	20	0.4
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	11	0.4
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	15	0.4
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	20	0.4
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	6	0.4
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	12	0.4
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	8	0.4
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	8	0.4
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	8	0.4
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	8	0.4
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	8	0.4
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	8	0.4
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	15	0.4
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	3	0.4
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	5	0.4
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	13	0.4
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	19	0.4
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	5	0.4
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	3	0.4
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	20	0.4
(1,10)	1:8:A:VAL:N	1:15:A:TYR:O	11	0.4
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	19	0.4
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	8	0.4
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	7	0.4
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	15	0.4
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	17	0.4
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	3	0.4
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	6	0.39
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	8	0.39
(4,154)	1:7:A:ARG:H	1:104:B:VAL:HA	8	0.39
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	11	0.39
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	8	0.39
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	8	0.39
(4,108)	1:107:B:ARG:HB2	1:108:B:VAL:H	6	0.39
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	4	0.39
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	15	0.39
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	5	0.39
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	9	0.39
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	18	0.39
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	3	0.39
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	8	0.39
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	19	0.39
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	6	0.39
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	10	0.39
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	9	0.39
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	7	0.39
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	17	0.39
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	15	0.38
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	6	0.38
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	15	0.38
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	20	0.38
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	4	0.38
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	12	0.38
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	2	0.38
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	17	0.38
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	15	0.38
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	15	0.38
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	15	0.38
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	15	0.38
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	15	0.38
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	15	0.38
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	9	0.38
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	20	0.38
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	18	0.38
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	12	0.38
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	13	0.38
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	7	0.38
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	8	0.38
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	3	0.38
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	7	0.38
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	10	0.38
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	18	0.37
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	10	0.37
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	9	0.37
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	14	0.37
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	3	0.37
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	3	0.37
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	1	0.37
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	18	0.37
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	10	0.37
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	11	0.37
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	16	0.37
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	5	0.37
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	19	0.37
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	19	0.37
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	14	0.37
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	6	0.37
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	19	0.37
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	8	0.37
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	18	0.37
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	13	0.37
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	15	0.37
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	9	0.37
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	17	0.37
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	9	0.37
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	7	0.37
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	5	0.37
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	18	0.36
(4,154)	1:7:A:ARG:H	1:104:B:VAL:HA	20	0.36
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	3	0.36
(4,137)	1:17:A:ARG:HD2	1:18:A:CYS:H	3	0.36
(4,137)	1:17:A:ARG:HD3	1:18:A:CYS:H	3	0.36
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	11	0.36
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	11	0.36
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	11	0.36
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	11	0.36
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	11	0.36
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	11	0.36
(4,107)	1:7:A:ARG:HB2	1:8:A:VAL:H	18	0.36
(4,63)	1:6:A:ILE:HB	1:17:A:ARG:H	19	0.36
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	19	0.36
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	11	0.36
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	15	0.36
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	15	0.36
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	15	0.36
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	15	0.36
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	15	0.36
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	15	0.36
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	3	0.36
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	3	0.36
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	3	0.36
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	13	0.36
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	2	0.36
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	13	0.36
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	16	0.36
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	7	0.36
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	9	0.36
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	1	0.36
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	9	0.36
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	19	0.36
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	9	0.36
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	12	0.36
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	13	0.36
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	20	0.36
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	3	0.36
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	17	0.35
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	8	0.35
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	7	0.35
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	7	0.35
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	7	0.35
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	7	0.35
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	7	0.35
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	7	0.35
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	3	0.35
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	13	0.35
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	19	0.35
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	19	0.35
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	19	0.35
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	19	0.35
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	19	0.35
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	19	0.35
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	19	0.35
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	2	0.35
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	6	0.35
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	13	0.35
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	14	0.35
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	6	0.35
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	5	0.35
(1,26)	1:3:A:ARG:N	1:109:B:CYS:O	11	0.35
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	17	0.35
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	8	0.35
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	10	0.35
(1,9)	1:8:A:VAL:H	1:15:A:TYR:O	17	0.35
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	11	0.35
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	6	0.35
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	3	0.35
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	11	0.34
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	13	0.34
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	9	0.34
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	11	0.34
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	9	0.34
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	13	0.34
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	6	0.34
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	6	0.34
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	6	0.34
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	6	0.34
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	6	0.34
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	2	0.34
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	2	0.34
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	20	0.34
(4,67)	1:16:A:ARG:HG2	1:17:A:ARG:H	18	0.34
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	3	0.34
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	13	0.34
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	9	0.34
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	19	0.34
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	7	0.34
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	7	0.34
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	5	0.34
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	8	0.34
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	8	0.34
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	8	0.34
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	8	0.34
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	8	0.34
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	8	0.34
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	13	0.34
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	20	0.34
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	11	0.34
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	2	0.34
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	9	0.34
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	17	0.34
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	5	0.34
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	7	0.34
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	4	0.34
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	19	0.34
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	11	0.34
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	8	0.34
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	3	0.33
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	12	0.33
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	17	0.33
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	2	0.33
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	16	0.33
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	18	0.33
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	1	0.33
(4,52)	1:106:B:ILE:H	1:106:B:ILE:HG13	9	0.33
(4,51)	1:6:A:ILE:H	1:6:A:ILE:HG13	19	0.33
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	7	0.33
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	5	0.33
(4,14)	1:4:A:VAL:HG21	1:19:A:TRP:HE3	20	0.33
(4,14)	1:4:A:VAL:HG22	1:19:A:TRP:HE3	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,14)	1:4:A:VAL:HG23	1:19:A:TRP:HE3	20	0.33
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	14	0.33
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	11	0.33
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	1	0.33
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	1	0.33
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	4	0.33
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	13	0.33
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	16	0.33
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	2	0.32
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	3	0.32
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	12	0.32
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	20	0.32
(4,154)	1:7:A:ARG:H	1:104:B:VAL:HA	18	0.32
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	3	0.32
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	6	0.32
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	12	0.32
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	19	0.32
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	6	0.32
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	19	0.32
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	19	0.32
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	19	0.32
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	19	0.32
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	19	0.32
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	19	0.32
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	3	0.32
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	12	0.32
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	20	0.32
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	3	0.32
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	10	0.32
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	5	0.32
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	12	0.32
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	2	0.32
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	2	0.32
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	2	0.32
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	2	0.32
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	2	0.32
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	2	0.32
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	2	0.32
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	2	0.32
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	2	0.32
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	2	0.32
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	2	0.32
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	17	0.32
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	14	0.32
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	14	0.32
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	11	0.32
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	17	0.32
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	3	0.32
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	19	0.32
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	3	0.32
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	11	0.32
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	2	0.32
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	17	0.32
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	5	0.32
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	14	0.32
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	12	0.32
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	3	0.32
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	13	0.31
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	13	0.31
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	12	0.31
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	17	0.31
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	11	0.31
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	11	0.31
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	11	0.31
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	11	0.31
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	11	0.31
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	11	0.31
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	8	0.31
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	8	0.31
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	8	0.31
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	8	0.31
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	8	0.31
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	8	0.31
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	9	0.31
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	9	0.31
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	9	0.31
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	9	0.31
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	9	0.31
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	9	0.31
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	16	0.31
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	11	0.31
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	2	0.31
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	2	0.31
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	2	0.31
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	2	0.31
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	2	0.31
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	17	0.31
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	17	0.31
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	17	0.31
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	17	0.31
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	17	0.31
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	17	0.31
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	12	0.31
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	1	0.31
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	6	0.31
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	20	0.31
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	5	0.31
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	4	0.31
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	17	0.31
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	3	0.31
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	8	0.31
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	2	0.3
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	7	0.3
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	14	0.3
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	19	0.3
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	2	0.3
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	17	0.3
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	9	0.3
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	17	0.3
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	11	0.3
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	7	0.3
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	10	0.3
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	11	0.3
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	18	0.3
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	2	0.3
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	2	0.3
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	2	0.3
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	2	0.3
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	2	0.3
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	2	0.3
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	6	0.3
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	6	0.3
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	6	0.3
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	6	0.3
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	6	0.3
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	6	0.3
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	6	0.3
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	6	0.3
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	6	0.3
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	6	0.3
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	6	0.3
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	13	0.3
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	13	0.3
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	13	0.3
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	13	0.3
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	13	0.3
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	13	0.3
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	3	0.3
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	3	0.3
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	3	0.3
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	3	0.3
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	3	0.3
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	3	0.3
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	17	0.3
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	17	0.3
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	17	0.3
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	17	0.3
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	17	0.3
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	17	0.3
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	1	0.3
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	13	0.3
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	16	0.3
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	18	0.3
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	9	0.3
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	11	0.3
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	16	0.3
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	10	0.3
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	15	0.3
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	3	0.3
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	11	0.3
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	4	0.3
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	13	0.3
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	5	0.29
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	5	0.29
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	19	0.29
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	3	0.29
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	5	0.29
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	10	0.29
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	20	0.29
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	4	0.29
(4,140)	1:104:B:VAL:HG21	1:119:B:TRP:HB3	20	0.29
(4,140)	1:104:B:VAL:HG22	1:119:B:TRP:HB3	20	0.29
(4,140)	1:104:B:VAL:HG23	1:119:B:TRP:HB3	20	0.29
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	10	0.29
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	10	0.29
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	10	0.29
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	10	0.29
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	10	0.29
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	10	0.29
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	17	0.29
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	17	0.29
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	17	0.29
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	17	0.29
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	17	0.29
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	17	0.29
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	2	0.29
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	2	0.29
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	17	0.29
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	18	0.29
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	7	0.29
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	7	0.29
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	10	0.29
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	12	0.29
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	17	0.29
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	10	0.29
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	3	0.29
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	11	0.29
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	9	0.29
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	9	0.29
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	9	0.29
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	9	0.29
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	9	0.29
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	9	0.29
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	17	0.29
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	17	0.29
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	17	0.29
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	17	0.29
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	17	0.29
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	8	0.29
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	8	0.29
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	8	0.29
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	8	0.29
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	8	0.29
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	8	0.29
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	15	0.29
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	4	0.29
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	12	0.29
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	7	0.29
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	19	0.29
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	6	0.29
(1,25)	1:3:A:ARG:H	1:109:B:CYS:O	11	0.29
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	20	0.29
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	17	0.29
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	11	0.29
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	19	0.29
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	6	0.29
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	7	0.29
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	19	0.29
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	1	0.28
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	4	0.28
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	5	0.28
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	16	0.28
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	19	0.28
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	3	0.28
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	11	0.28
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	12	0.28
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	16	0.28
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	1	0.28
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	4	0.28
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	17	0.28
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	11	0.28
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	19	0.28
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	14	0.28
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	15	0.28
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	6	0.28
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	10	0.28
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	5	0.28
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	12	0.28
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	19	0.28
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	2	0.28
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	3	0.28
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	2	0.28
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	3	0.28
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	14	0.28
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	15	0.28
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	17	0.28
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	17	0.28
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	6	0.28
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	9	0.28
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	6	0.28
(4,44)	1:115:B:TYR:HE1	1:117:B:ARG:HB2	3	0.28
(4,44)	1:115:B:TYR:HE2	1:117:B:ARG:HB2	3	0.28
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	11	0.28
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	11	0.28
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	11	0.28
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	11	0.28
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	11	0.28
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	11	0.28
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	12	0.28
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	12	0.28
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	12	0.28
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	12	0.28
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	12	0.28
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	12	0.28
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	11	0.28
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	11	0.28
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	11	0.28
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	11	0.28
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	11	0.28
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	11	0.28
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	1	0.28
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	1	0.28
(4,14)	1:4:A:VAL:HG21	1:19:A:TRP:HE3	7	0.28
(4,14)	1:4:A:VAL:HG22	1:19:A:TRP:HE3	7	0.28
(4,14)	1:4:A:VAL:HG23	1:19:A:TRP:HE3	7	0.28
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	15	0.28
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	8	0.28
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	4	0.28
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	14	0.28
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	12	0.28
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	1	0.28
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	16	0.28
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	10	0.27
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	10	0.27
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	14	0.27
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	13	0.27
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	15	0.27
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	10	0.27
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	10	0.27
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	10	0.27
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	10	0.27
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	10	0.27
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	10	0.27
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	4	0.27
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	14	0.27
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	5	0.27
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	6	0.27
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	10	0.27
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	17	0.27
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	15	0.27
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	19	0.27
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	12	0.27
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	19	0.27
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	7	0.27
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	8	0.27
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	8	0.27
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	8	0.27
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	8	0.27
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	8	0.27
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	8	0.27
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	19	0.27
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	19	0.27
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	19	0.27
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	19	0.27
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	19	0.27
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	19	0.27
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	15	0.27
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	4	0.27
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	13	0.27
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	13	0.27
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	14	0.27
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	10	0.27
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	2	0.27
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	14	0.27
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	7	0.26
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	14	0.26
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	14	0.26
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	16	0.26
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	7	0.26
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	11	0.26
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	17	0.26
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	16	0.26
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	9	0.26
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	9	0.26
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	9	0.26
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	9	0.26
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	9	0.26
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	9	0.26
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	3	0.26
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	3	0.26
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	4	0.26
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	16	0.26
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	19	0.26
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	13	0.26
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	15	0.26
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	14	0.26
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	6	0.26
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	11	0.26
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	10	0.26
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	7	0.26
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	7	0.26
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	7	0.26
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	7	0.26
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	7	0.26
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	7	0.26
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	10	0.26
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	10	0.26
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	10	0.26
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	10	0.26
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	10	0.26
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	13	0.26
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	16	0.26
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	16	0.26
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	3	0.26
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	3	0.26
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	3	0.26
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	3	0.26
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	3	0.26
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	3	0.26
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	12	0.26
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	12	0.26
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	12	0.26
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	12	0.26
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	12	0.26
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	12	0.26
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	10	0.26
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	10	0.26
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	10	0.26
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	10	0.26
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	10	0.26
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	10	0.26
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	20	0.26
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	16	0.26
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	1	0.26
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	18	0.26
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	2	0.26
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	3	0.26
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	3	0.26
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	2	0.26
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	12	0.26
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	4	0.25
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	10	0.25
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	1	0.25
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	12	0.25
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	4	0.25
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	13	0.25
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	14	0.25
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	19	0.25
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	1	0.25
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	17	0.25
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	7	0.25
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	13	0.25
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	14	0.25
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	15	0.25
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	1	0.25
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	14	0.25
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	6	0.25
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	11	0.25
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	12	0.25
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	7	0.25
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	7	0.25
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	7	0.25
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	7	0.25
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	7	0.25
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	7	0.25
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	11	0.25
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	13	0.25
(4,3)	1:4:A:VAL:HG21	1:19:A:TRP:H	8	0.25
(4,3)	1:4:A:VAL:HG22	1:19:A:TRP:H	8	0.25
(4,3)	1:4:A:VAL:HG23	1:19:A:TRP:H	8	0.25
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	17	0.25
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	5	0.25
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	20	0.25
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	11	0.25
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	18	0.25
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	5	0.25
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	11	0.25
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	20	0.25
(1,21)	1:108:B:VAL:H	1:115:B:TYR:O	18	0.25
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	14	0.25
(1,6)	1:8:A:VAL:O	1:15:A:TYR:N	15	0.25
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	2	0.25
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	17	0.24
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	4	0.24
(4,140)	1:104:B:VAL:HG21	1:119:B:TRP:HB3	9	0.24
(4,140)	1:104:B:VAL:HG22	1:119:B:TRP:HB3	9	0.24
(4,140)	1:104:B:VAL:HG23	1:119:B:TRP:HB3	9	0.24
(4,140)	1:104:B:VAL:HG21	1:119:B:TRP:HB3	16	0.24
(4,140)	1:104:B:VAL:HG22	1:119:B:TRP:HB3	16	0.24
(4,140)	1:104:B:VAL:HG23	1:119:B:TRP:HB3	16	0.24
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	16	0.24
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	16	0.24
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	16	0.24
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	16	0.24
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	16	0.24
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	13	0.24
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	7	0.24
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	10	0.24
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	4	0.24
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	9	0.24
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	4	0.24
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	9	0.24
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	4	0.24
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	9	0.24
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	13	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	3	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	3	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	3	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	3	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	3	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	3	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	10	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	10	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	10	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	10	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	10	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	10	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	19	0.24
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	19	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	19	0.24
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	19	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	19	0.24
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	19	0.24
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	3	0.24
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	3	0.24
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	3	0.24
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	3	0.24
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	3	0.24
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	3	0.24
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	2	0.24
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	11	0.24
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	2	0.24
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	20	0.24
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	10	0.24
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	12	0.24
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	16	0.24
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	8	0.24
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	19	0.24
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	16	0.23
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	10	0.23
(4,94)	1:114:B:CYS:H	1:114:B:CYS:HB3	8	0.23
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	16	0.23
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	4	0.23
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	3	0.23
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	17	0.23
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	18	0.23
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	3	0.23
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	17	0.23
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	5	0.23
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	5	0.23
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	5	0.23
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	5	0.23
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	5	0.23
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	5	0.23
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	12	0.23
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	12	0.23
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	12	0.23
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	12	0.23
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	12	0.23
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	12	0.23
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	13	0.23
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	13	0.23
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	13	0.23
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	13	0.23
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	13	0.23
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	13	0.23
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	14	0.23
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	6	0.23
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	6	0.23
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	6	0.23
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	6	0.23
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	6	0.23
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	6	0.23
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	7	0.23
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	17	0.23
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	17	0.23
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	13	0.23
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	20	0.23
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	1	0.23
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	6	0.23
(1,18)	1:108:B:VAL:O	1:115:B:TYR:N	12	0.23
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	17	0.23
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	16	0.23
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	9	0.22
(4,138)	1:117:B:ARG:HD2	1:118:B:CYS:H	7	0.22
(4,138)	1:117:B:ARG:HD3	1:118:B:CYS:H	7	0.22
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	13	0.22
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	9	0.22
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	9	0.22
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	9	0.22
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	9	0.22
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	9	0.22
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	9	0.22
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	3	0.22
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	3	0.22
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	15	0.22
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	15	0.22
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	15	0.22
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	15	0.22
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	15	0.22
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	15	0.22
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	9	0.22
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	9	0.22
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	9	0.22
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	10	0.22
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	5	0.22
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	6	0.22
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	15	0.22
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	17	0.22
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	20	0.22
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	4	0.22
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	10	0.22
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	11	0.22
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	4	0.22
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	18	0.21
(4,166)	1:9:A:CYS:HB2	1:10:A:ARG:H	20	0.21
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	12	0.21
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	13	0.21
(4,154)	1:7:A:ARG:H	1:104:B:VAL:HA	5	0.21
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	13	0.21
(4,142)	1:4:A:VAL:HB	1:19:A:TRP:HE3	1	0.21
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	6	0.21
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	6	0.21
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	6	0.21
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	6	0.21
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	6	0.21
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	6	0.21
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	13	0.21
(4,93)	1:14:A:CYS:H	1:14:A:CYS:HB3	8	0.21
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	1	0.21
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	5	0.21
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	5	0.21
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	8	0.21
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	13	0.21
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	13	0.21
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	13	0.21
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	13	0.21
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	13	0.21
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	13	0.21
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	16	0.21
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	16	0.21
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	16	0.21
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	16	0.21
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	16	0.21
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	16	0.21
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	14	0.21
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	14	0.21
(4,11)	1:17:A:ARG:HG3	1:18:A:CYS:H	4	0.21
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	15	0.21
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	15	0.21
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	15	0.21
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	15	0.21
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	15	0.21
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	15	0.21
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	19	0.21
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	2	0.21
(1,28)	1:9:A:CYS:O	1:103:B:ARG:N	18	0.21
(1,27)	1:9:A:CYS:O	1:103:B:ARG:H	18	0.21
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	3	0.21
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	8	0.21
(1,4)	1:6:A:ILE:O	1:17:A:ARG:N	10	0.21
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	20	0.2
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	4	0.2
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	4	0.2
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	4	0.2
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	4	0.2
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	4	0.2
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	4	0.2
(4,89)	1:13:A:VAL:HG21	1:14:A:CYS:H	8	0.2
(4,89)	1:13:A:VAL:HG22	1:14:A:CYS:H	8	0.2
(4,89)	1:13:A:VAL:HG23	1:14:A:CYS:H	8	0.2
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	9	0.2
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	12	0.2
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	8	0.2
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	14	0.2
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	14	0.2
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	14	0.2
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	14	0.2
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	14	0.2
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	14	0.2
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	18	0.2
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	20	0.2
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	15	0.2
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	2	0.2
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	11	0.2
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	1	0.2
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	3	0.2
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	3	0.2
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	15	0.2
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	12	0.2
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	14	0.2
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	11	0.2
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	13	0.2
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	14	0.2
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	7	0.19
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	17	0.19
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	17	0.19
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	17	0.19
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	17	0.19
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	17	0.19
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	19	0.19
(4,90)	1:113:B:VAL:HG21	1:114:B:CYS:H	8	0.19
(4,90)	1:113:B:VAL:HG22	1:114:B:CYS:H	8	0.19
(4,90)	1:113:B:VAL:HG23	1:114:B:CYS:H	8	0.19
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	1	0.19
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	13	0.19
(4,46)	1:114:B:CYS:HB2	1:115:B:TYR:H	15	0.19
(4,45)	1:14:A:CYS:HB2	1:15:A:TYR:H	15	0.19
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	1	0.19
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	1	0.19
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	1	0.19
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	1	0.19
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	1	0.19
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	1	0.19
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	14	0.19
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	14	0.19
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	14	0.19
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	14	0.19
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	14	0.19
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	14	0.19
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	4	0.19
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	4	0.19
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	4	0.19
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	4	0.19
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	4	0.19
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	4	0.19
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	16	0.19
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	16	0.19
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	16	0.19
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	16	0.19
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	16	0.19
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	16	0.19
(4,15)	1:104:B:VAL:HG21	1:119:B:TRP:HE3	18	0.19
(4,15)	1:104:B:VAL:HG22	1:119:B:TRP:HE3	18	0.19
(4,15)	1:104:B:VAL:HG23	1:119:B:TRP:HE3	18	0.19
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	10	0.19
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	10	0.19
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	10	0.19
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	10	0.19
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	10	0.19
(1,39)	1:9:A:CYS:H	1:103:B:ARG:O	19	0.19
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	11	0.19
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	9	0.19
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	1	0.19
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	9	0.19
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	1	0.19
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	4	0.19
(1,16)	1:106:B:ILE:O	1:117:B:ARG:N	10	0.19
(4,186)	1:109:B:CYS:HB2	1:110:B:ARG:H	18	0.18
(4,184)	1:110:B:ARG:H	1:113:B:VAL:H	1	0.18
(4,164)	1:10:A:ARG:H	1:13:A:VAL:H	4	0.18
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	4	0.18
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	19	0.18
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	18	0.18
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	18	0.18
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	18	0.18
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	18	0.18
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	18	0.18
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	18	0.18
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	5	0.18
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	15	0.18
(4,90)	1:113:B:VAL:HG21	1:114:B:CYS:H	15	0.18
(4,90)	1:113:B:VAL:HG22	1:114:B:CYS:H	15	0.18
(4,90)	1:113:B:VAL:HG23	1:114:B:CYS:H	15	0.18
(4,89)	1:13:A:VAL:HG21	1:14:A:CYS:H	15	0.18
(4,89)	1:13:A:VAL:HG22	1:14:A:CYS:H	15	0.18
(4,89)	1:13:A:VAL:HG23	1:14:A:CYS:H	15	0.18
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	5	0.18
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	5	0.18
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	5	0.18
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	5	0.18
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	5	0.18
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	5	0.18
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD1	1	0.18
(4,25)	1:13:A:VAL:HG21	1:15:A:TYR:HD2	1	0.18
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD1	1	0.18
(4,25)	1:13:A:VAL:HG22	1:15:A:TYR:HD2	1	0.18
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD1	1	0.18
(4,25)	1:13:A:VAL:HG23	1:15:A:TYR:HD2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,15)	1:104:B:VAL:HG21	1:119:B:TRP:HE3	12	0.18
(4,15)	1:104:B:VAL:HG22	1:119:B:TRP:HE3	12	0.18
(4,15)	1:104:B:VAL:HG23	1:119:B:TRP:HE3	12	0.18
(4,12)	1:117:B:ARG:HG3	1:118:B:CYS:H	13	0.18
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	9	0.18
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	9	0.18
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	9	0.18
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	9	0.18
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	9	0.18
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	9	0.18
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	8	0.18
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	8	0.18
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	8	0.18
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	9	0.18
(1,37)	1:3:A:ARG:O	1:109:B:CYS:H	11	0.18
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	8	0.18
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	3	0.18
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	18	0.18
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	10	0.18
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	12	0.18
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	18	0.18
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	18	0.18
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	19	0.18
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	6	0.18
(1,7)	1:10:A:ARG:H	1:13:A:VAL:O	12	0.18
(1,5)	1:8:A:VAL:O	1:15:A:TYR:H	15	0.18
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	6	0.17
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	17	0.17
(4,155)	1:4:A:VAL:HA	1:107:B:ARG:H	18	0.17
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	1	0.17
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	1	0.17
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	1	0.17
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	1	0.17
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	1	0.17
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	1	0.17
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	1	0.17
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	5	0.17
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	5	0.17
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	5	0.17
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	5	0.17
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	5	0.17
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	13	0.17
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	13	0.17
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	13	0.17
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	13	0.17
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	13	0.17
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	13	0.17
(4,124)	1:103:B:ARG:H	1:103:B:ARG:HB3	5	0.17
(4,44)	1:115:B:TYR:HE1	1:117:B:ARG:HB2	10	0.17
(4,44)	1:115:B:TYR:HE2	1:117:B:ARG:HB2	10	0.17
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	11	0.17
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	11	0.17
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	11	0.17
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	11	0.17
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	11	0.17
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	11	0.17
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	14	0.17
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	14	0.17
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	14	0.17
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	14	0.17
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	14	0.17
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	14	0.17
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	5	0.17
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	5	0.17
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	5	0.17
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	5	0.17
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	5	0.17
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	5	0.17
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	11	0.17
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	11	0.17
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	11	0.17
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	11	0.17
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	11	0.17
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	11	0.17
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	10	0.17
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	9	0.17
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	6	0.17
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	14	0.17
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	2	0.17
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	13	0.17
(1,23)	1:106:B:ILE:H	1:117:B:ARG:O	8	0.17
(1,22)	1:108:B:VAL:N	1:115:B:TYR:O	12	0.17
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:104:B:VAL:O	1:119:B:TRP:N	18	0.17
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	16	0.16
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	20	0.16
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	20	0.16
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	20	0.16
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	20	0.16
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	20	0.16
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	20	0.16
(4,123)	1:3:A:ARG:H	1:3:A:ARG:HB3	5	0.16
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	5	0.16
(4,90)	1:113:B:VAL:HG21	1:114:B:CYS:H	9	0.16
(4,90)	1:113:B:VAL:HG22	1:114:B:CYS:H	9	0.16
(4,90)	1:113:B:VAL:HG23	1:114:B:CYS:H	9	0.16
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD1	4	0.16
(4,26)	1:113:B:VAL:HG21	1:115:B:TYR:HD2	4	0.16
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD1	4	0.16
(4,26)	1:113:B:VAL:HG22	1:115:B:TYR:HD2	4	0.16
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD1	4	0.16
(4,26)	1:113:B:VAL:HG23	1:115:B:TYR:HD2	4	0.16
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	10	0.16
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	10	0.16
(4,15)	1:104:B:VAL:HG21	1:119:B:TRP:HE3	16	0.16
(4,15)	1:104:B:VAL:HG22	1:119:B:TRP:HE3	16	0.16
(4,15)	1:104:B:VAL:HG23	1:119:B:TRP:HE3	16	0.16
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	7	0.16
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	16	0.16
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	12	0.16
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	3	0.16
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	8	0.16
(1,30)	1:5:A:CYS:N	1:107:B:ARG:O	2	0.16
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	13	0.16
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	15	0.16
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	6	0.16
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	2	0.16
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	18	0.16
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	7	0.15
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	14	0.15
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	14	0.15
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	14	0.15
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	14	0.15
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	14	0.15
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	20	0.15
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	20	0.15
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	20	0.15
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	20	0.15
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	20	0.15
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	20	0.15
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD1	7	0.15
(4,7)	1:8:A:VAL:HG21	1:15:A:TYR:HD2	7	0.15
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD1	7	0.15
(4,7)	1:8:A:VAL:HG22	1:15:A:TYR:HD2	7	0.15
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD1	7	0.15
(4,7)	1:8:A:VAL:HG23	1:15:A:TYR:HD2	7	0.15
(4,4)	1:104:B:VAL:HG21	1:119:B:TRP:H	3	0.15
(4,4)	1:104:B:VAL:HG22	1:119:B:TRP:H	3	0.15
(4,4)	1:104:B:VAL:HG23	1:119:B:TRP:H	3	0.15
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	18	0.15
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	12	0.15
(1,36)	1:7:A:ARG:N	1:105:B:CYS:O	11	0.15
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	6	0.15
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	2	0.15
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	9	0.15
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	15	0.15
(1,7)	1:10:A:ARG:H	1:13:A:VAL:O	8	0.15
(1,7)	1:10:A:ARG:H	1:13:A:VAL:O	9	0.15
(4,154)	1:7:A:ARG:H	1:104:B:VAL:HA	6	0.14
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	4	0.14
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	4	0.14
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	4	0.14
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	4	0.14
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	4	0.14
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	4	0.14
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	16	0.14
(4,73)	1:6:A:ILE:HB	1:7:A:ARG:H	20	0.14
(4,43)	1:15:A:TYR:HE1	1:17:A:ARG:HB2	3	0.14
(4,43)	1:15:A:TYR:HE2	1:17:A:ARG:HB2	3	0.14
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	6	0.14
(4,14)	1:4:A:VAL:HG21	1:19:A:TRP:HE3	3	0.14
(4,14)	1:4:A:VAL:HG22	1:19:A:TRP:HE3	3	0.14
(4,14)	1:4:A:VAL:HG23	1:19:A:TRP:HE3	3	0.14
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD1	16	0.14
(4,8)	1:108:B:VAL:HG21	1:115:B:TYR:HD2	16	0.14
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD1	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,8)	1:108:B:VAL:HG22	1:115:B:TYR:HD2	16	0.14
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD1	16	0.14
(4,8)	1:108:B:VAL:HG23	1:115:B:TYR:HD2	16	0.14
(3,8)	1:109:B:CYS:CB	1:114:B:CYS:SG	18	0.14
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	18	0.14
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	5	0.14
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	19	0.14
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	18	0.14
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	20	0.14
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	3	0.14
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	4	0.14
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	11	0.14
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	14	0.14
(1,19)	1:110:B:ARG:H	1:113:B:VAL:O	12	0.14
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	1	0.14
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	1	0.14
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	8	0.14
(1,8)	1:10:A:ARG:N	1:13:A:VAL:O	12	0.14
(1,3)	1:6:A:ILE:O	1:17:A:ARG:H	10	0.14
(1,1)	1:4:A:VAL:O	1:19:A:TRP:H	18	0.14
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	5	0.13
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD1	12	0.13
(4,129)	1:8:A:VAL:HG11	1:15:A:TYR:HD2	12	0.13
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD1	12	0.13
(4,129)	1:8:A:VAL:HG12	1:15:A:TYR:HD2	12	0.13
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD1	12	0.13
(4,129)	1:8:A:VAL:HG13	1:15:A:TYR:HD2	12	0.13
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	17	0.13
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	7	0.13
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	11	0.13
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	15	0.13
(4,90)	1:113:B:VAL:HG21	1:114:B:CYS:H	13	0.13
(4,90)	1:113:B:VAL:HG22	1:114:B:CYS:H	13	0.13
(4,90)	1:113:B:VAL:HG23	1:114:B:CYS:H	13	0.13
(4,44)	1:115:B:TYR:HE1	1:117:B:ARG:HB2	11	0.13
(4,44)	1:115:B:TYR:HE2	1:117:B:ARG:HB2	11	0.13
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	18	0.13
(4,16)	1:2:A:PRO:HB2	1:3:A:ARG:HA	18	0.13
(3,8)	1:109:B:CYS:CB	1:114:B:CYS:SG	20	0.13
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	12	0.13
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	16	0.13
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	9	0.13
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	7	0.13
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	9	0.13
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	16	0.13
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	17	0.13
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	9	0.13
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	17	0.13
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	18	0.13
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	8	0.13
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	15	0.13
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	4	0.13
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	11	0.13
(1,24)	1:106:B:ILE:N	1:117:B:ARG:O	15	0.13
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	12	0.13
(1,11)	1:6:A:ILE:H	1:17:A:ARG:O	19	0.13
(4,153)	1:10:A:ARG:HA	1:103:B:ARG:H	5	0.12
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	10	0.12
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	6	0.12
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	8	0.12
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	9	0.12
(4,89)	1:13:A:VAL:HG21	1:14:A:CYS:H	6	0.12
(4,89)	1:13:A:VAL:HG22	1:14:A:CYS:H	6	0.12
(4,89)	1:13:A:VAL:HG23	1:14:A:CYS:H	6	0.12
(4,74)	1:106:B:ILE:HB	1:107:B:ARG:H	18	0.12
(4,68)	1:116:B:ARG:HG2	1:117:B:ARG:H	15	0.12
(4,17)	1:102:B:PRO:HB2	1:103:B:ARG:HA	6	0.12
(3,7)	1:109:B:CYS:SG	1:114:B:CYS:CB	18	0.12
(3,7)	1:109:B:CYS:SG	1:114:B:CYS:CB	20	0.12
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	5	0.12
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	7	0.12
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	19	0.12
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	17	0.12
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	5	0.12
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	12	0.12
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	18	0.12
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	19	0.12
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	8	0.12
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	5	0.12
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	19	0.12
(1,38)	1:3:A:ARG:O	1:109:B:CYS:N	19	0.12
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	3	0.12
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:5:A:CYS:O	1:107:B:ARG:N	13	0.12
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	1	0.12
(1,8)	1:10:A:ARG:N	1:13:A:VAL:O	8	0.12
(1,8)	1:10:A:ARG:N	1:13:A:VAL:O	9	0.12
(1,2)	1:4:A:VAL:O	1:19:A:TRP:N	18	0.12
(4,152)	1:3:A:ARG:H	1:110:B:ARG:HA	1	0.11
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	1	0.11
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	1	0.11
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	1	0.11
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	1	0.11
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	1	0.11
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	1	0.11
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD1	7	0.11
(4,130)	1:108:B:VAL:HG11	1:115:B:TYR:HD2	7	0.11
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD1	7	0.11
(4,130)	1:108:B:VAL:HG12	1:115:B:TYR:HD2	7	0.11
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD1	7	0.11
(4,130)	1:108:B:VAL:HG13	1:115:B:TYR:HD2	7	0.11
(4,104)	1:109:B:CYS:HA	1:114:B:CYS:HB2	11	0.11
(4,103)	1:9:A:CYS:HA	1:14:A:CYS:HB2	3	0.11
(4,89)	1:13:A:VAL:HG21	1:14:A:CYS:H	9	0.11
(4,89)	1:13:A:VAL:HG22	1:14:A:CYS:H	9	0.11
(4,89)	1:13:A:VAL:HG23	1:14:A:CYS:H	9	0.11
(4,64)	1:106:B:ILE:HB	1:117:B:ARG:H	7	0.11
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	2	0.11
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	8	0.11
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	20	0.11
(3,3)	1:9:A:CYS:SG	1:14:A:CYS:CB	18	0.11
(3,3)	1:9:A:CYS:SG	1:14:A:CYS:CB	20	0.11
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	3	0.11
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	20	0.11
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	19	0.11
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	20	0.11
(1,40)	1:9:A:CYS:N	1:103:B:ARG:O	18	0.11
(1,35)	1:7:A:ARG:H	1:105:B:CYS:O	16	0.11
(1,32)	1:7:A:ARG:O	1:105:B:CYS:N	4	0.11
(1,31)	1:7:A:ARG:O	1:105:B:CYS:H	18	0.11
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	9	0.11
(1,29)	1:5:A:CYS:H	1:107:B:ARG:O	14	0.11
(1,19)	1:110:B:ARG:H	1:113:B:VAL:O	3	0.11
(1,19)	1:110:B:ARG:H	1:113:B:VAL:O	8	0.11
(1,17)	1:108:B:VAL:O	1:115:B:TYR:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:106:B:ILE:O	1:117:B:ARG:H	10	0.11
(1,13)	1:104:B:VAL:O	1:119:B:TRP:H	18	0.11
(1,12)	1:6:A:ILE:N	1:17:A:ARG:O	15	0.11
(4,143)	1:104:B:VAL:HB	1:119:B:TRP:HE3	19	0.1
(4,90)	1:113:B:VAL:HG21	1:114:B:CYS:H	6	0.1
(4,90)	1:113:B:VAL:HG22	1:114:B:CYS:H	6	0.1
(4,90)	1:113:B:VAL:HG23	1:114:B:CYS:H	6	0.1
(4,44)	1:115:B:TYR:HE1	1:117:B:ARG:HB2	13	0.1
(4,44)	1:115:B:TYR:HE2	1:117:B:ARG:HB2	13	0.1
(3,8)	1:109:B:CYS:CB	1:114:B:CYS:SG	6	0.1
(3,8)	1:109:B:CYS:CB	1:114:B:CYS:SG	13	0.1
(3,8)	1:109:B:CYS:CB	1:114:B:CYS:SG	14	0.1
(3,7)	1:109:B:CYS:SG	1:114:B:CYS:CB	13	0.1
(3,7)	1:109:B:CYS:SG	1:114:B:CYS:CB	14	0.1
(3,7)	1:109:B:CYS:SG	1:114:B:CYS:CB	19	0.1
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	3	0.1
(3,6)	1:105:B:CYS:CB	1:118:B:CYS:SG	20	0.1
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	2	0.1
(3,5)	1:105:B:CYS:SG	1:118:B:CYS:CB	14	0.1
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	6	0.1
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	7	0.1
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	10	0.1
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	13	0.1
(3,4)	1:9:A:CYS:CB	1:14:A:CYS:SG	14	0.1
(3,3)	1:9:A:CYS:SG	1:14:A:CYS:CB	10	0.1
(3,3)	1:9:A:CYS:SG	1:14:A:CYS:CB	13	0.1
(3,3)	1:9:A:CYS:SG	1:14:A:CYS:CB	14	0.1
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	2	0.1
(3,2)	1:5:A:CYS:CB	1:18:A:CYS:SG	15	0.1
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	3	0.1
(3,1)	1:5:A:CYS:SG	1:18:A:CYS:CB	4	0.1
(2,4)	1:109:B:CYS:SG	1:114:B:CYS:SG	6	0.1
(2,4)	1:109:B:CYS:SG	1:114:B:CYS:SG	12	0.1
(1,33)	1:5:A:CYS:O	1:107:B:ARG:H	15	0.1
(1,7)	1:10:A:ARG:H	1:13:A:VAL:O	3	0.1

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

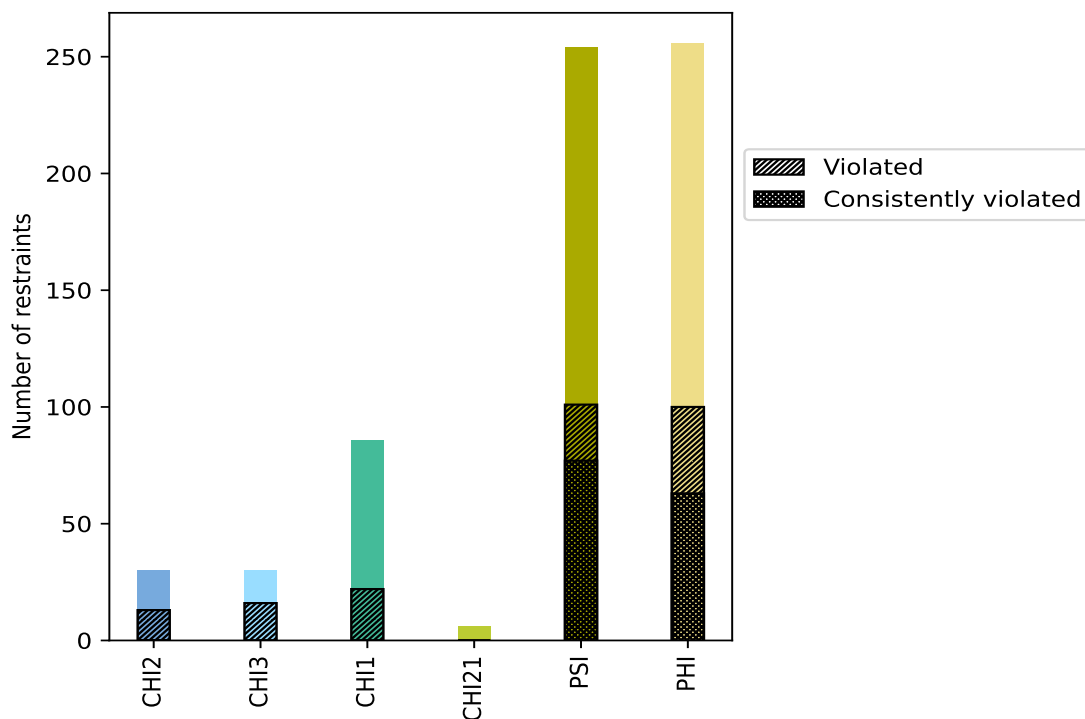
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
CHI2	30	4.5	13	43.3	2.0	0	0.0	0.0
CHI3	30	4.5	16	53.3	2.4	0	0.0	0.0
CHI1	86	13.0	22	25.6	3.3	0	0.0	0.0
CHI21	6	0.9	0	0.0	0.0	0	0.0	0.0
PSI	254	38.4	101	39.8	15.3	77	30.3	11.6
PHI	256	38.7	100	39.1	15.1	63	24.6	9.5
Total	662	100.0	252	38.1	38.1	140	21.1	21.1

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

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



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

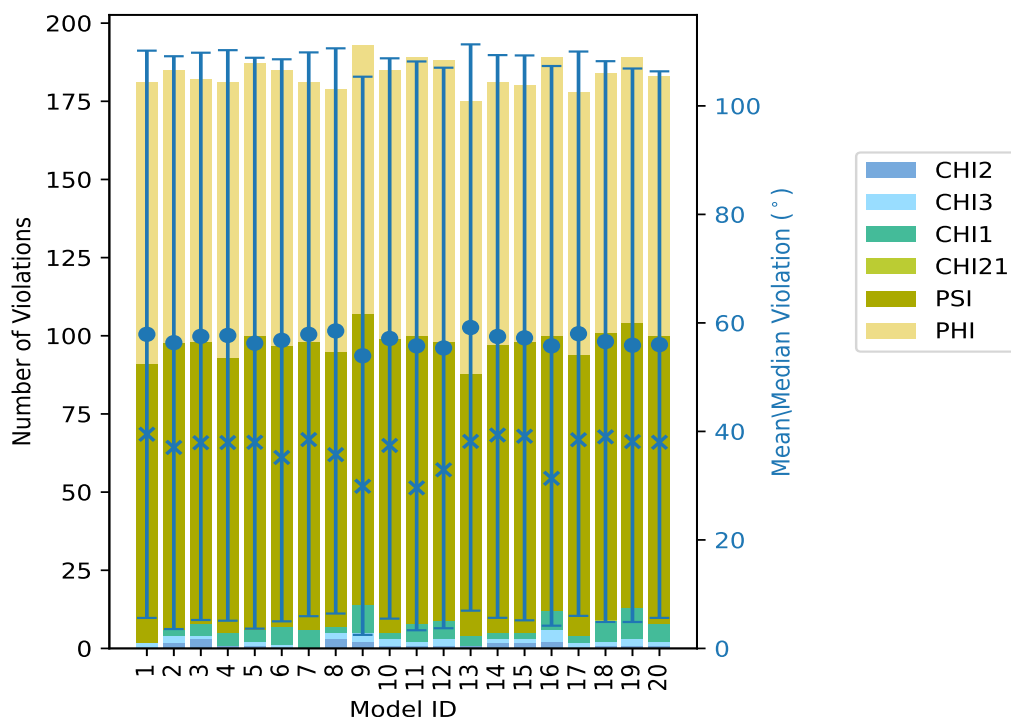
respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations							Mean (°)	Max (°)	SD (°)	Median
	CHI2	CHI3	CHI1	CHI21	PSI	PHI	Total				
1	0	2	0	0	89	90	181	57.9	171.8	52.28	39.4
2	2	2	2	0	92	87	185	56.36	171.72	52.79	37.0
3	3	1	4	0	90	84	182	57.52	171.61	52.28	37.9
4	1	0	4	0	88	88	181	57.69	171.51	52.58	37.9
5	1	1	4	0	94	87	187	56.26	171.27	52.61	38.0
6	0	1	6	0	90	88	185	56.79	169.03	51.8	35.5
7	0	0	6	0	92	83	181	57.9	171.89	51.96	38.5
8	3	2	2	0	88	84	179	58.52	170.87	52.09	35.7
9	2	3	9	0	93	86	193	53.94	171.55	51.44	29.8
10	1	2	2	0	94	86	185	57.13	170.47	51.64	37.4
11	1	1	6	0	92	89	189	55.77	171.95	52.42	29.5
12	1	2	6	0	89	90	188	55.38	168.96	51.66	32.9
13	1	0	3	0	84	87	175	59.15	171.33	52.19	38.1
14	2	1	2	0	92	84	181	57.5	168.26	51.86	39.3
15	2	1	2	0	93	82	180	57.24	171.89	52.06	39.1
16	2	4	6	0	88	89	189	55.77	169.29	51.58	31.3
17	0	2	2	0	90	84	178	58.01	171.71	52.01	38.4
18	1	1	7	0	92	83	184	56.56	170.62	51.68	39.0
19	1	2	10	0	91	85	189	55.88	170.91	51.01	38.1
20	1	1	6	0	92	83	183	56.0	168.65	50.37	38.0

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	
CHI2	CHI3	CHI1	CHI21	PSI	PHI	Total	Count ¹	%
5	9	4	0	1	4	23	1	5.0
6	3	5	0	4	4	22	2	10.0
1	2	1	0	0	0	4	3	15.0
0	2	4	0	0	0	6	4	20.0
1	0	1	0	0	1	3	5	25.0
0	0	2	0	0	1	3	6	30.0
0	0	3	0	2	1	6	7	35.0
0	0	1	0	2	1	4	8	40.0
0	0	0	0	1	0	1	9	45.0
0	0	1	0	1	0	2	10	50.0
0	0	0	0	0	4	4	11	55.0

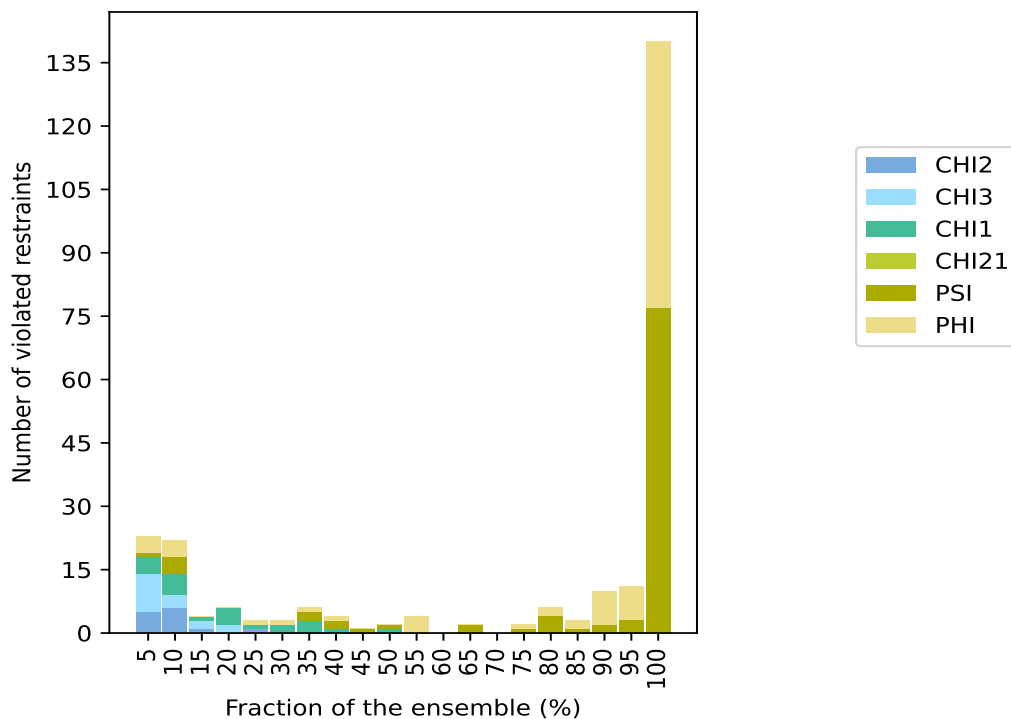
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Number of violated restraints							Fraction of the ensemble	
CHI2	CHI3	CHI1	CHI21	PSI	PHI	Total	Count ¹	%
0	0	0	0	0	0	0	12	60.0
0	0	0	0	2	0	2	13	65.0
0	0	0	0	0	0	0	14	70.0
0	0	0	0	1	1	2	15	75.0
0	0	0	0	4	2	6	16	80.0
0	0	0	0	1	2	3	17	85.0
0	0	0	0	2	8	10	18	90.0
0	0	0	0	3	8	11	19	95.0
0	0	0	0	77	63	140	20	100.0

¹ Number of models with violations

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

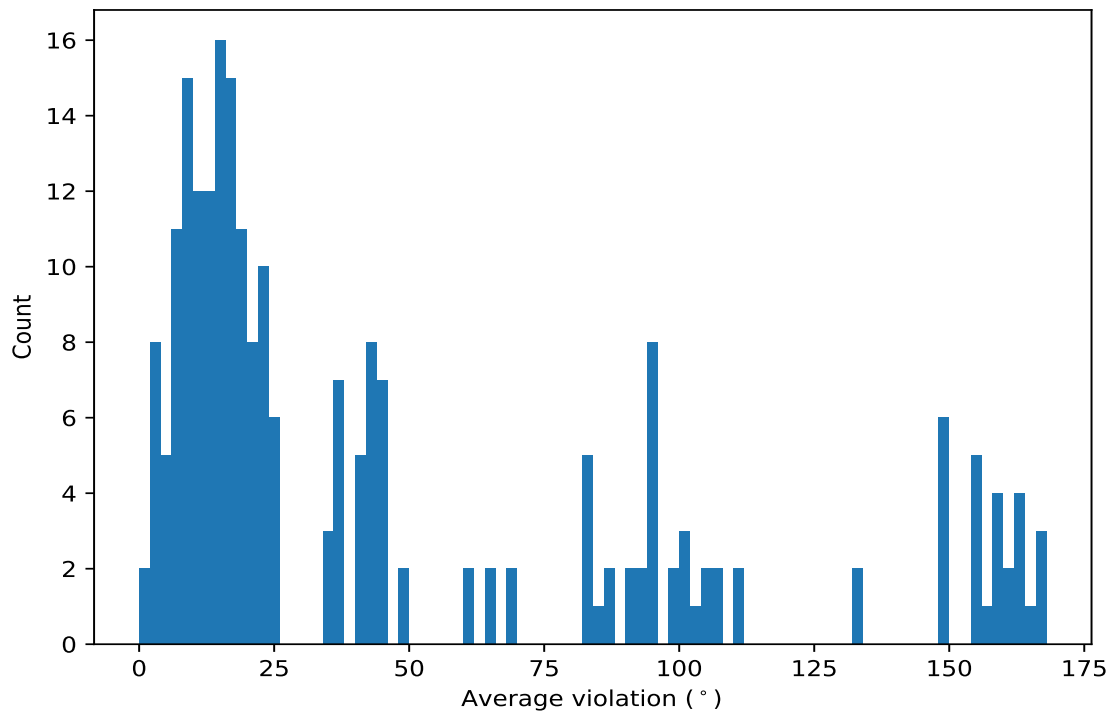


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

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

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

in the ensemble



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	20	167.12	5.47	168.7
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	20	166.31	5.77	168.7
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	20	166.18	4.99	168.5
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	20	165.27	6.25	168.1
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	20	163.01	12.45	168.2
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	20	162.81	10.21	167.3
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	20	162.77	4.27	163.5
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	20	162.67	4.96	164.0
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	20	161.03	8.42	164.2
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	20	160.84	8.82	164.3
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	20	159.39	7.19	156.3
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	158.59	6.9	157.6
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	20	158.55	6.26	156.2
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	20	158.53	7.89	154.6
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	20	156.05	5.54	155.9
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	20	155.56	5.76	155.7
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	20	155.44	6.78	153.5
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	20	155.03	6.89	153.1
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	20	154.27	9.93	154.8
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	20	154.11	10.47	155.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	20	149.58	9.01	147.9
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	20	149.31	9.03	146.6
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	20	148.78	6.55	150.3
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	20	148.73	4.07	148.5
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	20	148.71	4.39	147.3
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	20	148.53	7.08	150.1
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	20	133.89	11.09	131.5
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	20	133.45	9.89	131.5
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	20	111.94	2.57	111.4
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	20	111.73	2.41	111.4
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	20	106.29	12.74	110.4
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	20	106.27	9.66	107.2
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	20	105.76	9.69	106.9
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	20	105.67	14.34	108.6
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	20	102.11	6.43	103.0
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	20	101.77	2.52	102.0
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	20	101.56	7.58	102.8
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	20	101.13	2.61	102.0
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	20	98.9	6.88	99.3
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	20	98.64	6.79	98.0
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	20	95.66	0.57	95.7
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	20	95.59	0.56	95.2
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	20	95.11	7.47	95.8
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	20	94.73	19.34	97.6
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	20	94.64	7.29	94.3
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	20	94.17	3.19	93.9
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	20	94.15	19.59	95.4
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	20	94.13	3.27	94.1
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	20	93.37	18.75	93.0
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	20	93.34	18.72	93.3
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	20	91.48	7.86	93.8
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	20	91.09	8.1	93.6
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	20	86.75	3.87	84.4
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	20	86.43	3.56	84.1
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	20	84.04	8.04	80.0
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	20	83.77	8.63	83.1
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	20	83.43	9.14	83.4
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	20	83.37	8.33	79.1
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	20	82.7	3.75	81.0
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	20	82.0	2.69	81.1
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	20	68.41	0.56	68.7
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	20	68.34	0.57	68.2
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	20	65.18	1.96	66.0
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	20	65.12	1.74	65.0
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	20	61.48	7.53	58.3
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	20	61.38	7.19	58.2
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	20	48.81	2.17	49.3
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	20	48.69	2.05	49.3
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	20	45.98	2.51	44.4
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	20	45.96	2.67	44.1
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	20	45.95	4.85	47.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	20	45.77	4.82	47.35
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	20	45.72	5.2	47.35
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	20	45.31	4.56	46.41
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	20	44.26	5.5	45.93
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	20	43.82	5.3	44.41
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	20	42.87	2.61	41.96
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	20	42.7	3.75	41.01
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	20	42.23	2.52	41.92
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	20	42.14	6.71	43.10
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	20	42.14	7.74	43.41
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	20	42.0	2.69	41.11
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	20	41.72	4.72	40.01
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	20	41.45	5.69	40.96
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	20	41.06	5.41	41.10
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	20	40.94	4.65	39.11
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	20	37.57	13.43	43.91
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	20	37.04	12.57	43.61
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	20	36.98	7.6	37.01
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	20	36.76	4.95	38.01
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	20	36.63	5.3	38.01
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	20	36.61	11.38	33.51
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	20	36.52	7.58	36.71
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	20	35.52	8.99	34.91
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	20	35.51	9.02	34.71
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	20	34.8	9.83	35.31
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	20	25.47	7.08	23.81
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	20	25.29	4.39	26.21
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	20	25.27	4.07	25.41
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	20	25.22	6.55	23.51
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	20	24.69	9.03	27.31
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	20	24.42	9.01	26.01
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	20	22.53	4.02	23.51
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	20	22.46	4.11	23.61
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	20	22.38	4.69	24.01
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	20	22.23	4.38	23.81
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	20	22.0	2.69	22.81
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	20	21.48	7.53	18.31
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	20	21.38	7.19	18.21
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	20	21.3	3.75	22.91
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	20	20.57	9.14	20.51
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	20	20.23	8.63	20.81
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	20	19.96	8.04	23.91
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	20	19.89	10.47	18.41
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	20	19.73	9.93	19.11
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	20	18.88	1.74	18.91
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	20	18.82	1.96	17.91
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	20	18.44	5.76	18.21
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	20	17.95	5.54	18.01
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	17.73	6.1	17.01
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	20	17.68	5.24	18.91
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	20	17.56	3.56	19.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	20	17.5	5.44	19.1
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	20	17.25	3.87	19.5
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	20	17.23	5.06	15.7
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	20	17.1	4.62	16.2
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	20	16.66	5.83	14.6
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	20	15.83	5.08	15.9
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	20	15.17	4.92	15.7
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	20	14.64	5.33	13.5
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	20	14.33	5.65	13.1
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	20	11.33	4.96	10.0
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	20	11.23	4.27	10.4
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	20	9.87	3.27	9.88
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	20	9.83	3.19	10.0
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	20	8.73	4.07	8.53
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	20	8.41	0.56	8.76
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	20	8.34	0.57	8.3
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	20	2.58	0.53	2.88
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	20	2.5	0.47	2.58
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	19	41.4	9.42	42.8
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	19	21.75	6.91	24.8
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	19	19.77	6.09	21.1
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	19	19.36	5.98	20.7
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	19	18.1	6.23	18.6
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	19	15.85	6.79	17.0
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	19	15.62	6.38	18.1
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	19	14.69	7.52	17.6
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	19	13.59	7.73	10.7
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	19	13.19	7.48	10.1
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	19	9.2	3.92	7.94
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	18	42.94	6.88	44.0
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	18	19.89	4.67	19.8
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	18	16.59	7.52	20.0
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	18	15.67	6.51	16.6
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	18	15.56	6.83	17.5
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	18	10.7	3.33	11.5
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	18	10.62	3.4	10.3
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	18	7.05	4.79	6.9
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	18	6.88	5.92	5.51
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	18	3.26	2.4	2.13
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	17	11.4	7.19	8.82
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	17	11.23	7.41	8.87
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	17	7.12	4.89	5.46
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	16	17.3	8.18	20.0
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	16	15.97	11.18	14.4
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	16	11.94	5.71	10.2
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	16	11.31	6.33	9.72
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	16	8.6	6.11	6.04
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	16	3.01	2.05	2.13
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	15	18.2	7.62	20.0
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	15	16.34	11.32	16.8
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	13	22.1	11.86	21.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	13	22.09	11.88	20.72
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	11	13.97	15.78	6.08
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	11	13.3	12.77	6.51
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	11	7.45	3.15	9.18
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	11	7.42	3.36	8.98
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	10	10.71	11.13	2.37
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	10	8.26	6.24	6.62
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	9	7.25	5.25	8.84
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	8	13.65	7.73	16.6
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	8	12.38	10.75	10.0
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	8	12.25	3.32	12.5
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	8	9.06	7.97	4.51
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	7	23.56	3.98	23.2
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	7	22.02	5.2	23.3
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	7	9.21	6.34	6.82
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	7	8.4	6.51	5.52
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	7	7.51	3.97	6.56
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	7	5.78	4.93	2.05
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	6	21.38	4.83	23.3
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	6	20.61	8.88	23.7
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	6	7.04	2.79	7.68
(1,143)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	5	12.02	4.88	11.7
(1,623)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	5	8.38	1.32	8.7
(1,62)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:CB	1:5:A:CYS:SG	5	6.35	1.21	6.33
(1,50)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	4	17.17	9.47	19.0
(1,152)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:CB	1:110:B:ARG:CG	4	16.45	8.34	17.6
(1,119)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:CB	1:103:B:ARG:CG	4	15.87	8.99	17.2
(1,83)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:CB	1:10:A:ARG:CG	4	15.22	8.22	15.0
(1,172)	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	1:116:B:ARG:NE	4	15.17	3.95	15.1
(1,146)	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	1:107:B:ARG:NE	4	10.19	11.45	4.76
(1,79)	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	1:7:A:ARG:NE	3	22.11	10.21	28.7
(1,103)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	3	11.7	6.85	13.5
(1,182)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:CB	1:118:B:CYS:SG	3	10.85	8.48	5.33
(1,55)	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	1:3:A:ARG:CD	3	2.52	0.86	2.14
(1,101)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	2	17.64	9.48	17.6
(1,92)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:CB	1:15:A:TYR:CG	2	14.98	0.9	14.9
(1,349)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	2	14.8	5.74	14.8
(1,161)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:CB	1:115:B:TYR:CG	2	14.8	0.27	14.8
(1,573)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	2	13.72	4.82	13.7
(1,91)	1:10:A:ARG:CB	1:10:A:ARG:CG	1:10:A:ARG:CD	1:10:A:ARG:NE	2	13.16	10.57	13.1
(1,125)	1:103:B:ARG:CB	1:103:B:ARG:CG	1:103:B:ARG:CD	1:103:B:ARG:NE	2	13.1	11.6	13.1
(1,98)	1:16:A:ARG:CA	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	2	12.24	11.0	12.2
(1,116)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	2	9.32	1.34	9.32
(1,113)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:CB	1:18:A:CYS:SG	2	9.3	1.17	9.3
(1,76)	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	2	9.24	4.32	9.24
(1,47)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	2	7.12	5.74	7.12
(1,176)	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	1:117:B:ARG:CD	2	6.47	2.48	6.47
(1,167)	1:116:B:ARG:CA	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	2	5.43	1.93	5.43
(1,519)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	2	4.33	1.39	4.33
(1,354)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	2	4.06	0.0	4.06
(1,358)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	2	4.06	0.0	4.06

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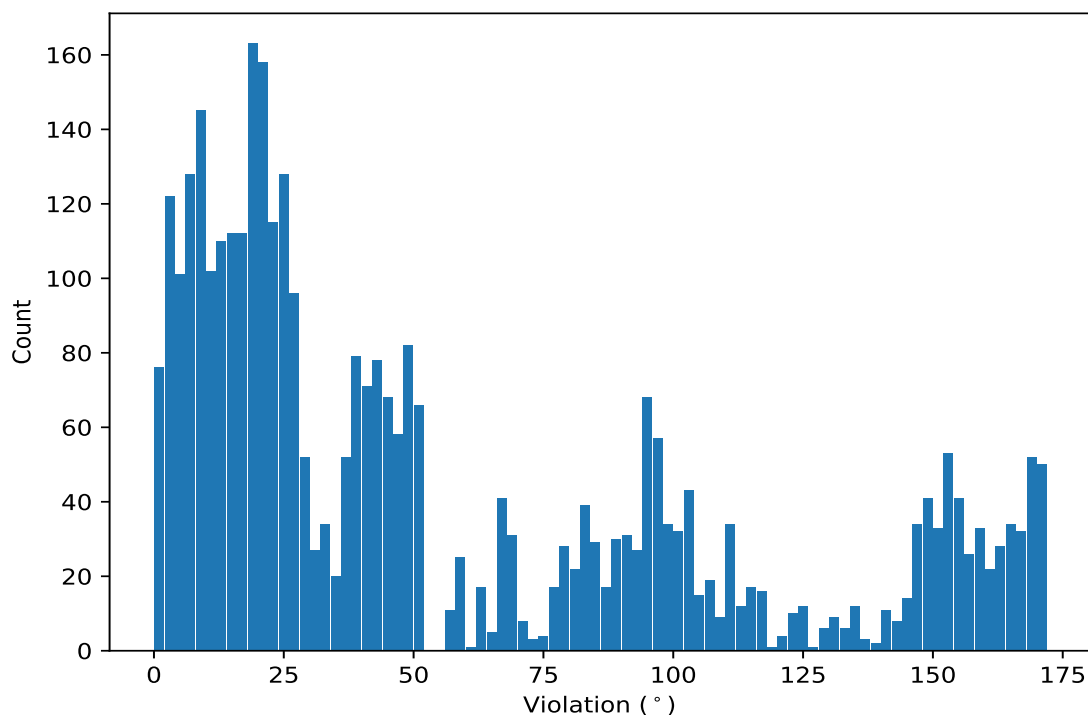
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Media
(1,74)	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	2	3.1	1.28	3.1
(1,107)	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	1:17:A:ARG:CD	2	2.6	0.62	2.6
(1,295)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	2	2.44	0.16	2.44
(1,578)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	2	1.97	0.5	1.97
(1,582)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	2	1.97	0.5	1.97

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 (°)
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	11	171.95
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	15	171.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	7	171.89
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1	171.8
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	11	171.77
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	2	171.72
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	17	171.71
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	3	171.61
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	2	171.61
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	11	171.57
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	9	171.55
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	2	171.55
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	4	171.51
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	11	171.44
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	2	171.42
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	13	171.33
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	5	171.27
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1	171.25
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	11	171.21
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	2	171.17
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	9	171.16
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	13	171.13
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	3	171.04
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	2	170.93
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	11	170.91
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	19	170.91
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	2	170.89
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	8	170.87
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	8	170.74
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1	170.69
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	18	170.62
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	4	170.59
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	5	170.56
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	5	170.55
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	18	170.53
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	7	170.51
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	10	170.47
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	3	170.44
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	2	170.38
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	18	170.34
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	15	170.31
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	5	170.23
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	9	170.16
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	8	170.13
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	13	170.12
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	15	170.09
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	2	170.09
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	2	170.05
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	13	170.02
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	13	170.01
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	8	169.95
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	13	169.92
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	3	169.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	13	169.88
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	18	169.85
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	15	169.77
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1	169.74
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	9	169.74
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	15	169.72
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	5	169.68
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	10	169.62
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	19	169.54
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	8	169.52
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	15	169.48
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	8	169.44
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	13	169.41
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1	169.34
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	19	169.31
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	16	169.29
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	9	169.25
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	8	169.23
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	8	169.18
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	3	169.15
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	10	169.12
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	11	169.11
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	6	169.03
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	8	169.03
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	7	168.96
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	12	168.96
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	3	168.95
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	8	168.93
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	6	168.9
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	6	168.86
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	5	168.84
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	16	168.84
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	19	168.81
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	20	168.65
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	7	168.59
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	11	168.55
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	18	168.54
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	18	168.53
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	5	168.53
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	6	168.51
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	4	168.49
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	10	168.43
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	15	168.42
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	14	168.26
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	14	168.26
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	4	168.18
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	17	168.18
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	12	168.14
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	14	168.08
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	14	167.98
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	16	167.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	7	167.92
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	20	167.79
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	6	167.75
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	7	167.65
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	7	167.49
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	20	167.44
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1	167.36
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	4	167.35
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	10	167.32
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	10	167.3
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	14	167.27
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	10	167.25
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	6	167.24
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	14	167.11
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	4	167.07
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	10	166.93
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	16	166.9
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	20	166.86
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	20	166.86
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	3	166.84
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	10	166.8
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	5	166.78
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	7	166.75
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	6	166.64
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	2	166.58
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	5	166.52
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	17	166.42
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	6	166.34
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	12	166.21
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	19	166.09
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	19	165.88
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	2	165.86
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	13	165.8
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	17	165.77
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	4	165.68
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	14	165.67
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	17	165.59
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	5	165.56
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	10	165.48
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1	165.39
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1	165.3
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	19	165.3
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	17	165.27
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	13	165.25
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	5	165.24
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	6	165.23
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	12	165.18
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	3	165.13
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	14	165.08
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	7	164.98
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	4	164.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	5	164.87
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	6	164.87
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	16	164.82
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	4	164.77
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	4	164.58
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	15	164.5
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	18	164.46
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	17	164.29
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	12	164.2
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	3	164.07
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	11	164.06
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	3	164.01
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	17	164.0
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	5	163.99
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	17	163.98
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	5	163.98
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	14	163.95
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	12	163.8
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	20	163.71
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	11	163.7
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	14	163.55
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	18	163.55
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	19	163.55
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	20	163.54
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	7	163.51
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	5	163.29
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	20	163.28
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	18	163.27
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	16	163.07
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1	163.02
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	16	163.02
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	19	162.94
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	5	162.86
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	14	162.65
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	6	162.58
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	3	162.57
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	8	162.52
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	14	162.44
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1	162.3
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	3	162.28
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	7	162.1
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	13	161.9
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	12	161.84
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	18	161.7
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	20	161.66
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	5	161.22
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	19	161.2
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	8	161.08
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	10	161.08
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	19	161.03
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	6	160.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	6	160.75
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	14	160.65
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	18	160.54
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	6	160.52
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	13	160.42
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	20	160.32
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	4	160.25
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	6	160.24
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	9	160.23
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	10	160.11
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	16	160.07
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	16	160.07
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	19	159.99
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	9	159.94
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	4	159.92
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	14	159.9
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	17	159.84
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	20	159.7
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	10	159.7
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1	159.68
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	9	159.63
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	2	159.6
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	14	159.57
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	8	159.44
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	14	159.41
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	6	159.36
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	9	159.35
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	2	159.34
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	20	159.33
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	10	159.3
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	4	159.26
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	16	159.21
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	18	159.03
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1	158.97
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	4	158.78
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	16	158.76
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	17	158.65
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	12	158.48
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	20	158.45
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	6	158.4
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	20	158.34
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	4	158.33
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	6	158.33
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	12	158.23
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	5	158.0
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	7	157.84
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	8	157.61
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	4	157.61
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	12	157.59
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	4	157.55
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	10	157.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	7	157.34
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	16	157.33
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	9	157.08
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	10	157.05
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	10	157.03
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	17	156.99
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	15	156.95
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	9	156.76
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	18	156.69
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	20	156.63
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	12	156.6
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	4	156.47
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	10	156.34
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	19	156.33
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	8	156.32
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	7	156.14
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	13	156.13
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	19	156.12
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	10	156.05
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	156.01
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	9	155.98
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	10	155.94
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	3	155.93
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	10	155.87
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	13	155.85
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	10	155.73
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	12	155.54
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	7	155.54
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	3	155.52
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	9	155.51
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	7	155.46
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	8	155.4
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	5	155.31
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	16	155.15
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	15	155.14
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	20	155.04
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	14	155.01
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	18	154.99
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	7	154.94
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	19	154.9
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1	154.9
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	10	154.84
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	7	154.77
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	15	154.76
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	14	154.74
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1	154.73
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	11	154.71
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	19	154.57
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1	154.57
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	16	154.55
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	14	154.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	15	154.51
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	5	154.42
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	9	154.41
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	19	154.36
(1,611)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	17	154.35
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	6	154.32
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	5	154.11
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	5	154.08
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	11	154.06
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	4	154.05
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	16	153.89
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	15	153.87
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	10	153.87
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	10	153.86
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	16	153.84
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1	153.82
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	15	153.82
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	20	153.81
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	20	153.75
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	7	153.74
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	9	153.73
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	6	153.7
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	4	153.7
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	18	153.57
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	4	153.52
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	11	153.49
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1	153.47
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	14	153.46
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	2	153.46
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	8	153.41
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	2	153.39
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	17	153.37
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	4	153.32
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	4	153.22
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1	153.21
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	16	153.21
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	8	153.2
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	14	153.17
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1	153.14
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	19	153.04
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	12	153.04
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	18	153.03
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	16	152.91
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1	152.89
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	7	152.86
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	14	152.84
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	18	152.79
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	11	152.79
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	16	152.69
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1	152.68
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	7	152.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,555)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	8	152.47
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	13	152.47
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	17	152.42
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	12	152.38
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	19	152.38
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	5	152.33
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	12	152.32
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	12	152.3
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	18	152.23
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	4	152.19
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	17	152.09
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1	152.03
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	10	151.96
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	7	151.96
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	20	151.89
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	13	151.89
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	17	151.87
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	18	151.82
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	2	151.82
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	16	151.72
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	13	151.65
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	16	151.62
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	11	151.61
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	17	151.55
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	2	151.54
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	4	151.51
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	14	151.44
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	19	151.39
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	17	151.38
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	4	151.34
(1,387)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	18	151.13
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	3	151.11
(1,471)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	8	151.08
(1,219)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	11	150.91
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	11	150.82
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	3	150.81
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	11	150.74
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	7	150.7
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	17	150.64
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	13	150.62
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	16	150.43
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	3	150.26
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	20	150.19
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	11	150.09
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	19	150.03
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	13	149.95
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	5	149.93
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	18	149.84
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	7	149.78
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	11	149.61
(1,443)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	14	149.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	3	149.46
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	20	149.45
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	12	149.43
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	3	149.36
(1,331)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	8	149.15
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	2	149.06
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	9	149.05
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	9	149.05
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1	149.02
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	17	148.99
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1	148.98
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	12	148.97
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	9	148.93
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	2	148.89
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	2	148.87
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	9	148.83
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	2	148.82
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	13	148.75
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	12	148.73
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	15	148.67
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	15	148.66
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	19	148.52
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	13	148.49
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	15	148.49
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	18	148.46
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	15	148.34
(1,429)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	11	148.25
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	17	148.2
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	17	148.17
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	12	148.14
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	11	148.13
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	16	148.12
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	3	148.09
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	9	148.02
(1,261)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	19	148.01
(1,485)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	15	147.98
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	3	147.95
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	16	147.94
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	2	147.79
(1,205)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	13	147.76
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	3	147.74
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	2	147.72
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	11	147.65
(1,457)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	3	147.58
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	13	147.48
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	13	147.45
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	6	147.39
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	2	147.38
(1,625)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	2	147.35
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	12	147.28
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	15	147.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	9	147.2
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	17	147.12
(1,401)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	3	147.11
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	9	147.06
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	11	146.86
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	6	146.85
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	12	146.83
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	3	146.76
(1,247)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	8	146.75
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	9	146.73
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	13	146.59
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	6	146.52
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	15	146.36
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	3	146.34
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	6	146.31
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	15	146.3
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1	146.04
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	15	146.0
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	13	145.99
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	15	145.95
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	17	145.83
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	9	145.76
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	8	145.69
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	12	145.66
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	9	145.59
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1	145.56
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	2	145.28
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	9	145.26
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	2	145.22
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	17	145.17
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	8	144.61
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	8	144.61
(1,233)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	19	143.99
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	12	143.96
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	12	143.66
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	8	143.23
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	14	142.65
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	12	142.6
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	18	142.55
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	14	142.23
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	5	141.8
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	18	141.67
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	5	141.48
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	6	141.32
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	20	141.21
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	6	141.07
(1,275)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	20	141.03
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	8	140.86
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	8	140.23
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	7	140.17
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	7	140.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,499)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	18	139.3
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	17	138.37
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	17	136.94
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	3	136.24
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	16	136.01
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	3	135.89
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	7	135.74
(1,415)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	19	135.51
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	16	135.34
(1,191)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	19	135.31
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	7	135.0
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	10	134.97
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	11	134.77
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	18	134.46
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	10	134.27
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	11	134.06
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	15	134.05
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	11	133.98
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	15	133.78
(1,597)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	15	133.76
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	15	133.28
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	11	132.47
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	12	132.23
(1,373)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	15	131.97
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	19	131.88
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	18	131.72
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	15	131.47
(1,289)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	20	131.4
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	12	131.18
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	20	131.06
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	19	130.84
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	5	130.78
(1,359)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	20	129.82
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	5	129.04
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	6	128.75
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	16	128.59
(1,513)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	18	128.28
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	6	128.0
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	16	127.43
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	18	125.64
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	18	125.27
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	9	125.02
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	2	125.01
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	2	124.97
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	15	124.86
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	14	124.82
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	13	124.81
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	9	124.69
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	14	124.26
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	9	124.25
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	15	124.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	11	123.6
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	11	123.31
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	13	123.3
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1	123.16
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1	123.08
(1,569)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	4	123.06
(1,345)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	4	123.04
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	11	122.88
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	11	122.83
(1,583)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	20	122.24
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	6	121.53
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	9	120.58
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	6	120.54
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	17	120.04
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	7	118.03
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	3	117.77
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	13	117.72
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	12	117.68
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	5	117.62
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	3	117.61
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	20	117.32
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	13	117.29
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	17	117.15
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	18	117.03
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	12	116.94
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	4	116.85
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	20	116.75
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1	116.7
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	19	116.58
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	5	116.51
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	19	116.32
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	16	115.66
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	11	115.15
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	4	115.11
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	4	115.09
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	8	115.07
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	3	114.97
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	3	114.78
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	4	114.73
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1	114.55
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	16	114.41
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	11	114.41
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	16	114.28
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	13	114.08
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	8	114.07
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	7	114.05
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	18	114.05
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	13	114.03
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	16	113.85
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	4	113.83
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	4	113.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	16	113.47
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	17	112.95
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	20	112.94
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	14	112.67
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	16	112.65
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	7	112.64
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	10	112.27
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	11	112.21
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	11	112.08
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	10	111.96
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	10	111.9
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	5	111.84
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	10	111.74
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	14	111.69
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	17	111.69
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	19	111.53
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	7	111.49
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	16	111.49
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	19	111.48
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	6	111.42
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	3	111.41
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	12	111.16
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	12	111.14
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	12	111.11
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	13	111.1
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	12	111.06
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	3	110.99
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	16	110.98
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	2	110.97
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	13	110.91
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	12	110.8
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	2	110.8
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	1	110.71
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	5	110.68
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	1	110.66
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	14	110.32
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	19	110.31
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	15	110.22
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	20	110.11
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	14	110.08
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	6	110.06
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	17	110.05
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	6	110.0
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	15	109.95
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	6	109.76
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	9	109.69
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	1	109.44
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	1	109.24
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	13	108.86
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	12	108.8
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	9	108.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	8	108.1
(1,541)	1:112:B:GLY:C	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	8	107.91
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	7	107.7
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	8	107.38
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	12	107.22
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	7	107.1
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	9	106.94
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	11	106.89
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	17	106.88
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	1	106.65
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	20	106.63
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	4	106.58
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	8	106.57
(1,317)	1:12:A:GLY:C	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	8	106.53
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	18	106.42
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	8	106.4
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	13	106.33
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	20	106.33
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	11	106.16
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	16	106.06
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	4	105.93
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	6	105.93
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	4	105.48
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	1	105.41
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	3	105.26
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	6	105.25
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	4	105.14
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	19	105.12
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	19	104.69
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	16	104.67
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	3	104.35
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	13	104.25
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	14	104.12
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	18	104.1
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	13	104.08
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	14	103.77
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	13	103.69
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	13	103.59
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	15	103.49
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	15	103.45
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	8	103.41
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	17	103.34
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	1	103.27
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	13	103.26
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	2	103.1
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	18	103.09
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	2	103.07
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	13	103.07
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	17	103.06
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	15	103.02
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	8	103.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	7	102.77
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	19	102.74
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	19	102.71
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	2	102.68
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	2	102.62
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	16	102.61
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	1	102.59
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	5	102.58
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	1	102.57
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	6	102.51
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	3	102.48
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	15	102.48
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	12	102.46
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	7	102.45
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	4	102.44
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	14	102.44
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	19	102.42
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	16	102.38
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	18	102.35
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	6	102.33
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	17	102.31
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	18	102.28
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	17	102.24
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	5	102.23
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	13	102.17
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	12	102.16
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	14	102.01
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	9	101.94
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	10	101.91
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	9	101.88
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	16	101.86
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	14	101.85
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	12	101.83
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	15	101.66
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	14	101.66
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	7	101.55
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	1	101.53
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	11	101.44
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	15	101.32
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	10	101.25
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	14	101.24
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	5	101.12
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	4	100.95
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	3	100.94
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	2	100.83
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	2	100.78
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	11	100.63
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	5	100.56
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	11	100.54
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	7	100.39
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	12	100.33

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	13	100.27
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	4	100.19
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	15	100.11
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	9	100.09
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	4	100.08
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	17	100.04
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	18	100.01
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	14	100.0
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	11	99.98
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	9	99.97
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	16	99.94
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	6	99.87
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	19	99.73
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	6	99.68
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	17	99.64
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	15	99.58
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	9	99.52
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	5	99.45
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	20	99.36
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	1	99.32
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	11	99.19
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	5	99.19
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	1	99.17
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	13	99.13
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	9	99.1
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	16	99.09
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	3	99.03
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	18	99.02
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	12	98.72
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	18	98.67
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	9	98.6
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	4	98.54
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	6	98.48
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	9	98.43
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	19	98.36
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	16	98.35
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	16	98.15
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	11	98.13
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	15	98.12
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	2	98.09
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	2	98.08
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	15	98.0
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	20	97.97
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	17	97.92
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	11	97.88
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	19	97.88
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	14	97.82
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	4	97.74
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	18	97.72
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	1	97.72
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	6	97.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	1	97.68
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	14	97.68
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	12	97.68
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	4	97.68
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	3	97.51
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	3	97.48
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	18	97.4
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	11	97.29
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	17	97.18
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	2	97.14
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	3	97.13
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	4	97.13
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	12	97.13
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	19	97.09
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	18	97.07
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	2	96.97
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	19	96.93
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	11	96.79
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	19	96.75
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	3	96.68
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	3	96.68
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	7	96.64
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	18	96.6
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	11	96.59
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	7	96.54
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	9	96.47
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	9	96.46
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	5	96.31
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	20	96.3
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	7	96.3
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	7	96.27
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	9	96.26
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	16	96.25
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1	96.25
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	3	96.25
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	11	96.24
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	7	96.23
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	4	96.22
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	10	96.21
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	2	96.21
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	11	96.21
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	3	96.2
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	12	96.17
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	18	96.17
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	12	96.16
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	2	96.15
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	18	96.13
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	20	96.04
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	8	95.89
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	10	95.81
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	19	95.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	10	95.79
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	16	95.73
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	17	95.73
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	20	95.66
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	13	95.66
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	12	95.65
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	1	95.61
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	7	95.56
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	8	95.55
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	10	95.51
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	8	95.31
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	9	95.29
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	16	95.29
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	7	95.26
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	4	95.26
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1	95.25
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	19	95.23
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	14	95.21
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	14	95.2
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	10	95.2
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	13	95.19
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	3	95.16
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	13	95.15
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	16	95.15
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	6	95.14
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	6	95.12
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	17	95.11
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	10	95.1
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	19	95.09
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	8	95.08
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	20	95.07
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	17	95.07
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	15	95.05
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	9	95.02
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	5	95.02
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	10	95.01
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	14	94.95
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	15	94.89
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	15	94.89
(1,529)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	8	94.77
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	3	94.76
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	10	94.74
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	15	94.72
(1,305)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	8	94.68
(1,482)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	2	94.67
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	15	94.57
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	9	94.53
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	5	94.5
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	7	94.49
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	12	94.48
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	8	94.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	5	94.39
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	8	94.35
(1,258)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	2	94.33
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	15	94.29
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	10	94.25
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	8	94.25
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	12	94.21
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	1	94.16
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	6	94.13
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	1	94.13
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	1	94.1
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	6	94.07
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	11	94.03
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	16	94.02
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	12	93.98
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	4	93.95
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	3	93.94
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	14	93.85
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	5	93.84
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	1	93.57
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	19	93.45
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	4	93.37
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	3	93.36
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	12	93.36
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	9	93.32
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	11	93.3
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	19	93.29
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	9	93.17
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	1	93.13
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	5	93.11
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	3	93.11
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	9	93.09
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	20	93.07
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	1	92.84
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	3	92.8
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	8	92.73
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	1	92.67
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	17	92.6
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	12	92.44
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	17	92.24
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	7	92.08
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	5	91.97
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	17	91.88
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	5	91.84
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	6	91.84
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	5	91.82
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	12	91.72
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	5	91.64
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	17	91.62
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	12	91.46
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	10	91.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	17	91.41
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	18	91.4
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	10	91.24
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	9	91.22
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	6	91.09
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	10	91.01
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	14	91.0
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	18	90.86
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	7	90.81
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	9	90.6
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	10	90.6
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	13	90.59
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	5	90.56
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	12	90.53
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	5	90.51
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	17	90.48
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	16	90.34
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	16	90.22
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	19	90.17
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	5	90.16
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	10	90.06
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	16	89.91
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	6	89.77
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	14	89.69
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	8	89.59
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	17	89.59
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	13	89.44
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	16	89.43
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	11	89.35
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	8	89.28
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	2	89.23
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	20	89.19
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	14	89.16
(1,286)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	16	89.16
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	18	88.98
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	11	88.9
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	6	88.82
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	2	88.8
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	14	88.74
(1,510)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	7	88.73
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	7	88.63
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	18	88.61
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	15	88.43
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	20	88.42
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	9	88.4
(1,566)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	19	88.38
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	18	88.35
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	8	88.32
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	5	88.15
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	13	88.06
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	15	88.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	7	87.97
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	6	87.79
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	15	87.75
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	15	87.6
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	3	87.5
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	18	87.34
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	3	87.28
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	7	87.21
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	8	87.11
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	3	87.1
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	9	86.89
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	8	86.71
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	7	86.49
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	7	86.44
(1,230)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	18	86.43
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	18	86.05
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	8	86.01
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	8	85.97
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	10	85.88
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	9	85.82
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	3	85.58
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	13	85.58
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	8	85.54
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	16	85.4
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	10	85.36
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	6	85.13
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	17	85.0
(1,440)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	10	84.85
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	9	84.72
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	7	84.62
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	12	84.56
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	17	84.52
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	5	84.5
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	10	84.44
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	6	84.4
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	9	84.38
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	10	84.37
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	17	84.3
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	2	84.2
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	4	84.12
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	19	84.11
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	19	84.09
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	12	84.09
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	2	84.09
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	1	84.03
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	6	84.0
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	16	83.97
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	17	83.97
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	14	83.96
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	10	83.95
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	14	83.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	4	83.94
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	7	83.93
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	1	83.92
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	5	83.9
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	18	83.8
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	20	83.78
(1,314)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	20	83.7
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	13	83.68
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	9	83.68
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	5	83.67
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	20	83.64
(1,538)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	18	83.63
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	19	83.57
(1,342)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	19	83.51
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	19	83.41
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	13	83.38
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	20	83.28
(1,454)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	20	83.22
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	17	83.06
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	16	82.93
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	2	82.87
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	2	82.6
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	3	82.59
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	2	82.54
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	11	82.51
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	20	82.38
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	20	82.37
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	2	82.35
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	2	82.3
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	2	82.29
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	11	82.25
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	1	82.16
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	12	82.07
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	1	82.01
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	3	81.83
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	15	81.83
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	2	81.79
(1,216)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	7	81.78
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	12	81.71
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	5	81.62
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	11	81.57
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	2	81.53
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	5	81.33
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	15	81.31
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	11	81.3
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	12	81.26
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	19	80.93
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	17	80.79
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	7	80.46
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	3	80.39
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	16	80.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	4	80.27
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	14	80.17
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	1	80.1
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	10	80.04
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	10	80.0
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	16	79.96
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	19	79.95
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	7	79.94
(1,384)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	20	79.94
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	1	79.92
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	4	79.9
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	14	79.88
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	14	79.88
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	5	79.85
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	14	79.74
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	6	79.71
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	20	79.47
(1,608)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	20	79.45
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	13	79.34
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	14	79.33
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	20	79.22
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	20	79.15
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	9	79.12
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	4	79.11
(1,496)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	18	79.03
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	20	79.03
(1,272)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	18	78.98
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	4	78.95
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	17	78.87
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	13	78.44
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	14	78.24
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	6	78.2
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	4	78.09
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	4	77.95
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	11	77.91
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	3	77.88
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	11	77.82
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	6	77.79
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	15	77.76
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	15	77.52
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	10	77.41
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	7	77.14
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	2	77.04
(1,552)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	20	77.02
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	2	77.01
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	9	77.0
(1,370)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	10	77.0
(1,594)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	17	76.88
(1,328)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	20	76.74
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	6	76.51
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	4	75.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	4	75.62
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	14	74.78
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	8	74.31
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	5	73.98
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	8	73.87
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	14	73.75
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	5	71.9
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	13	71.88
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	13	71.78
(1,188)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	8	71.72
(1,412)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	8	71.3
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	13	71.03
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	18	70.69
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	13	70.4
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	15	69.84
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	15	69.72
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	8	69.32
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	6	69.27
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	8	69.23
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	15	69.11
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	9	68.98
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	5	68.98
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	15	68.95
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	17	68.93
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	19	68.91
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	17	68.89
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	6	68.88
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	6	68.86
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	13	68.85
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	16	68.85
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	13	68.81
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	14	68.8
(1,468)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	6	68.8
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	10	68.8
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	14	68.79
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	19	68.77
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1	68.75
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	7	68.74
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	4	68.74
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	14	68.57
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	10	68.45
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	8	68.28
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	20	68.24
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	14	68.2
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	10	68.1
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	20	67.96
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	18	67.87
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	2	67.85
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	12	67.84
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	12	67.83
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	18	67.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	3	67.8
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	10	67.79
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	2	67.79
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	11	67.79
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	4	67.78
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	7	67.77
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	11	67.76
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	16	67.75
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	20	67.75
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1	67.75
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	3	67.75
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	18	67.74
(1,299)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	9	67.74
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	20	67.7
(1,523)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	5	67.69
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	18	67.41
(1,398)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	19	67.24
(1,622)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	19	67.11
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	4	66.89
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	11	66.86
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	11	66.83
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	12	66.8
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	8	66.79
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	3	66.76
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	7	66.76
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	1	66.74
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	2	66.73
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	2	66.73
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	10	66.66
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	16	66.64
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	12	66.64
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	3	66.62
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	10	66.4
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	5	66.26
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	9	66.26
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	4	65.92
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	1	65.85
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	10	64.84
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	14	64.23
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	10	64.01
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	19	63.89
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	19	63.82
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	7	63.8
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	14	63.78
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	17	63.77
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	13	63.53
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	16	63.52
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	13	63.49
(1,244)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	18	63.4
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	5	63.37
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	6	63.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	6	63.18
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	17	63.15
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	15	63.04
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	15	62.89
(1,302)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	8	62.27
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	8	62.16
(1,526)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	9	61.65
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	6	59.53
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	1	59.48
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	11	59.25
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	16	59.01
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	1	58.99
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	11	58.98
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	19	58.87
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	13	58.79
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	7	58.5
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	5	58.47
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	6	58.24
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	12	58.24
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	13	58.16
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	12	58.14
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	9	58.13
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	19	58.13
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	17	58.07
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	4	58.05
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	4	58.03
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	16	58.03
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	20	58.03
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	7	58.02
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	5	58.0
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	20	58.0
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	15	58.0
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	15	57.99
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	2	57.95
(1,426)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	3	57.94
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	2	57.94
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	3	57.91
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	18	57.87
(1,580)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	20	57.85
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	9	57.84
(1,202)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	17	57.81
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	18	57.69
(1,356)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	20	57.65
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	5	51.97
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	7	51.92
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	17	51.88
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	5	51.84
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	6	51.84
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	5	51.82
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	20	51.76
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	17	51.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	12	51.72
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	5	51.64
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	17	51.62
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	12	51.56
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	12	51.46
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	10	51.42
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	17	51.41
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	17	51.4
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	18	51.4
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	1	51.33
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	8	51.27
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	10	51.24
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	9	51.22
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	3	51.2
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	1	51.16
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	6	51.09
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	10	51.01
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	14	51.0
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	4	50.96
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	4	50.94
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	20	50.93
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1	50.92
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	9	50.91
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	5	50.89
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	3	50.89
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	1	50.87
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	18	50.86
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1	50.84
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	9	50.83
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	7	50.81
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	19	50.71
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	13	50.7
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	11	50.7
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	11	50.69
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	9	50.68
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	3	50.64
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	12	50.64
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	4	50.63
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	9	50.6
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	10	50.6
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	13	50.59
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	5	50.56
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	19	50.55
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	12	50.53
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	5	50.51
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	17	50.48
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	1	50.43
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	11	50.4
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	16	50.34
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	16	50.22
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	19	50.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	5	50.16
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	5	50.16
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	14	50.15
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	3	50.06
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	10	50.06
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	4	50.05
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	12	50.02
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	16	49.98
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	11	49.97
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	6	49.93
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	16	49.91
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	1	49.9
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	6	49.87
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	1	49.87
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	1	49.84
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	12	49.79
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	6	49.77
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	9	49.75
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	10	49.75
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	8	49.75
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	14	49.74
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	15	49.71
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	14	49.69
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	2	49.67
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	8	49.65
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	5	49.61
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	8	49.59
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	17	49.59
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	8	49.55
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	12	49.52
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	7	49.51
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	5	49.5
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	9	49.47
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	13	49.44
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	15	49.43
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	16	49.43
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	11	49.35
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	2	49.33
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	8	49.28
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	15	49.28
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	10	49.26
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	3	49.24
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	2	49.23
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	13	49.19
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	20	49.19
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	14	49.18
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	14	49.16
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	16	49.16
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	15	49.11
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	14	49.05
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	10	48.99

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	18	48.98
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	9	48.98
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	20	48.93
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	8	48.92
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	10	48.9
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	11	48.9
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	3	48.84
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	6	48.82
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	2	48.8
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	14	48.74
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	7	48.73
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	9	48.71
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	16	48.71
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	8	48.69
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	7	48.63
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	18	48.61
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	10	48.49
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	8	48.45
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	7	48.44
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	15	48.43
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	20	48.42
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	9	48.4
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	1	48.39
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	19	48.38
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	12	48.35
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	18	48.35
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	20	48.34
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	13	48.34
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	8	48.32
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	16	48.27
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	17	48.27
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	10	48.21
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	10	48.19
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	19	48.19
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	5	48.15
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	8	48.11
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	13	48.06
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	15	48.04
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	7	47.97
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	6	47.79
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	15	47.75
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	7	47.73
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	7	47.7
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	15	47.6
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	9	47.54
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	9	47.53
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	3	47.5
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	7	47.46
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	11	47.41
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	18	47.4
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	7	47.36

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	18	47.34
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	3	47.32
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	3	47.32
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	3	47.28
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	19	47.25
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	11	47.21
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	7	47.21
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	8	47.11
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	3	47.1
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	19	47.07
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	2	47.03
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	18	46.93
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	19	46.91
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	9	46.89
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	3	46.87
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	4	46.87
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	12	46.87
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	2	46.86
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	17	46.82
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	8	46.71
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	11	46.71
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	18	46.6
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	16	46.57
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	3	46.52
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	3	46.49
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	7	46.49
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	7	46.44
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	18	46.43
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	1	46.32
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	14	46.32
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	12	46.32
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	4	46.32
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	6	46.29
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	18	46.28
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	1	46.28
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	4	46.26
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	14	46.18
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	11	46.12
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	19	46.12
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	17	46.08
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	18	46.05
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	20	46.03
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	8	46.01
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	6	46.0
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	15	46.0
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	8	45.97
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	2	45.92
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	2	45.91
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	15	45.88
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	10	45.88
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	11	45.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	16	45.85
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	9	45.82
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	18	45.72
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	16	45.65
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	19	45.64
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	3	45.58
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	13	45.58
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	9	45.57
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	8	45.54
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	6	45.52
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	4	45.46
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	16	45.41
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	9	45.4
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	16	45.4
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	10	45.36
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	18	45.33
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	12	45.28
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	6	45.25
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	6	45.13
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	17	45.0
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	18	44.98
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	3	44.97
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	5	44.96
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	16	44.91
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	9	44.9
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	13	44.87
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	10	44.85
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	1	44.83
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	11	44.81
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	5	44.81
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	9	44.72
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	1	44.68
(1,292)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	20	44.64
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	7	44.62
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	12	44.56
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	5	44.55
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	17	44.52
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	5	44.5
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	9	44.48
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	10	44.44
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	15	44.42
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	6	44.4
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	9	44.38
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	10	44.37
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	17	44.36
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	6	44.32
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	17	44.3
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	19	44.27
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	2	44.2
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	20	44.18
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	6	44.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	4	44.12
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	19	44.11
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	19	44.09
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	12	44.09
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	2	44.09
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	16	44.06
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	9	44.03
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	1	44.03
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	11	44.02
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	6	44.0
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	14	44.0
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	18	43.99
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	16	43.97
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	17	43.97
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	14	43.96
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	17	43.96
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	10	43.95
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	14	43.95
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	4	43.94
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	7	43.93
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	1	43.92
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	4	43.92
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	9	43.91
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	5	43.9
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	15	43.89
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	4	43.81
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	18	43.8
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	20	43.78
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	13	43.73
(1,320)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	20	43.7
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	13	43.68
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	9	43.68
(1,516)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	12	43.67
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	5	43.67
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	20	43.64
(1,544)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	18	43.63
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	7	43.61
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	19	43.57
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	19	43.51
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	11	43.46
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	5	43.44
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	19	43.41
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	13	43.38
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	11	43.37
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	20	43.28
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	2	43.22
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	20	43.22
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	5	43.22
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	2	43.17
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	19	43.16
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	3	43.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	17	43.06
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	4	43.05
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	20	42.94
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	16	42.93
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	5	42.88
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	2	42.87
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	12	42.82
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	14	42.76
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	10	42.75
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	15	42.68
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	20	42.6
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	2	42.6
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	3	42.59
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	11	42.56
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	2	42.54
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	11	42.51
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	1	42.47
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	7	42.45
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	20	42.38
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	20	42.37
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	2	42.35
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	15	42.34
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	14	42.34
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	2	42.3
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	2	42.29
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	18	42.28
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	11	42.25
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	12	42.17
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	1	42.16
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	14	42.15
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	16	42.14
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	9	42.12
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	19	42.12
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	10	42.09
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	12	42.07
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	9	42.06
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	15	42.03
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	1	42.01
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	14	41.99
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	12	41.84
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	3	41.83
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	13	41.83
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	15	41.83
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	2	41.79
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	7	41.78
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	12	41.77
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	5	41.77
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	17	41.76
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	18	41.72
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	12	41.71
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	17	41.69

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	6	41.67
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	18	41.65
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	5	41.62
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	16	41.62
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	19	41.58
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	11	41.57
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	4	41.56
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	14	41.56
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	7	41.55
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	12	41.54
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	2	41.53
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	3	41.52
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	15	41.52
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	6	41.49
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	1	41.43
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	5	41.42
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	1	41.41
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	16	41.39
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	2	41.38
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	5	41.33
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	2	41.32
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	15	41.31
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	11	41.3
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	19	41.29
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	12	41.26
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	19	41.26
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	7	41.23
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	8	40.99
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	15	40.98
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	17	40.94
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	2	40.93
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	13	40.93
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	19	40.93
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	18	40.91
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	2	40.9
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	17	40.79
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	13	40.74
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	1	40.73
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	15	40.72
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	17	40.66
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	18	40.6
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	8	40.59
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	15	40.55
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	15	40.51
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	7	40.46
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	13	40.41
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	3	40.39
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	13	40.31
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	16	40.3
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	4	40.27
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	15	40.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	14	40.23
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	15	40.22
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	14	40.17
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	1	40.1
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	10	40.04
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	11	40.02
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	10	40.0
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	16	39.96
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	19	39.95
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	7	39.94
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	20	39.94
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	1	39.92
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	13	39.92
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	18	39.9
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	4	39.9
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	14	39.88
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	14	39.88
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	14	39.88
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	5	39.85
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	13	39.75
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	14	39.74
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	10	39.73
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	6	39.71
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	3	39.65
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	18	39.54
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	6	39.53
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	1	39.48
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	20	39.47
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	20	39.45
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	13	39.34
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	16	39.33
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	14	39.33
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	19	39.31
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	11	39.25
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	11	39.23
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	20	39.22
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	10	39.16
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	20	39.15
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	9	39.12
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	4	39.11
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	10	39.03
(1,502)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	18	39.03
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	20	39.03
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	16	39.01
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	7	39.0
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	1	38.99
(1,278)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	18	38.98
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	11	38.98
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	4	38.95
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	19	38.88
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	19	38.87

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	17	38.87
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	4	38.86
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	13	38.79
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	6	38.75
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	3	38.74
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	19	38.69
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	16	38.66
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	1	38.59
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	4	38.52
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	7	38.5
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	19	38.49
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	5	38.47
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	13	38.44
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	7	38.26
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	14	38.24
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	6	38.24
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	12	38.24
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	6	38.2
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	13	38.16
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	12	38.14
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	9	38.13
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	19	38.13
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	3	38.11
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	4	38.09
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	4	38.07
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	17	38.07
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	6	38.07
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	4	38.05
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	4	38.03
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	16	38.03
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	20	38.03
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	7	38.02
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	5	38.0
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	20	38.0
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	15	38.0
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	15	37.99
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	16	37.99
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	2	37.95
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	4	37.95
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	3	37.94
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	16	37.94
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	2	37.94
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	11	37.91
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	3	37.91
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	3	37.88
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	18	37.87
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	20	37.85
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	11	37.84
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	9	37.84
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	11	37.82
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	17	37.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	6	37.79
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	15	37.76
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	3	37.76
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	18	37.69
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	13	37.67
(1,264)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	20	37.67
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	20	37.65
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	10	37.6
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	8	37.6
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	18	37.58
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	15	37.52
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	8	37.43
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	4	37.42
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	10	37.41
(1,488)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	20	37.37
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	1	37.35
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	8	37.21
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	7	37.14
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	17	37.12
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	11	37.11
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	9	37.06
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	17	37.06
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	2	37.04
(1,558)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	20	37.02
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	2	37.01
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	9	37.0
(1,376)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	10	37.0
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	7	36.9
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	19	36.89
(1,600)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	17	36.88
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	12	36.78
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	19	36.76
(1,334)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	20	36.74
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	8	36.62
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	6	36.51
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	7	36.3
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	8	35.9
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	10	35.9
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	14	35.8
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	8	35.72
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	4	35.71
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	17	35.63
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	4	35.62
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	10	35.55
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	14	35.43
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	6	35.2
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	13	35.14
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	14	34.78
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	1	34.76
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	6	34.73
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	18	34.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	1	34.56
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	8	34.31
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	15	34.28
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	15	34.16
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	6	34.0
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	5	33.98
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	14	33.92
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	20	33.89
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	8	33.87
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	7	33.86
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	7	33.83
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	8	33.77
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	14	33.75
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	19	33.69
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	14	33.68
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	13	33.6
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	1	33.34
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	18	33.31
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	1	33.29
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	12	33.2
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	8	33.14
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	20	32.97
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	13	32.97
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	12	32.94
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	6	32.93
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	12	32.89
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	12	32.84
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	20	32.79
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	8	32.7
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	6	32.68
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	6	32.58
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	5	32.52
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	18	32.33
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	8	32.28
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	10	32.26
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	13	32.22
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	5	32.2
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	13	32.12
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	5	32.1
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	5	31.9
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	13	31.88
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	13	31.78
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	14	31.77
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	10	31.73
(1,194)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	8	31.72
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	18	31.45
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	12	31.4
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	16	31.35
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	14	31.35
(1,418)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	8	31.3
(1,572)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	20	31.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,348)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	17	31.05
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	13	31.03
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	8	30.77
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	18	30.69
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	16	30.53
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	13	30.4
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	4	30.37
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	12	30.34
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	14	30.25
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	4	30.17
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	16	30.15
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	8	30.13
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	12	30.04
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	5	30.02
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	19	30.01
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	13	29.97
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	7	29.95
(1,236)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	8	29.93
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	13	29.92
(1,146)	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	1:107:B:ARG:NE	9	29.89
(1,79)	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	1:7:A:ARG:NE	2	29.86
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	3	29.86
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	15	29.84
(1,148)	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	1:107:B:ARG:NE	8	29.81
(1,77)	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	1:7:A:ARG:NE	19	29.76
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	15	29.72
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	16	29.72
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	8	29.69
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	16	29.59
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	11	29.59
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	7	29.56
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	8	29.39
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	8	29.39
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	3	29.36
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	4	29.27
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	6	29.27
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	3	29.22
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	14	29.22
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	3	29.03
(1,460)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	8	28.93
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	4	28.89
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	11	28.85
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	17	28.83
(1,474)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	6	28.8
(1,79)	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	1:7:A:ARG:NE	5	28.79
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	2	28.78
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	9	28.74
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	2	28.72
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	14	28.57
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	10	28.45
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1	28.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	9	28.41
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	8	28.4
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	4	28.38
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	12	28.34
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	16	28.34
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	8	28.31
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	4	28.29
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	8	28.28
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	9	28.24
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	6	28.21
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	14	28.2
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	17	28.17
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	10	28.1
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	15	28.05
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	13	28.01
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	15	28.0
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1	27.96
(1,95)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:CB	1:16:A:ARG:CG	10	27.8
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	15	27.7
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	6	27.69
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	19	27.68
(1,50)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	19	27.67
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	3	27.66
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	15	27.64
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	6	27.49
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	5	27.49
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	19	27.49
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	6	27.48
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	19	27.42
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	13	27.41
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	9	27.27
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	20	27.26
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	8	27.25
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	19	27.24
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	3	27.24
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	12	27.17
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	6	27.15
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	11	27.14
(1,101)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	15	27.13
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	17	27.12
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	19	27.11
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	12	27.06
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	9	27.0
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	10	27.0
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	2	26.99
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	20	26.98
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	8	26.97
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	2	26.96
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	9	26.94
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	4	26.93
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	10	26.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	16	26.9
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	20	26.86
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	20	26.86
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	7	26.86
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	17	26.85
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	10	26.8
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	9	26.8
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	13	26.8
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	8	26.79
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	5	26.78
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	6	26.76
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	10	26.75
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	15	26.75
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	7	26.75
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	12	26.72
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	13	26.71
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	10	26.7
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	10	26.68
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	6	26.64
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1	26.64
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	6	26.61
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	10	26.59
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	2	26.58
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	20	26.56
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	13	26.55
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	13	26.52
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	5	26.52
(1,152)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:CB	1:110:B:ARG:CG	11	26.52
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	7	26.51
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	15	26.48
(1,119)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:CB	1:103:B:ARG:CG	19	26.43
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	17	26.42
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	3	26.42
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	10	26.4
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	3	26.39
(1,614)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	5	26.38
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	11	26.35
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	7	26.35
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	6	26.34
(1,83)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:CB	1:10:A:ARG:CG	11	26.33
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	18	26.33
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	12	26.32
(1,164)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:CB	1:116:B:ARG:CG	10	26.3
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	2	26.28
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	13	26.28
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	6	26.25
(1,58)	1:3:A:ARG:CB	1:3:A:ARG:CG	1:3:A:ARG:CD	1:3:A:ARG:NE	14	26.25
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	15	26.24
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	13	26.24
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	3	26.23
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	2	26.21

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	6	26.21
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	11	26.18
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	3	26.12
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	11	26.09
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	7	26.08
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	16	26.07
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	16	26.06
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	3	26.05
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	4	26.05
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	15	26.02
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	19	25.99
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	9	25.98
(1,390)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	7	25.97
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	4	25.91
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	3	25.91
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	16	25.88
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	19	25.88
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	11	25.87
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	2	25.86
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	12	25.86
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	12	25.86
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	17	25.83
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	17	25.82
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	13	25.8
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	17	25.8
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	6	25.8
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	17	25.77
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	14	25.76
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	11	25.75
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	14	25.67
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	15	25.66
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	11	25.62
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	17	25.59
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	10	25.57
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	13	25.56
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	5	25.56
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	18	25.54
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	13	25.51
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	4	25.51
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	15	25.51
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	6	25.49
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	19	25.48
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	10	25.48
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	5	25.47
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	11	25.45
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	7	25.41
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1	25.39
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	3	25.39
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	15	25.34
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	15	25.33
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1	25.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	19	25.3
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	17	25.27
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	12	25.27
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	13	25.25
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	13	25.25
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	5	25.24
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	6	25.23
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	12	25.18
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	2	25.18
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	9	25.17
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	16	25.16
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	6	25.14
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	17	25.13
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	2	25.13
(1,567)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	2	25.11
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	14	25.08
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	4	25.05
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	3	25.05
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	12	25.03
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	18	25.02
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1	25.02
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1	24.98
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	7	24.98
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	18	24.97
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	20	24.97
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	8	24.97
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	9	24.95
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	2	24.94
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	4	24.89
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	11	24.89
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	9	24.88
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	10	24.88
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	6	24.87
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	20	24.85
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	3	24.85
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	8	24.85
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	10	24.84
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	8	24.82
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	7	24.82
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	20	24.78
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	4	24.77
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	8	24.77
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	9	24.75
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	16	24.71
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	3	24.71
(1,125)	1:103:B:ARG:CB	1:103:B:ARG:CG	1:103:B:ARG:CD	1:103:B:ARG:NE	6	24.7
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	19	24.69
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	14	24.67
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1	24.66
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	13	24.66
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	3	24.64

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	11	24.63
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	4	24.58
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	12	24.57
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	20	24.55
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	3	24.54
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	20	24.53
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	18	24.46
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	14	24.46
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	7	24.45
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	11	24.39
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	6	24.29
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	17	24.29
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	14	24.26
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	9	24.26
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	7	24.22
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	12	24.2
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	18	24.16
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	5	24.15
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	14	24.12
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	14	24.12
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	13	24.12
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	4	24.1
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	3	24.09
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	1	24.08
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	3	24.07
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	5	24.07
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	11	24.06
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	7	24.06
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	20	24.06
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	13	24.05
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	19	24.05
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	8	24.05
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	16	24.04
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	3	24.01
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	17	24.0
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	10	24.0
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	5	23.99
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	17	23.98
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	5	23.98
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	19	23.97
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	10	23.96
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	17	23.96
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	2	23.95
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	14	23.95
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	11	23.91
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	2	23.91
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	1	23.9
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	8	23.87
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	9	23.84
(1,158)	1:110:B:ARG:CB	1:110:B:ARG:CG	1:110:B:ARG:CD	1:110:B:ARG:NE	18	23.84
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	14	23.83

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	12	23.8
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	5	23.77
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	19	23.76
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	3	23.74
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	4	23.73
(1,91)	1:10:A:ARG:CB	1:10:A:ARG:CG	1:10:A:ARG:CD	1:10:A:ARG:NE	16	23.73
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	20	23.71
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	16	23.7
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	11	23.7
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	3	23.61
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	16	23.57
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	3	23.56
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	14	23.55
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	18	23.55
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	19	23.55
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	7	23.54
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	20	23.54
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	7	23.51
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	7	23.49
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	6	23.46
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	5	23.45
(1,50)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	6	23.45
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	9	23.42
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	4	23.41
(1,250)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	18	23.4
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	13	23.38
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	18	23.38
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	17	23.36
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	16	23.32
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	5	23.29
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	18	23.27
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	11	23.26
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	16	23.24
(1,98)	1:16:A:ARG:CA	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	8	23.24
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	17	23.21
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	3	23.19
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	11	23.18
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	19	23.17
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	8	23.13
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	2	23.11
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	11	23.09
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	2	23.07
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	19	23.07
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	16	23.07
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1	23.02
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	16	23.02
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	3	22.96
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	13	22.95
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	19	22.94
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	8	22.92
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	3	22.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	18	22.87
(1,182)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:CB	1:118:B:CYS:SG	20	22.84
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	2	22.83
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	11	22.79
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	4	22.78
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1	22.75
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	12	22.74
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	11	22.7
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	15	22.69
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	5	22.67
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	4	22.66
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	17	22.62
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	19	22.61
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	6	22.58
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	3	22.57
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	14	22.56
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	8	22.52
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	4	22.49
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	4	22.49
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	6	22.47
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	2	22.47
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	2	22.46
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	9	22.45
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	2	22.45
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	17	22.45
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	11	22.43
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	11	22.39
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	5	22.38
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	16	22.38
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	9	22.35
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	13	22.35
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1	22.3
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	12	22.29
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	3	22.28
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	16	22.28
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	11	22.23
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	7	22.22
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	2	22.21
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	2	22.18
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	3	22.17
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	15	22.17
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	17	22.13
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	20	22.11
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	15	22.11
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	7	22.11
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	13	22.11
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	11	22.05
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	10	22.04
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	7	22.04
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	1	21.99
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1	21.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	12	21.93
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	17	21.91
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	13	21.9
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	12	21.84
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	8	21.84
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	1	21.84
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	4	21.81
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1	21.8
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	18	21.77
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	11	21.75
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	8	21.73
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	2	21.72
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	2	21.71
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	17	21.71
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	2	21.7
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	18	21.7
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	12	21.7
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	12	21.68
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	5	21.67
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	2	21.65
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	20	21.63
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	20	21.62
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	12	21.62
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	19	21.62
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	3	21.61
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	2	21.61
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	17	21.58
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	11	21.57
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	8	21.53
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	13	21.53
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	11	21.49
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	2	21.46
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	11	21.44
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	2	21.42
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	3	21.41
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	2	21.4
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	7	21.39
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	13	21.33
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1	21.32
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	16	21.31
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	5	21.27
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	5	21.22
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	11	21.21
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	19	21.2
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	11	21.17
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	14	21.16
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	9	21.16
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	7	21.14
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	13	21.13
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	2	21.13
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	11	21.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1	21.11
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	15	21.11
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	16	21.09
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	8	21.08
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	10	21.08
(1,119)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:CB	1:103:B:ARG:CG	6	21.08
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	16	21.07
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	19	21.03
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	9	20.99
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	18	20.97
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	15	20.96
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	19	20.96
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	12	20.96
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	17	20.94
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	11	20.91
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	19	20.91
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1	20.86
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	17	20.85
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	14	20.83
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	6	20.82
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1	20.79
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	16	20.79
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	18	20.79
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	4	20.78
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	20	20.78
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	6	20.75
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	8	20.74
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	20	20.72
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	6	20.7
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1	20.69
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	4	20.68
(1,152)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:CB	1:110:B:ARG:CG	19	20.68
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	14	20.65
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	5	20.63
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	13	20.62
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	2	20.61
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	19	20.59
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	5	20.56
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	14	20.54
(1,349)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	18	20.54
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	2	20.54
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	18	20.53
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1	20.53
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	11	20.51
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	13	20.51
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	19	20.49
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	16	20.48
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	4	20.48
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	7	20.48
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	10	20.47
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	13	20.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	19	20.43
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	18	20.43
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	13	20.42
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	2	20.38
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	18	20.37
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	20	20.36
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	18	20.34
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	5	20.33
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	13	20.32
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	9	20.32
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	15	20.31
(1,172)	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	1:116:B:ARG:NE	10	20.31
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	6	20.3
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	4	20.3
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	20	20.3
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	9	20.27
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	7	20.26
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	4	20.26
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	4	20.25
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	20	20.25
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	6	20.24
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	9	20.23
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	17	20.23
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	14	20.22
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	20	20.22
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	7	20.2
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	18	20.2
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	20	20.19
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	19	20.18
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1	20.18
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	15	20.18
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	16	20.16
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	10	20.14
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	15	20.13
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	10	20.13
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	13	20.12
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	10	20.11
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	19	20.11
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	16	20.11
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	5	20.1
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	15	20.09
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	1	20.08
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	16	20.07
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	7	20.07
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	16	20.07
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	4	20.06
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	10	20.05
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	14	20.05
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	14	20.04
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	16	20.03
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	17	20.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	13	20.02
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	13	20.01
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	6	20.0
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	10	19.99
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	1	19.97
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	15	19.96
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	4	19.95
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	11	19.94
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	9	19.94
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	13	19.92
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	5	19.92
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	4	19.92
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	19	19.91
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	12	19.91
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	2	19.91
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	14	19.9
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	5	19.89
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	19	19.89
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	4	19.88
(1,143)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	2	19.86
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	18	19.85
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	17	19.84
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	2	19.8
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	14	19.77
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	15	19.77
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1	19.74
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	15	19.72
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	17	19.7
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	10	19.7
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1	19.68
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	5	19.68
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	6	19.68
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	19	19.64
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	10	19.63
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	9	19.63
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	10	19.62
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	9	19.62
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	6	19.6
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	2	19.6
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	9	19.59
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	5	19.58
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	14	19.57
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	10	19.56
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	19	19.54
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	6	19.53
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	8	19.52
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	5	19.5
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	15	19.49
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	14	19.48
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	1	19.48
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	17	19.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	15	19.48
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	16	19.45
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	8	19.44
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	8	19.44
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	12	19.44
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	19	19.43
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1	19.43
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	13	19.41
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	14	19.41
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	11	19.4
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	7	19.38
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	6	19.36
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	2	19.34
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	20	19.33
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	9	19.31
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	10	19.3
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	11	19.29
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	9	19.28
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1	19.27
(1,273)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	14	19.26
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	4	19.26
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	11	19.25
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	15	19.24
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	7	19.23
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	16	19.21
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	10	19.16
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	10	19.15
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	15	19.14
(1,497)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	19	19.1
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1	19.1
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	6	19.03
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	18	19.03
(1,222)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	2	19.03
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	16	19.01
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	18	19.01
(1,103)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	11	19.01
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	17	19.0
(1,446)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	2	18.99
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	14	18.99
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	1	18.99
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	11	18.98
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1	18.97
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	20	18.96
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	7	18.96
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	12	18.96
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	8	18.93
(1,83)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:CB	1:10:A:ARG:CG	19	18.92
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	6	18.9
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	6	18.87
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	19	18.87
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	15	18.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	16	18.85
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	5	18.84
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	9	18.84
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	19	18.81
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	13	18.79
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	4	18.78
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	16	18.76
(1,628)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	18	18.73
(1,287)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	5	18.69
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	20	18.65
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	17	18.65
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	10	18.64
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	16	18.6
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	8	18.6
(1,573)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	18	18.54
(1,511)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	7	18.54
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	18	18.53
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	7	18.5
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	9	18.49
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	12	18.48
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	3	18.48
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	5	18.47
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	12	18.46
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	7	18.46
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	8	18.46
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	20	18.45
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	3	18.42
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	15	18.42
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	13	18.42
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	6	18.4
(1,404)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	18	18.36
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	20	18.34
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	4	18.33
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	6	18.33
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	10	18.27
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	14	18.26
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	14	18.26
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	6	18.24
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	12	18.24
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	12	18.23
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	9	18.18
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	4	18.18
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	13	18.16
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	1	18.15
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	13	18.15
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	12	18.14
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	9	18.13
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	19	18.13
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	10	18.12
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	14	18.08
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	4	18.08

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	17	18.07
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	3	18.07
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	4	18.05
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	8	18.03
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	4	18.03
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	16	18.03
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	20	18.03
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	7	18.02
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	9	18.02
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	5	18.0
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	5	18.0
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	20	18.0
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	15	18.0
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	8	17.99
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	15	17.99
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	17.99
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	14	17.98
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	2	17.95
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	10	17.95
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	18	17.95
(1,432)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	3	17.94
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	2	17.94
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	3	17.91
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	19	17.88
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	18	17.87
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	13	17.87
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	7	17.86
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	20	17.85
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	7	17.84
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	9	17.84
(1,208)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	17	17.81
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	20	17.79
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	5	17.74
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	9	17.74
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	18	17.69
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	8	17.68
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	19	17.67
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	10	17.66
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	20	17.65
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	8	17.61
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	4	17.61
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	12	17.59
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	18	17.57
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	7	17.56
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	4	17.55
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	4	17.53
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	7	17.51
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	10	17.47
(1,172)	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	1:116:B:ARG:NE	1	17.45
(1,140)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	2	17.42
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	12	17.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	3	17.38
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	20	17.37
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	16	17.36
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	12	17.36
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	4	17.35
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	10	17.34
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	7	17.34
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	16	17.33
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	18	17.31
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	8	17.29
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	2	17.27
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	14	17.27
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	2	17.27
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	1	17.26
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	9	17.24
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	3	17.24
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	7	17.24
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	12	17.2
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	11	17.17
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	11	17.14
(1,127)	1:103:B:ARG:CB	1:103:B:ARG:CG	1:103:B:ARG:CD	1:103:B:ARG:NE	16	17.13
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	4	17.11
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	9	17.11
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	14	17.11
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	10	17.05
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	15	17.05
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	10	17.03
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	17	17.01
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	17	16.99
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	10	16.97
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	6	16.96
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	10	16.95
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	15	16.95
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	3	16.9
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	8	16.89
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	3	16.84
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	7	16.79
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	9	16.76
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	20	16.76
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	3	16.72
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	18	16.69
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	16	16.67
(1,436)	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1:105:B:CYS:N	18	16.66
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	7	16.66
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	20	16.63
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	12	16.6
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	18	16.59
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	19	16.55
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	10	16.53
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	3	16.5
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	4	16.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	4	16.45
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	12	16.41
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	15	16.4
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	8	16.39
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	4	16.39
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	10	16.34
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	19	16.33
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	8	16.32
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	18	16.26
(1,304)	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1:12:A:GLY:N	20	16.25
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	15	16.25
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	12	16.21
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	6	16.21
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	7	16.16
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	7	16.14
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	13	16.13
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	19	16.12
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	19	16.09
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	10	16.05
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	7	16.03
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	11	16.03
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	20	16.01
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	5	16.0
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	9	15.98
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	15	15.96
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	13	15.94
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	3	15.93
(1,92)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:CB	1:15:A:TYR:CG	20	15.88
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	13	15.85
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	5	15.85
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	12	15.77
(1,528)	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1:112:B:GLY:N	20	15.76
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	10	15.73
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	4	15.68
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	8	15.68
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	4	15.67
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	6	15.67
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	20	15.66
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	18	15.65
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	19	15.62
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	6	15.6
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	9	15.6
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	20	15.58
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	15	15.57
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	20	15.55
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	12	15.54
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	7	15.54
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	12	15.52
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	3	15.52
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	9	15.51
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	7	15.46

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	8	15.4
(1,212)	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1:5:A:CYS:N	18	15.39
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	7	15.37
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	17	15.35
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	5	15.31
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	7	15.27
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	14	15.26
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	16	15.24
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	4	15.22
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	2	15.2
(1,282)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	6	15.18
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	16	15.15
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	15	15.14
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	3	15.13
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	11	15.1
(1,161)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:CB	1:115:B:TYR:CG	20	15.06
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	20	15.04
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1	15.03
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	18	15.02
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	14	15.01
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	18	14.99
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	18	14.97
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	19	14.9
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1	14.9
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	4	14.89
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	5	14.87
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	14	14.84
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	16	14.84
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	10	14.84
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	16	14.82
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	20	14.81
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	16	14.79
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	7	14.77
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	2	14.77
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	15	14.76
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	14	14.74
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	4	14.74
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1	14.73
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	8	14.72
(1,49)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	15	14.72
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	11	14.71
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	10	14.7
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	20	14.67
(1,118)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	15	14.67
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	2	14.66
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	11	14.65
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	6	14.64
(1,50)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	12	14.63
(1,152)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:CB	1:110:B:ARG:CG	16	14.61
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	14	14.59
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	19	14.57

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1	14.57
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	16	14.57
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	8	14.56
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	13	14.56
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	16	14.55
(1,161)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:CB	1:115:B:TYR:CG	18	14.53
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	14	14.52
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	15	14.51
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	15	14.5
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	14	14.43
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	5	14.42
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	8	14.41
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	17	14.41
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	9	14.41
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	2	14.4
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	9	14.37
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	19	14.36
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1	14.32
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	6	14.32
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	14	14.31
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	10	14.3
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	6	14.23
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	17	14.16
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	5	14.11
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	14	14.1
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	16	14.09
(1,92)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:CB	1:15:A:TYR:CG	18	14.09
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	5	14.08
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	4	14.08
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	11	14.06
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	9	14.06
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	4	14.05
(1,71)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	2	14.02
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	10	13.94
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	16	13.93
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	16	13.93
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	10	13.89
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	16	13.89
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	15	13.87
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	10	13.87
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	10	13.86
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	16	13.84
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	5	13.84
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	19	13.83
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1	13.82
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	15	13.82
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	20	13.81
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	16	13.78
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	9	13.77
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	6	13.76
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	4	13.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	20	13.75
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	7	13.74
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	9	13.73
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	6	13.7
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	4	13.7
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	16	13.66
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	13	13.58
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	18	13.57
(1,76)	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	3	13.56
(1,103)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	10	13.55
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	17	13.52
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	4	13.52
(1,119)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:CB	1:103:B:ARG:CG	12	13.5
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	5	13.49
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	11	13.49
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	12	13.47
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1	13.47
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	14	13.46
(1,343)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	18	13.46
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	2	13.46
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	5	13.44
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	13	13.41
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	9	13.4
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	10	13.4
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	2	13.39
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	14	13.35
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	4	13.32
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	20	13.28
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	6	13.25
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	4	13.22
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1	13.21
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	16	13.21
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	7	13.19
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	14	13.17
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	18	13.14
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1	13.14
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	19	13.04
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	12	13.04
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	18	13.03
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	14	13.0
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	10	12.99
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	19	12.97
(1,143)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	18	12.96
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	8	12.92
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	10	12.92
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	6	12.91
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	16	12.91
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1	12.89
(1,47)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	6	12.87
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	5	12.86
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	7	12.86

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	14	12.84
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	19	12.8
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	11	12.79
(1,506)	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	1:110:B:ARG:N	9	12.78
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	5	12.78
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	10	12.76
(1,172)	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	1:116:B:ARG:NE	9	12.75
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	16	12.69
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1	12.68
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	14	12.65
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	7	12.61
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	18	12.6
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	17	12.59
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	10	12.58
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	12	12.54
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	15	12.53
(1,559)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	8	12.47
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	13	12.47
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	14	12.44
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	17	12.42
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	12	12.38
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	19	12.38
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	17	12.38
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	5	12.36
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	5	12.33
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	12	12.32
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	18	12.3
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	12	12.3
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	12	12.28
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	18	12.23
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	4	12.19
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	5	12.18
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	5	12.16
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	12	12.16
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	6	12.16
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	17	12.12
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	7	12.1
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	13	12.1
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	17	12.09
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	5	12.03
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1	12.03
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	10	11.96
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	7	11.96
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	7	11.92
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	20	11.89
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	13	11.89
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	17	11.87
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	2	11.82
(1,589)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	20	11.76
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	17	11.76
(1,143)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	3	11.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	3	11.72
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	16	11.72
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1	11.7
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	20	11.66
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	13	11.65
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	16	11.62
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	11	11.61
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	12	11.56
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	17	11.55
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	2	11.54
(1,586)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	11	11.53
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	4	11.51
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	8	11.48
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	14	11.44
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	3	11.43
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	6	11.42
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	17	11.4
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	19	11.39
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	17	11.38
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	4	11.34
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	1	11.33
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	8	11.27
(1,83)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:CB	1:10:A:ARG:CG	16	11.26
(1,48)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	9	11.23
(1,100)	1:16:A:ARG:CA	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	2	11.22
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	3	11.2
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	1	11.16
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	18	11.13
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	3	11.11
(1,475)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	8	11.08
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	19	11.06
(1,143)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	20	10.99
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1	10.98
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	16	10.98
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	4	10.96
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	4	10.94
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	16	10.93
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	20	10.93
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1	10.92
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	9	10.91
(1,223)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	11	10.91
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	6	10.9
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	5	10.89
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	3	10.89
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	1	10.87
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1	10.84
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	9	10.83
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	11	10.82
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	3	10.81
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	11	10.74
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	18	10.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	5	10.71
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	19	10.71
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	13	10.7
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	11	10.7
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	11	10.69
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	9	10.68
(1,116)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	18	10.66
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	3	10.64
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	17	10.64
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	12	10.64
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	4	10.63
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	13	10.62
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	19	10.55
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	6	10.52
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	7	10.49
(1,113)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:CB	1:18:A:CYS:SG	17	10.47
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	20	10.46
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	14	10.45
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	18	10.45
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	19	10.45
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	1	10.43
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	16	10.43
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	11	10.4
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	20	10.32
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	11	10.3
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	20	10.29
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	3	10.26
(1,623)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	12	10.2
(1,172)	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	1:116:B:ARG:NE	17	10.18
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	5	10.16
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	14	10.15
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	11	10.09
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	3	10.06
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	14	10.05
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	4	10.05
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	19	10.03
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	17	10.02
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	12	10.02
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	5	10.02
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	5	10.01
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	17	10.0
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	19	9.99
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	3	9.99
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	16	9.98
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	11	9.97
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	13	9.95
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	15	9.95
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	11	9.94
(1,362)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	11	9.94
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	3	9.93
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	6	9.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	5	9.93
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	1	9.9
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	6	9.87
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	1	9.87
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	18	9.84
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	1	9.84
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	12	9.8
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	12	9.79
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	7	9.78
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	9	9.75
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	10	9.75
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	8	9.75
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	14	9.74
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	15	9.71
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	17	9.71
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	20	9.7
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	2	9.67
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	8	9.65
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	11	9.61
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	5	9.61
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	8	9.55
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	18	9.54
(1,447)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	14	9.54
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	12	9.52
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	7	9.51
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	5	9.5
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	9	9.47
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	3	9.46
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	15	9.43
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	12	9.43
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	4	9.42
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	3	9.36
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	9	9.35
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	2	9.33
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	8	9.32
(1,324)	1:13:A:VAL:N	1:13:A:VAL:CA	1:13:A:VAL:C	1:14:A:CYS:N	15	9.28
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	10	9.26
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	3	9.24
(1,623)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	4	9.23
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	8	9.23
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	13	9.19
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	14	9.18
(1,335)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	8	9.15
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	6	9.13
(1,548)	1:113:B:VAL:N	1:113:B:VAL:CA	1:113:B:VAL:C	1:114:B:CYS:N	15	9.11
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	15	9.11
(1,349)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	2	9.06
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	14	9.05
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	9	9.05
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	1	9.02
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	7	9.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	10	8.99
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	9	8.98
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	9	8.98
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	5	8.98
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	1	8.98
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	12	8.97
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	15	8.95
(1,176)	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	1:117:B:ARG:CD	3	8.95
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	20	8.93
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	17	8.93
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	8	8.92
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	14	8.92
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	19	8.91
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	10	8.9
(1,573)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	2	8.89
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	17	8.89
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	6	8.88
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	2	8.87
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	6	8.86
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	13	8.85
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	16	8.85
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	3	8.84
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	9	8.83
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	12	8.82
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	2	8.82
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	13	8.81
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	14	8.8
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	10	8.8
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	14	8.79
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	19	8.77
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	6	8.77
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	5	8.76
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	1	8.75
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	13	8.75
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	13	8.75
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	7	8.74
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	4	8.74
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	17	8.73
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	12	8.73
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	9	8.71
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	16	8.71
(1,623)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1	8.7
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	19	8.7
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	8	8.69
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	15	8.67
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	15	8.66
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1	8.61
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	19	8.52
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	10	8.52
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	10	8.49
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	13	8.49

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	15	8.49
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	18	8.46
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	8	8.45
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	5	8.44
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	7	8.44
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	17	8.41
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	1	8.39
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	12	8.35
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	20	8.34
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	15	8.34
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	13	8.34
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	14	8.33
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	16	8.27
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	17	8.27
(1,433)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	11	8.25
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	17	8.23
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	10	8.21
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	17	8.2
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	13	8.2
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	10	8.19
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	19	8.19
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	17	8.17
(1,101)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	17	8.16
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	2	8.14
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	12	8.14
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	11	8.13
(1,113)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:CB	1:18:A:CYS:SG	9	8.13
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	16	8.12
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	19	8.12
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	8	8.11
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	3	8.09
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	9	8.02
(1,265)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	19	8.01
(1,116)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	6	7.99
(1,489)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	15	7.98
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	20	7.96
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	3	7.95
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	16	7.94
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	7	7.93
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	18	7.87
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	2	7.85
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	12	7.84
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	12	7.83
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	18	7.83
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	3	7.8
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	10	7.79
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	2	7.79
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	11	7.79
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	2	7.79
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	4	7.78
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	7	7.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	11	7.76
(1,209)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	13	7.76
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	16	7.75
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	1	7.75
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	3	7.75
(1,303)	1:10:A:ARG:C	1:11:A:ASN:N	1:11:A:ASN:CA	1:11:A:ASN:C	9	7.74
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	7	7.73
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	2	7.72
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	20	7.7
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	7	7.7
(1,527)	1:110:B:ARG:C	1:111:B:ASN:N	1:111:B:ASN:CA	1:111:B:ASN:C	5	7.69
(1,79)	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	1:7:A:ARG:NE	16	7.68
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	6	7.66
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	11	7.65
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	17	7.58
(1,461)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	3	7.58
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	9	7.54
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	9	7.53
(1,62)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:CB	1:5:A:CYS:SG	16	7.52
(1,62)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:CB	1:5:A:CYS:SG	5	7.49
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	13	7.48
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	5	7.48
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	7	7.46
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	13	7.45
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	2	7.42
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	11	7.41
(1,450)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	1:106:B:ILE:N	18	7.4
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	6	7.39
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	7	7.36
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	6	7.36
(1,167)	1:116:B:ARG:CA	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	9	7.36
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	3	7.32
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	3	7.32
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	12	7.28
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	19	7.25
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	15	7.25
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	7	7.25
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	5	7.22
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	11	7.21
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	10	7.2
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	9	7.2
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	20	7.14
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	20	7.14
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	12	7.14
(1,110)	1:17:A:ARG:CB	1:17:A:ARG:CG	1:17:A:ARG:CD	1:17:A:ARG:NE	8	7.13
(1,623)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	16	7.1
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	9	7.08
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	19	7.07
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	10	7.07
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	9	7.06
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	2	7.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	4	6.93
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	18	6.93
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	19	6.91
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	3	6.87
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	4	6.87
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	12	6.87
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	2	6.86
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	11	6.86
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	6	6.85
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	12	6.83
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	17	6.82
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	6	6.76
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	3	6.76
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	10	6.75
(1,251)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	8	6.75
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	9	6.73
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	11	6.71
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	10	6.7
(1,623)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	10	6.68
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1	6.64
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	18	6.6
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	13	6.59
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	16	6.57
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	20	6.56
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	18	6.56
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	3	6.52
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	6	6.52
(1,170)	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	1:116:B:ARG:NE	12	6.52
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	7	6.51
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	3	6.49
(1,178)	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	1:117:B:ARG:CD	16	6.45
(1,145)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	8	6.37
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	15	6.36
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	7	6.35
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	3	6.34
(1,62)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:CB	1:5:A:CYS:SG	12	6.33
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	1	6.32
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	14	6.32
(1,478)	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	1:108:B:VAL:N	12	6.32
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	4	6.32
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	6	6.31
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	15	6.3
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	6	6.29
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	18	6.28
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	1	6.28
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	4	6.26
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	6	6.25
(1,62)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:CB	1:5:A:CYS:SG	19	6.2
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	14	6.18
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	11	6.12
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	19	6.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	17	6.08
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	7	6.08
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	16	6.07
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1	6.04
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	20	6.03
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	6	6.0
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	15	6.0
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	15	6.0
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	13	5.99
(1,157)	1:110:B:ARG:CA	1:110:B:ARG:CB	1:110:B:ARG:CG	1:110:B:ARG:CD	19	5.97
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	15	5.95
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	10	5.94
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	2	5.92
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	2	5.91
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	15	5.88
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	11	5.87
(1,587)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	10	5.87
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	12	5.86
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	16	5.85
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	17	5.83
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	17	5.82
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	9	5.76
(1,519)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	18	5.72
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	8	5.69
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	12	5.66
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	16	5.65
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	19	5.64
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	9	5.59
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	10	5.57
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	9	5.57
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1	5.56
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	6	5.52
(1,329)	1:13:A:VAL:C	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	4	5.51
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	6	5.49
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	5	5.47
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	4	5.46
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	11	5.45
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	16	5.41
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	7	5.41
(1,618)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	1:119:B:TRP:N	9	5.4
(1,86)	1:10:A:ARG:CA	1:10:A:ARG:CB	1:10:A:ARG:CG	1:10:A:ARG:CD	8	5.34
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	18	5.33
(1,182)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:CB	1:118:B:CYS:SG	17	5.33
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	2	5.28
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	12	5.28
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	9	5.26
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	6	5.25
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	2	5.22
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	17	5.17
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	16	5.16
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	6	5.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	16	5.13
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	3	5.05
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	18	4.98
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	3	4.97
(1,259)	1:7:A:ARG:C	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	8	4.97
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	5	4.96
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	7	4.94
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	16	4.91
(1,76)	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	5	4.91
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	9	4.9
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	11	4.89
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	10	4.88
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	13	4.87
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	3	4.85
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	1	4.83
(1,146)	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	1:107:B:ARG:NE	3	4.83
(1,203)	1:3:A:ARG:C	1:4:A:VAL:N	1:4:A:VAL:CA	1:4:A:VAL:C	8	4.82
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	11	4.81
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	5	4.81
(1,189)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	8	4.77
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	19	4.76
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	9	4.75
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	16	4.71
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	19	4.69
(1,146)	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	1:107:B:ARG:NE	2	4.69
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	1	4.68
(1,553)	1:113:B:VAL:C	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1	4.66
(1,296)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	1:11:A:ASN:N	20	4.64
(1,517)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	8	4.61
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	8	4.61
(1,562)	1:114:B:CYS:N	1:114:B:CYS:CA	1:114:B:CYS:C	1:115:B:TYR:N	5	4.55
(1,143)	1:107:B:ARG:CA	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	14	4.55
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	9	4.48
(1,198)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	1:4:A:VAL:N	15	4.42
(1,182)	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:CB	1:118:B:CYS:SG	9	4.39
(1,74)	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	12	4.39
(1,83)	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:CB	1:10:A:ARG:CG	20	4.37
(1,394)	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	1:19:A:TRP:N	17	4.36
(1,615)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	17	4.35
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	6	4.32
(1,254)	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	1:8:A:VAL:N	19	4.27
(1,131)	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:CB	1:105:B:CYS:SG	5	4.27
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	9	4.26
(1,62)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:CB	1:5:A:CYS:SG	7	4.21
(1,365)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	20	4.18
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	4	4.15
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	6	4.13
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	13	4.12
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	3	4.09
(1,358)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	11	4.06
(1,354)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	11	4.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,338)	1:14:A:CYS:N	1:14:A:CYS:CA	1:14:A:CYS:C	1:15:A:TYR:N	16	4.06
(1,483)	1:107:B:ARG:C	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	8	4.05
(1,358)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	15	4.05
(1,354)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	15	4.05
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	9	4.03
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	11	4.02
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	14	4.0
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	18	3.99
(1,237)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	19	3.99
(1,176)	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	1:117:B:ARG:CD	13	3.99
(1,152)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:CB	1:110:B:ARG:CG	20	3.99
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	12	3.96
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	17	3.96
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	2	3.95
(1,366)	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1:17:A:ARG:N	4	3.92
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	2	3.91
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	9	3.91
(1,422)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	1:104:B:VAL:N	15	3.89
(1,413)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	8	3.87
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	9	3.84
(1,590)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	4	3.81
(1,160)	1:110:B:ARG:CB	1:110:B:ARG:CG	1:110:B:ARG:CD	1:110:B:ARG:NE	19	3.79
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	5	3.77
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	13	3.73
(1,55)	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	1:3:A:ARG:CD	10	3.71
(1,520)	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	1:111:B:ASN:N	12	3.67
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	12	3.66
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	7	3.61
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	3	3.56
(1,167)	1:116:B:ARG:CA	1:116:B:ARG:CB	1:116:B:ARG:CG	1:116:B:ARG:CD	15	3.5
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	7	3.49
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	11	3.46
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	5	3.45
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	5	3.44
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	8	3.41
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	4	3.41
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	8	3.39
(1,231)	1:5:A:CYS:C	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	18	3.38
(1,391)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	17	3.37
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	11	3.37
(1,293)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	8	3.23
(1,107)	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	1:17:A:ARG:CD	4	3.23
(1,632)	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	1:120:B:GLY:N	2	3.22
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	5	3.22
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	8	3.2
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	2	3.17
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	17	3.16
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	19	3.16
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	15	3.14
(1,427)	1:103:B:ARG:C	1:104:B:VAL:N	1:104:B:VAL:CA	1:104:B:VAL:C	8	3.13
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	5	3.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	19	3.11
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	2	3.11
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	17	3.08
(1,441)	1:104:B:VAL:C	1:105:B:CYS:N	1:105:B:CYS:CA	1:105:B:CYS:C	2	3.07
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	14	3.06
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	3	3.06
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	4	3.05
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	6	3.01
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	15	3.01
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	16	3.01
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	8	3.0
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	3	2.96
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	19	2.95
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	14	2.95
(1,519)	1:109:B:CYS:C	1:110:B:ARG:N	1:110:B:ARG:CA	1:110:B:ARG:C	20	2.94
(1,50)	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	9	2.94
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	1	2.92
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	13	2.92
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	10	2.91
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	6	2.9
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	14	2.9
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	4	2.89
(1,408)	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	1:20:A:GLY:N	5	2.88
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	13	2.86
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	7	2.83
(1,595)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	2	2.83
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	12	2.82
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	9	2.79
(1,405)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	18	2.79
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	11	2.79
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	14	2.76
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	10	2.75
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	1	2.75
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	15	2.68
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	14	2.65
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	12	2.6
(1,295)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	20	2.6
(1,91)	1:10:A:ARG:CB	1:10:A:ARG:CG	1:10:A:ARG:CD	1:10:A:ARG:NE	1	2.59
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	11	2.56
(1,363)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	18	2.55
(1,103)	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	1:16:A:ARG:NE	16	2.55
(1,245)	1:6:A:ILE:C	1:7:A:ARG:N	1:7:A:ARG:CA	1:7:A:ARG:C	4	2.49
(1,119)	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:CB	1:103:B:ARG:CG	9	2.48
(1,582)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	11	2.47
(1,578)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	11	2.47
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	1	2.47
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	9	2.45
(1,371)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	2	2.45
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	7	2.45
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	14	2.41
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	20	2.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	18	2.37
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	15	2.34
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	14	2.34
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	4	2.32
(1,295)	1:9:A:CYS:C	1:10:A:ARG:N	1:10:A:ARG:CA	1:10:A:ARG:C	18	2.28
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	20	2.25
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	18	2.25
(1,357)	1:15:A:TYR:C	1:16:A:ARG:N	1:16:A:ARG:CA	1:16:A:ARG:C	11	2.23
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	14	2.23
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	12	2.17
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	14	2.15
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	16	2.14
(1,55)	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	1:3:A:ARG:CD	11	2.14
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	12	2.12
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	9	2.12
(1,351)	1:14:A:CYS:C	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	19	2.12
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	15	2.11
(1,455)	1:105:B:CYS:C	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	7	2.11
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	10	2.09
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	9	2.06
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	11	2.05
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	3	2.04
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	2	2.03
(1,379)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	15	2.03
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	12	2.01
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	10	2.0
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	2	2.0
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	16	1.99
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	7	1.99
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	14	1.99
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	4	1.98
(1,107)	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	1:17:A:ARG:CD	14	1.98
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	9	1.94
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	11	1.92
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	5	1.9
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	1	1.9
(1,655)	1:112:B:GLY:N	1:112:B:GLY:CA	1:112:B:GLY:C	1:113:B:VAL:N	11	1.88
(1,640)	1:12:A:GLY:N	1:12:A:GLY:CA	1:12:A:GLY:C	1:13:A:VAL:N	3	1.86
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	12	1.84
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	13	1.83
(1,629)	1:118:B:CYS:C	1:119:B:TRP:N	1:119:B:TRP:CA	1:119:B:TRP:C	18	1.82
(1,74)	1:7:A:ARG:CA	1:7:A:ARG:CB	1:7:A:ARG:CG	1:7:A:ARG:CD	15	1.82
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1	1.8
(1,419)	1:102:B:PRO:C	1:103:B:ARG:N	1:103:B:ARG:CA	1:103:B:ARG:C	5	1.8
(1,575)	1:114:B:CYS:C	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	12	1.77
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	5	1.77
(1,577)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	20	1.76
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	17	1.76
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	2	1.72
(1,380)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	1:18:A:CYS:N	18	1.72
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	17	1.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,55)	1:3:A:ARG:CA	1:3:A:ARG:CB	1:3:A:ARG:CG	1:3:A:ARG:CD	9	1.71
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	17	1.69
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	12	1.69
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	18	1.67
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	6	1.67
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	13	1.67
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	18	1.65
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	16	1.62
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	3	1.61
(1,385)	1:17:A:ARG:C	1:18:A:CYS:N	1:18:A:CYS:CA	1:18:A:CYS:C	2	1.61
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	19	1.58
(1,399)	1:18:A:CYS:C	1:19:A:TRP:N	1:19:A:TRP:CA	1:19:A:TRP:C	11	1.57
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	4	1.56
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	14	1.56
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	7	1.55
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	12	1.54
(1,56)	1:3:A:ARG:CB	1:3:A:ARG:CG	1:3:A:ARG:CD	1:3:A:ARG:NE	9	1.54
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	3	1.52
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	15	1.52
(1,125)	1:103:B:ARG:CB	1:103:B:ARG:CG	1:103:B:ARG:CD	1:103:B:ARG:NE	12	1.51
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	6	1.49
(1,195)	1:2:A:PRO:C	1:3:A:ARG:N	1:3:A:ARG:CA	1:3:A:ARG:C	5	1.48
(1,582)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	15	1.47
(1,578)	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	1:117:B:ARG:N	15	1.47
(1,117)	1:101:B:SER:N	1:101:B:SER:CA	1:101:B:SER:CB	1:101:B:SER:OG	9	1.47
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	5	1.45
(1,581)	1:115:B:TYR:C	1:116:B:ARG:N	1:116:B:ARG:CA	1:116:B:ARG:C	11	1.44
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	12	1.44
(1,492)	1:108:B:VAL:N	1:108:B:VAL:CA	1:108:B:VAL:C	1:109:B:CYS:N	1	1.43
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	2	1.42
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	5	1.42
(1,173)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:CB	1:117:B:ARG:CG	9	1.42
(1,352)	1:15:A:TYR:N	1:15:A:TYR:CA	1:15:A:TYR:C	1:16:A:ARG:N	1	1.41
(1,226)	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	1:6:A:ILE:N	16	1.39
(1,240)	1:6:A:ILE:N	1:6:A:ILE:CA	1:6:A:ILE:C	1:7:A:ARG:N	2	1.38
(1,47)	1:1:A:SER:N	1:1:A:SER:CA	1:1:A:SER:CB	1:1:A:SER:OG	18	1.38
(1,146)	1:107:B:ARG:CB	1:107:B:ARG:CG	1:107:B:ARG:CD	1:107:B:ARG:NE	20	1.37
(1,104)	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:CB	1:17:A:ARG:CG	5	1.34
(1,609)	1:117:B:ARG:C	1:118:B:CYS:N	1:118:B:CYS:CA	1:118:B:CYS:C	13	1.33
(1,601)	1:116:B:ARG:C	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	6	1.32
(1,464)	1:106:B:ILE:N	1:106:B:ILE:CA	1:106:B:ILE:C	1:107:B:ARG:N	2	1.32
(1,604)	1:117:B:ARG:N	1:117:B:ARG:CA	1:117:B:ARG:C	1:118:B:CYS:N	19	1.29
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	5	1.27
(1,268)	1:8:A:VAL:N	1:8:A:VAL:CA	1:8:A:VAL:C	1:9:A:CYS:N	19	1.26
(1,576)	1:115:B:TYR:N	1:115:B:TYR:CA	1:115:B:TYR:C	1:116:B:ARG:N	7	1.23
(1,98)	1:16:A:ARG:CA	1:16:A:ARG:CB	1:16:A:ARG:CG	1:16:A:ARG:CD	16	1.23
(1,503)	1:108:B:VAL:C	1:109:B:CYS:N	1:109:B:CYS:CA	1:109:B:CYS:C	20	1.21
(1,217)	1:4:A:VAL:C	1:5:A:CYS:N	1:5:A:CYS:CA	1:5:A:CYS:C	9	1.16
(1,469)	1:106:B:ILE:C	1:107:B:ARG:N	1:107:B:ARG:CA	1:107:B:ARG:C	13	1.13
(1,377)	1:16:A:ARG:C	1:17:A:ARG:N	1:17:A:ARG:CA	1:17:A:ARG:C	6	1.07
(1,279)	1:8:A:VAL:C	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	20	1.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,638)	1:9:A:CYS:N	1:9:A:CYS:CA	1:9:A:CYS:C	1:10:A:ARG:N	18	1.02